

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

February 2, 2012

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 (July, 2011 – December, 2011). The inspection was performed on December 12, 2011. The Third Quarter Inspection was not performed due to Tropical Storm Lee.

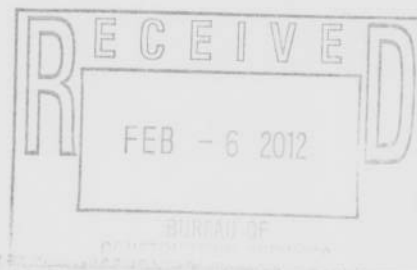
If you have any questions, please call me at 607-757-5352.

Sincerely,



Philip Grayson
Sewer Pretreatment Admin.

cc: Mr. Payson Long, DEC
Mr. Tim DiGiulio, P.E., DEC
Ms. Jean McCreary, EJ
Mr. Tom Morris, IBM
Mr. John Bernardo, Town of Union
Mayor Bertoni, Village of Endicott



POST CLOSURE INSPECTION FORM

Checklist

A. Capped Area

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

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

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:

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

Comments: *(Required for each Yes answer)*

There is evidence of cracks and subsidence
in the paved area located 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:

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

Comments (Required for each Yes answer)

D. Monitoring Wells

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

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?	<u>—</u>	<u>X</u>
2. Are any insert screens broken or missing?	<u>X</u>	<u>—</u>

Comments (Required for each Yes answer)

Riser #48 is tilted and will be fixed
when the weather permits.

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?	<u>X</u>	<u>—</u>
2. Are there any damaged, missing or obstructed warning signs?	<u>X</u>	<u>—</u>

Comments (Required for each Yes answer)

Philip Grayson

Inspector

Philip Grayson

Signature

12/12/11

Date

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

February 2, 2012

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 3rd and 4th quarters of 2011 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:

July, 2011.....	609,442 gal/day (424 gal/min)
August, 2011.....	597,887 gal/day (415 gal/min)
September, 2011.....	144,200 gal/day (100 gal/min)
October, 2011.....	740,742 gal/day (514 gal/min)
November, 2011.....	594,700 gal/day (413 gal/min)
December, 2011.....	617,710 gal/day (429 gal/min)

On September 7, 2011 the Supplemental Purge Well was shut down as a result of Tropical Storm Lee. There was catastrophic flooding at the facility where the pump is located and operated. The pump began operating approximately 2 weeks later.

Within this report are summaries of daily SPW flows, a listing of detectable VOC's for the SPW and final effluent and water level readings for the 3rd and 4th quarters of 2011.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Philip Grayson".

Philip Grayson
Sewer Pretreatment Admin.

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

Supplemental Purge Well Readings 2011

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Prev.	891659	911201	928737	948782	967971	987889	6420		44099		71388	89229
1	892281	911733	929452	949403		988499	7056	26013	44653		71894	89842
2		912421	930007	949980	969423	989150	7644	26593	45343		72544	90500
3	893617	913038	930642	951327	970093	988874		27192	45877		73163	91158
4	894191	913625	931260	951970	970705	990269	8892	27812			74336	92442
5	894817	914233	931796	951970	971370		9516	28394	47117			92954
6	895450			952617	971936	991638	10188	28922	47809			93602
7	896072	915560	933208	953280	972566	992248	10780		48425			94214
8	896644	916189	933847	953910		992865	11402	30217				94884
9		916845	934487	954462	973968	993489	11920	30806				
10	897985	917450	935143		974602	994111		31412				
11	898615	918072	935768	955954	975241	994617	13252	32008				
12	899249			956502	975883		13988	32610				
13	899891			957124	976461	995990	14485	33126				
14	900519	919948	937762	957814	977056	996606				60739	79946	97967
15	901065	920556	938457			997204	15697	34432			80541	98537
16		921186	939105	956962	978415	997843		35032			81093	
17	902383	921805	939727		979034	998468		35631			81718	99709
18	903010	922407	940390	960374	979665	999033	17522	36243			82409	
19	903656	922985	940974	960999	980371		18133	36864			82976	101030
20	904283			961598	981023	301	18740	37333				101645
21	904903	924335	942388	962218	981471	906	19345				64537	102269
22	905438	924958	943036	962795		1512	19929	38667			65180	102872
23		925566	943700	963440	982841	2124	20459	39237			84258	103454
24	906795	926230	944319		983468	2681		39841			84947	104022
25	907412			964798	984089	3267		40440			66949	
26	908042	927378		965441	984752		21781	41117			67653	105420
27	908686			966175	985433	4616	22372	41745			68185	105918
28	909311	928737	946885	966855	986104	5173						107178
29	909855		947505	967567		5880	24141	42789			69975	107758
30			948143	967971	987131	6420	24710	43514				
31	911201		948782		987889			44099			71388	108378

