

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

May 11, 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:

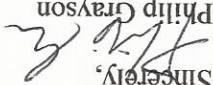
Pursuant to EPA's approval of the Village of Endicott's proposal for a reduction in the frequency of monitoring and analysis for the Supplemental Purge Well, I am submitting a report for the 4th quarter of 2016 for the supplemental purge well as well as for the final effluent.

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

January, 2016.....	528,215 gal/day (367 gal/min)
February, 2016.....	543,609 gal/day (378 gal/min)
March, 2016.....	569,161 gal/day (395 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
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										
Chloromethane			<1.0										
Chloroethane			<1.0										
Methylene Chloride			<1.0										
Dichlorodifluoromethane			<1.0										
Trichloroethylene			<1.0										
1,1-Dichloroethane			1.9										
1,1-Dichloroethylene			<1.0										
cis-1,2-Dichloroethylene			16.2										
cis-1,3-Dichloropropene			<1.0										
Chlorobenzene			2.19										
Benzene			<1.0										
Toluene			<1.0										
Chloroform			1.56										
m-Xylene & p-Xylene			<2.0										
Total VOC's			39.99			0.0			0.0		0.0		40

Final Effluent
Monthly Analysis: VOC's
2016 Detectable Quantities

[illegible]



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CERTIFICATE OF ANALYSIS

S6C0482

Project Name: Sample Analysis

Village of Endicott WWTP

Project / PO Number: N/A
Received: 03/09/2016 15:25
Reported: 03/15/2016 14:21

Philip Grayson
1009 East Main Street
Endicott, NY 13760

Analytical Testing Parameters

Client Sample ID: SPW 030916G
Lab Sample ID: S6C0482-01
Sample Type: Grab

Collected By: DK-Client
Collection Date: 03/09/16
Collection Time: 07:49

Volatile Organic Compounds - GC/MS

Result MDL PQL Units Note Prepared Analyzed Lab

Method: EPA 624

Benzene	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Bromodichloromethane	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Bromoform	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Carbon tetrachloride	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Chlorobenzene	2.19	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Chloroethane (Ethyl chloride)	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Chloroform	1.56	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Dibromochloromethane	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
1,3-Dichlorobenzene	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
1,4-Dichlorobenzene	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
1,2-Dichlorobenzene	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Dichlorodifluoromethane (Freon-12)	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
1,2-Dichloroethane	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
1,1-Dichloroethane	1.94	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
cis-1,2-Dichloroethene	16.2	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
1,1-Dichloroethene	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
trans-1,2-Dichloroethene	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
1,2-Dichloropropane	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
trans-1,3-Dichloropropene	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
cis-1,3-Dichloropropene	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Ethylbenzene	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Methyl bromide (Bromomethane)	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Methyl tert-butyl ether (MTBE)	<2.00	2.00	ug/L	Y	03/11/16 2137	SAY
Methyl chloride (Chloromethane)	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Methylene chloride (Dichloromethane)	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
1,1,2,2-Tetrachloroethane	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
1,1,2-Trichloroethane	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
1,1,1-Trichloroethane	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Trichloroethene	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Trichlorofluoromethane (Freon 11)	<1.00	1.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Vinyl chloride	18.1	1.00	ug/L	Y	03/11/16 2137	SAY
o-Xylene	<1.00	1.00	ug/L	Y	03/11/16 2137	SAY
m,p-Xylene	<2.00	2.00	ug/L	Y	03/11/16 2137	SAY
Xylenes (total)	<3.00	3.00	ug/L	03/11/16 2137	03/11/16 2137	SAY
Surrogate: 4-Bromofluorobenzene	104		% Rec	03/11/16 2137	03/11/16 2137	SAY
Surrogate: 1,2-Dichloroethane-d4	119		% Rec	03/11/16 2137	03/11/16 2137	SAY

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CERTIFICATE OF ANALYSIS

S6C0482

Analytical Testing Parameters

Client Sample ID: SPW 030916G
Lab Sample ID: S6C0482-01
Sample Type: Grab

Collected By:	DK-Client
Collection Date:	03/09/16
Collection Time:	07:49

Volatile Organic Compounds - GC/MS

Surrogate: Toluene-d8

Result	MDL	PQL	Units	Note	Prepared	Analyzed	Lab
106					03/11/16 2137	03/11/16 2137	SAY
Limit: 74-134 % Rec							

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CERTIFICATE OF ANALYSIS

S6C0482

Analytical Testing Parameters

Client Sample ID: EFF 030916G Lab Sample ID: S6C0482-02 Sample Type: Grab
Collected By: DK-Client Collection Date: 03/09/16 Collection Time: 08:11

Volatile Organic Compounds - GC/MS Result MDL PQL Units Note Prepared Analyzed Lab