Supplemental Purge Well Daily Flow Readings: 2011 Gal./Day

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	622,000	532,000	715,000	621,000	726,000	610,000	636,000	651,500	554,000	879,571	506,000	613,000
2	668,000	688,000	555,000	577,000	726,000	651,000	588,000	580,000	690,000	879,571	650,000	658,000
3	668,000	617,000	635,000	673,500	670,000	724,000	624,000	599,000	534,000	879,571	619,000	658,000
4	574,000	587,000	618,000	673,500	612,000	395,000	624,000	620,000	620,000	879,571	586,500	642,000
5	626,000	608,000	536,000	643,000	665,000	684,500	624,000	582,000	620,000	879,571	586,500	642,000
6	633,000	663,500	706,000	647,000	566,000	684,500	672,000	528,000	692,000	879,571	658,500	512,000
7	622,000	663,500	706,000	663,000	630,000	610,000	592,000	647,500	616,000	879,571	658,500	648,000
8	572,000	629,000	639,000	630,000	701,000	617,000	622,000	647,500	0	879,571	1,073,000	612,000
9	670,500	656,000	640,000	552,000	701,000	624,000	518,000	589,000	0	879,571	620,000	670,000
10	670,500	605,000	656,000	746,000	634,000	622,000	666,000	606,000	0	879,571	131,000	588,500
11	630,000	622,000	625,000	746,000	639,000	506,000	666,000	596,000	0	879,571	645,000	588,500
12	634,000	625,333	664,667	548,000	642,000	686,500	636,000	602,000	0	879,571	552,000	604,000
13	642,000	625,333	664,667	622,000	578,000	686,500	597,000	516,000	0	879,571	636,000	618,000
14	628,000	625,333	664,667	690,000	595,000	616,000	606,000	653,000	0	879,571	636,000	684,000
15	546,000	608,000	695,000	574,000	679,500	598,000	606,000	653,000	0	633,000	595,000	570,000
16	659,000	630,000	648,000	574,000	679,500	639,000	608,333	600,000	0	633,000	552,000	586,000
17	659,000	619,000	622,000	706,000	619,000	625,000	608,333	599,000	0	633,000	625,000	586,000
18	627,000	602,000	663,000	706,000	631,000	565,000	608,333	612,000	0	633,000	691,000	660,500
19	646,000	578,000	584,000	625,000	706,000	634,000	611,000	621,000	0	633,000	567,000	660,500
20	627,000	675,000	707,000	599,000	652,000	634,000	607,000	469,000	0	633,000	374,500	615,000
21	620,000	675,000	707,000	620,000	448,000	605,000	605,000	667,000	0	643,000	374,500	624,000
22	535,000	623,000	648,000	577,000	685,000	606,000	584,000	667,000	0	589,667	533,000	603,000
23	678,500	608,000	664,000	645,000	685,000	612,000	530,000	570,000	0	589,667	689,000	582,000
24	678,500	664,000	619,000	679,000	627,000	557,000	661,000	604,000	0	589,667	564,000	568,000
25	617,000	574,000	641,500	679,000	621,000	586,000	661,000	599,000	0	704,000	602,000	699,000
26	630,000	574,000	641,500	643,000	663,000	674,500	591,000	677,000	0	532,000	588,000	699,000
27	644,000	679,500	641,500	734,000	681,000	674,500	589,667	628,000	0	596,667	648,500	498,000
28	625,000	679,500	641,500	680,000	671,000	557,000	589,667	522,000	0	596,667	648,500	1,260,000
29	544,000		620,000	712,000	513,500	707,000	589,667	522,000	0	596,667	669,000	580,000
30	673,000		638,000	404,000	849,000	540,000	569,000	522,000	0	706,500	562,000	310,000
31	673,000		639,000		758,000		651,500	585,000				310,000
Total	19,542,000	17,536,000	20,045,000	19,189,000	20,253,500	18,531,000	18,941,500	18,534,500	4,326,000	22,962,994	17,841,000	19,149,000
Ave	630,387	626,286	646,613	639,633	663,339	619,519	609,442	597,887	144,200	740,742	594,700	617,710
Gal/Hr.	26,266	26,095	26,942	26,651	27,222	25,813	25,459	24,912	6,008	30,864	24,779	25,738
Gal/Min	438	435	449	444	454	430	424	415	100	514	413	429