Method: EPA 624

Benzenes	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Bromodichloromethane	3.57	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Bromoform	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Carbon tetrachloride	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Chlorobenzene	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Chloroethane (Ethyl chloride)	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Chloroform	4.32	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Dibromochloromethane	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
1,3-Dichlorobenzene	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
1,4-Dichlorobenzene	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
1,2-Dichlorobenzene	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Dichlorodifluoromethane (Freon-12)	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
1,2-Dichloroethane	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
1,1-Dichloroethane	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
trans-1,2-Dichloroethene	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
1,2-Dichloropropane	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
trans-1,3-Dichloropropene	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
cis-1,3-Dichloropropene	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Ethylbenzene	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Methyl bromide (Bromomethane)	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Methyl tert-butyl ether (MTBE)	<2.00	2.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Methyl chloride (Chloromethane)	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
1,1,2,2-Tetrachloroethane	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Tetrachloroethene	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Toluene	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
1,1,2-Trichloroethane	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
1,1,1-Trichloroethane	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Trichloroethene	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Trichlorofluoromethane (Freon 11)	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Vinyl chloride	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
o-Xylene	<1.00	1.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
m,p-Xylene	<2.00	2.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Xylenes (total)	<3.00	3.00	ug/L	03/11/16 2205	03/11/16 2205	SAY
Surrogate: 4-Bromofluorobenzene	105	Limit: 68-124	% Rec	03/11/16 2205	03/11/16 2205	SAY
Surrogate: 1,2-Dichloroethane-d4	118	Limit: 71-151	% Rec	03/11/16 2205	03/11/16 2205	SAY
Surrogate: Toluene-d8	105	Limit: 74-134	% Rec	03/11/16 2205	03/11/16 2205	SAY

Laboratory
SAY:

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CERTIFICATE OF ANALYSIS

S6C0482

Definitions

PQL:

Practical Quantitation Limit

Y:

This analyte is not on the laboratory's current scope of accreditation.

Cooler Receipt Log

Cooler ID: Default Cooler

Temp: 5.3°C

Cooler Inspection Checklist

Custody Seals Intact and/or No Evidence of Tampering	Yes	Containers Intact	Yes
GOC/Labels Agree	Yes	Preservation Correct (or not required)	Yes
Received on Ice (or not required)	Yes		Yes

Project Requested Certification(s)

Microbac Laboratories, Inc., Sayre Division

NY Lab ID No.: 11216

New York State Department of Health

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

Charlene McSparron

Reviewed and Approved By:

Charlene McSparron For Theresa Fenstermaker

Project Manager

03/15/2016 14:21

Go Green: Contact Theresa Fenstermaker to set up email reporting and invoicing options.

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. For any feedback concerning our services, please contact Theresa Fenstermaker, Project Manager at Theresa.Fenstermaker@microbac.com. You may also contact Michael Fifield, Managing Director at michael.fifield@microbac.com or Robert Crookston, President at robert.crookston@microbac.com.

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[illegible][illegible]

[illegible][illegible]

GROUNDWATER ELEVATIONS VILLAGE OF ENDICOTT

SAMPLED BY: P. Grayson

DATE: 1/20/2016

Well No. Time (TOR) Elevation Water Depth Water Elevation Comments

B-4					
B-21					
EW-3D		818.33	21.1	797.23	
EW-8		823.34	22.6	800.74	
EW-9		818.61	18.4	800.21	MOUSE
EW-11					
EW-12		830.33		830.33	BENT PIPE
EW-14		823.04	21.2	801.84	
MW-3		830.52	30.4	800.12	
MW-6D		826.55	23.8	802.75	
MW-8D					
MW-9D		832.07		832.07	BENT PIPE
MW-7S		823.21	20.2	803.01	
MW-7D		823.28	17.3	805.98	
MW-11		827.61		827.61	BENT PIPE
MW-12		829.74	25.9	803.84	
MW-13D		814.29	11.8	802.49	
MW-21		834.56	31.4	803.16	
MW-22D		831.83	29.5	802.33	
MW-25D		821.52	17.5	804.02	
MW-29		816.51	13.6	802.91	
MW-30		823.47	23.5	799.97	
MW-31		823.00	23.2	799.80	
MW-32		809.85	8.8	801.05	
MW-33		819.37	19.1	800.27	
MW-34		815.37	15.4	799.97	
MW-35		820.34	20.2	800.14	
SPW		822.37	23.5	798.87	

GROUNDWATER ELEVATIONS
VILLAGE OF ENDICOTT

SAMPLED BY: P. Grayson

DATE: 2/29/2016

Well No. Time (TOR) Elevation Water Depth Water Elevation Comments

B-4					
B-21					
EW-3D		818.33	N/A	#VALUE!	
EW-8		823.34	18.6	804.74	
EW-9		818.61	14.3	804.31	
EW-11					
EW-12		830.33	N/A	#VALUE!	BENT PIPE
EW-14		823.04	N/A	#VALUE!	
MW-3		830.52	26.4	804.12	
MW-6D		826.55	19.9	806.65	
MW-8D					
MW-9D		832.07	N/A	#VALUE!	BENT PIPE
MW-7S		823.21	15.8	807.41	
MW-7D		823.28	13.8	809.48	
MW-11		827.61	N/A	#VALUE!	BENT PIPE
MW-12		829.74	N/A	#VALUE!	FLOODED
MW-13D		814.29	7.4	806.89	
MW-21		834.56	27.5	807.06	
MW-22D		831.83	25.6	806.23	
MW-25D		821.52	13.3	808.22	
MW-29		816.51	9.0	807.51	
MW-30		823.47	19.5	803.97	
MW-31		823.00	19.4	803.60	
MW-32		809.85	4.9	804.95	
MW-33		819.37	15.2	804.17	
MW-34		815.37	11.4	803.97	
MW-35		820.34	16.2	804.14	
SPW		822.37	19.7	802.67	