Supplemental Purge Well
Monthly Analysis: VOC's
2011 Detectable Quantities

Parameter	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Results in ug/L													
Vinyl Chloride	20				19			19				20	78
Chloromethane	<3.0				<5.0			<5.0				<3.0	0
Chloroethane	3.1				3.0			<5.0				<3.0	6.1
Methylene Chloride	<3.0				<5.0			<5.0				<3.0	0
Dichlorodifluoromethane	<3.0				<5.0			<5.0				<3.0	0
Trichloroethene	<3.0				<5.0			<5.0				<3.0	0
1,1-Dichloroethane	<3.0				3.0			<5.0				<3.0	3
1,1-Dichloroethene	<3.0				<5.0			<5.0				<3.0	0
cis-1,2-Dichloroethene	20				19			21				16	76
cis-1,3-Dichloropropene	<3.0				<5.0			<5.0				<3.0	0
Chlorobenzene	<3.0				3.0			<5.0				<3.0	3.0
Benzene	<3.0				<5.0			<5.0				<3.0	0
Toluene	<3.0				<5.0			<5.0				<3.0	0
Chloroform	15				<5.0			<5.0				<3.0	15
m-Xylene & p-Xylene	<3.0				<5.0			<5.0				<3.0	0
Total VOC's	58.1				47			40				36	181.1

Final Effluent
Monthly Analysis: VOC's
2011 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			<5.0				<2.0	0
Chloromethane	<3.0				<5.0			<5.0				<3.0	0
Chloroethane	<3.0				<5.0			<5.0				<3.0	0
Methylene Chloride	<3.0				<5.0			<5.0				<3.0	0
Dichlorodifluoromethane	<3.0				<5.0			<5.0				<3.0	0
Trichloroethene	<3.0				<5.0			<5.0				<3.0	0
1,1-Dichloroethane	<3.0				<5.0			<5.0				<3.0	0
1,1-Dichloroethene	<3.0				<5.0			<5.0				<3.0	0
cis-1,2-Dichloroethene	<3.0				<5.0			<5.0				<3.0	0
cis-1,3-Dichloropropene	<3.0				<5.0			<5.0				<3.0	0
Chlorobenzene	<3.0				<5.0			<5.0				<3.0	0
Benzene	<3.0				<5.0			<5.0				<3.0	0
Toluene	<3.0				<5.0			<5.0				4.4	4.4
Chloroform	4.7				<5.0			<5.0				<3.0	4.7
Bromodichloromethane	3.5				<5.0			<5.0				<3.0	3.5
m-Xylene & p-Xylene	<3.0				<5.0			<5.0				<3.0	0
Total VOC's	8.2				0			0				4.4	12.6

GROUNDWATER DEPTHS
VILLAGE OF ENDICOTT
ANNUAL SUMMARIES: 2011

Well No.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
B-4												
B-21												
EW-3D	19.7	17.6	12.6		19.5		20.1	18.90			22.10	
EW-8	23.9	22.1	17.6		12.6		24.9	25.80				
EW-9	13.7	12.2	8.9		12.6		17.6	17.10				
EW-11												
EW-12	25.2	23.1	19.1		20.1		25.7	32.10			28.80	
EW-14	23.9	21.2	15.6		17.3		22.9	22.70				
MW-3	21.7	19.8	16.7		18.1		23.6	33.10			30.20	
MW-6D	26.1	23.6	19.2		20.5		26.9	26.60			23.40	
MW-8D												
MW-9D	22.7	19.6	15.3		17.2		22.7	22.50			29.70	
MW-7S	21.1	19.8	16.1		17.4		22.5	22.70			20.50	
MW-7D	21.7	19.6	16.3		17.2		22.7	20.90			20.20	
MW-11	30.2	26.6	23.2		24.2		29.1	29.80			24.40	
MW-12	29.1	27.7	22.9		23.7		27.9	27.10			27.60	
MW-13D	28.7	26.6	22.1		23.2		28.4	28.30				
MW-21	30.0	28.2	26.7		27.6		33.1	32.70			27.90	
MW-22D	31.7	29.5	24.2		26.1		32.4	30.80			29.10	
MW-25D	19.2	17.4	12.1		14.1		20.6	20.70			17.20	
MW-29	18.7	16.5	13.2		14.9		20.1	15.30				
MW-30	25.1	23.3	18.8		19.2		24.6	26.40			23.10	
MW-31	23.3	21.1	18.7		20.3		25.4	25.00			23.20	
MW-32	13.2	12.2	8.1		17.5		22.7	11.80			8.30	
MW-33	19.6	17.6	14.8		16.5		22.1	15.60			19.20	
MW-34	22.1	19.9	16.1		18.3		23.6	20.10			18.80	
MW-35	22.6	20.1	15.6		17.6		24.1	22.70			19.40	
SPW	26.3	24.3	18.9		19.6		25.0	23.10			23.10	

GROUNDWATER ELEVATIONS
VILLAGE OF ENDICOTT
ANNUAL SUMMARIES: 2011

Well No.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
B-4												
B-21												
EW-3D	798.63	800.73	805.73		798.83		798.23	799.43				
EW-8	799.44	801.24	805.74		810.74		798.44	797.54			801.24	
EW-9	804.90	806.41	809.71		806.01		801.01	801.51				
EW-11												
EW-12	805.13	807.23	811.23		810.23		804.63	798.23			801.53	
EW-14	799.14	801.84	807.44		805.74		800.14	800.34				
MW-3	808.82	810.72	813.82		812.42		806.92	797.42			800.32	
MW-6D	800.45	802.95	807.35		806.05		799.65	799.95			803.15	
MW-8D												
MW-9D	809.37	812.47	816.77		814.87		809.37	809.57			802.37	
MW-7S	802.11	803.41	807.11		805.81		800.71	800.51			802.71	
MW-7D	801.58	803.68	806.98		806.08		800.58	802.38			803.08	
MW-11	797.41	801.01	804.41		803.41		798.51	797.81			803.21	
MW-12	800.64	802.04	806.84		806.04		801.84	802.64			802.14	
MW-13D	785.59	787.69	792.19		791.09		785.89	785.99				
MW-21	804.56	806.36	807.86		806.96		801.46	801.86			806.66	
MW-22D	800.13	802.33	807.63		805.73		799.43	801.03			802.73	
MW-25D	802.32	804.12	809.42		807.42		800.92	800.82			804.32	
MW-29	797.81	800.01	803.31		801.61		796.41	801.21				
MW-30	798.37	800.17	804.67		804.27		798.87	797.07			800.37	
MW-31	799.70	801.90	804.30		802.70		797.60	798.00			799.80	
MW-32	796.65	797.65	801.75		792.35		787.15	798.05			801.55	
MW-33	799.77	801.77	804.57		802.87		797.27	803.77			800.17	
MW-34	793.27	795.47	799.27		797.07		791.77	795.27			796.57	
MW-35	797.74	800.24	804.74		802.74		796.24	797.64			800.94	
SPW	796.07	798.07	803.47		802.77		797.37	799.27			799.27	

GROUNDWATER ELEVATIONS
VILLAGE OF ENDICOTT

SAMPLED BY: V. Briga

DATE: 7/25/2011

Well No.	Time	(TOR) Elevation	Water Depth	Water Elevation	Comments
B-4					
B-21					
EW-3D		818.33	20.1	798.23	
EW-8		823.34	24.9	798.44	
EW-9		818.61	17.6	801.01	
EW-11					
EW-12		830.33	25.7	804.63	
EW-14		823.04	22.9	800.14	
MW-3		830.52	23.6	806.92	
MW-6D		826.55	26.9	799.65	
MW-8D					
MW-9D		832.07	22.7	809.37	
MW-7S		823.21	22.5	800.71	
MW-7D		823.28	22.7	800.58	
MW-11		827.61	29.1	798.51	
MW-12		829.74	27.9	801.84	
MW-13D		814.29	28.4	785.89	
MW-21		834.56	33.1	801.46	
MW-22D		831.83	32.4	799.43	
MW-25D		821.52	20.6	800.92	
MW-29		816.51	20.1	796.41	
MW-30		823.47	24.6	798.87	
MW-31		823.00	25.4	797.60	
MW-32		809.85	22.7	787.15	
MW-33		819.37	22.1	797.27	
MW-34		815.37	23.6	791.77	
MW-35		820.34	24.1	796.24	
SPW		822.37	25.0	797.37	

GROUNDWATER ELEVATIONS
VILLAGE OF ENDICOTT

SAMPLED BY: V. Briga

DATE: 8/16/2011

Well No.	Time	(TOR) Elevation	Water Depth	Water Elevation	Comments
B-4					
B-21					
EW-3D		818.33	18.90	799.43	
EW-8		823.34	25.80	797.54	
EW-9		818.61	17.10	801.51	
EW-11					
EW-12		830.33	32.10	798.23	
EW-14		823.04	22.70	800.34	
MW-3		830.52	33.10	797.42	
MW-6D		826.55	26.60	799.95	
MW-8D					
MW-9D		832.07	22.50	809.57	
MW-7S		823.21	22.70	800.51	
MW-7D		823.28	20.90	802.38	
MW-11		827.61	29.80	797.81	
MW-12		829.74	27.10	802.64	
MW-13D		814.29	28.30	785.99	
MW-21		834.56	32.70	801.86	
MW-22D		831.83	30.80	801.03	
MW-25D		821.52	20.70	800.82	
MW-29		816.51	15.30	801.21	
MW-30		823.47	26.40	797.07	
MW-31		823.00	25.00	798.00	
MW-32		809.85	11.80	798.05	
MW-33		819.37	15.60	803.77	
MW-34		815.37	20.10	795.27	
MW-35		820.34	22.70	797.64	
SPW		822.37	23.10	799.27	

GROUNDWATER ELEVATIONS
VILLAGE OF ENDICOTT

SAMPLED BY: V. Briga

DATE: 11/21/2011

Well No.	Time	(TOR) Elevation	Water Depth	Water Elevation	Comments
B-4					
B-21					
EW-3D		818.33		818.33	
EW-8		823.34	22.1	801.24	
EW-9		818.61		818.61	
EW-11					
EW-12		830.33	28.8	801.53	
EW-14		823.04		823.04	
MW-3		830.52	30.2	800.32	
MW-6D		826.55	23.4	803.15	
MW-8D					
MW-9D		832.07	29.7	802.37	
MW-7S		823.21	20.5	802.71	
MW-7D		823.28	20.2	803.08	
MW-11		827.61	24.4	803.21	
MW-12		829.74	27.6	802.14	
MW-13D		814.29		814.29	
MW-21		834.56	27.9	806.66	
MW-22D		831.83	29.1	802.73	
MW-25D		821.52	17.2	804.32	
MW-29		816.51		816.51	
MW-30		823.47	23.1	800.37	
MW-31		823.00	23.2	799.80	
MW-32		809.85	8.3	801.55	
MW-33		819.37	19.2	800.17	
MW-34		815.37	18.8	796.57	
MW-35		820.34	19.4	800.94	
SPW		822.37	23.1	799.27	