APPENDIX C

WELL DEVELOPMENT LOGS

2025 NYSDEC
SITE CHARACTERIZATION
FEDDERS AUTO COMPONENTS SITE

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Project Name: Fedder's Auto
Location: 57 Tonawanda Street, Buffalo, NY
Project No.: 2234026.185
Sampled By: N/A
Date: 12/10/2025
Weather: Snowy

WELL I.D.: MW-1D *Development Log

WELL SAMPLING INFORMATION					
Well Diameter:	2.0"	Static Water Level:	6.42	Sample Name:	N/A
Depth of Well:	32.78	Length of Well Screen:		Sample Analysis:	N/A
Measuring Point:	Top of inner casing	Depth to Top of Pump:		Purge Start & End time:	
Pump Type:	Waterra	Tubing Type:		Sample Time:	N/A

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/l)	Redox (mV)	Comments
Initial	X	7.39	11.1	3.05	52.4	10.85	51.9	
920	2.5	7.13	12	3.144	269.3	9.65	63.1	
926	3.5	7.13	11.6	3.185	280.05	9.53	56.6	
932	4.5	7.08	11.8	3.214	358.45	9.14	50.5	
945	7.5	7.19	10.8	3.159	372.01	9.5	43	

Total 7.5 Gallons

OBSERVATIONS

Well Volume = 4.29 gallons

Dry at ~2 WV

Slgihtly Turbid

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Project Name: Fedder's Auto
Location: 57 Tonawanda Street, Buffalo, NY
Project No.: 2234026.185
Sampled By: N/A
Date: 12/10/2025
Weather: Snowy

WELL I.D.: MW-2D *Development Log

WELL SAMPLING INFORMATION					
Well Diameter:	2.0"	Static Water Level:	7.19	Sample Name:	N/A
Depth of Well:	27.19	Length of Well Screen:		Sample Analysis:	N/A
Measuring Point:	Top of inner casing	Depth to Top of Pump:		Purge Start & End time:	
Pump Type:	Perri Pump	Tubing Type:	1/4" ODO	Sample Time:	N/A

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/l)	Redox (mV)	Comments
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*Due to presence of coal tar in the water, no readings

Total 1 Gallons

OBSERVATIONS

Well Volume = 3.26 gallons

Perri-pump to not agitate coal tar in the well

* Pumped only 1 gallon before coal tar clogged the tubing, likely tubing too close to coal tar-water interface

* No readings due to coal tar presence, did not want to ruin rental equipment

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Project Name: Fedder's Auto
Location: 57 Tonawanda Street, Buffalo, NY
Project No.: 2234026.185
Sampled By: N/A
Date: 12/5/2025
Weather: Snowy

WELL I.D.: MW-3D *Development Log

WELL SAMPLING INFORMATION					
Well Diameter:	2.0"	Static Water Level:	13.45	Sample Name:	N/A
Depth of Well:	31.87	Length of Well Screen:		Sample Analysis:	N/A
Measuring Point:	Top of inner casing	Depth to Top of Pump:		Purge Start & End time:	
Pump Type:	Waterra	Tubing Type:		Sample Time:	N/A

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/l)	Redox (mV)	Comments
Initial	X	7.4	10	4.711	3.45	11.09	31.4	
1318	3	7.44	11.7	4.346	340.17	10.67	-57.5	
1327	7	7.54	11.2	4.631	635.61	10.79	-60.1	

Total 7 Gallons

OBSERVATIONS

Well Volume = 3 gallons
Dry at 2 WV
turbid and silty
H2O Level 12/9: 24.85, slow recharge

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Project Name: Fedder's Auto
Location: 57 Tonawanda Street, Buffalo, NY
Project No.: 2234026.185
Sampled By: N/A
Date: 12/5/2025
Weather: Snowy

WELL I.D.: MW-6D *Development Log

WELL SAMPLING INFORMATION					
Well Diameter:	2.0"	Static Water Level:	6.91	Sample Name:	N/A
Depth of Well:	30.0	Length of Well Screen:		Sample Analysis:	N/A
Measuring Point:	Top of inner casing	Depth to Top of Pump:		Purge Start & End time:	
Pump Type:	Bailer/Perri Pump	Tubing Type:		Sample Time:	N/A

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/l)	Redox (mV)	Comments
Initial	X	7.37	13	2.922	147.82	9.68	72.7	
1130	8	7.63	11.1	4.987	794.91	11.8	239	Bailer
1140	10	7.59	10.8	5.396	3500	11.73	211.5	Pump
1155	12	7.98	10.9	3.165	462.98	10.8	165.4	Bailer
1210	15	7.91	10.8	3.038	579.17	10.78	189.6	Bailer

Total 15 Gallons

OBSERVATIONS

Well Volume: 3.05 g
Well went dry at 5 WV
Water very silty and turbid, supposed cracked well screen
H2O level 12/9 - 4.56', great recharge

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Project Name: Fedder's Auto
Location: 57 Tonawanda Street, Buffalo, NY
Project No.: 2234026.185
Sampled By: N/A
Date: 12/9/2025
Weather: Snowy

WELL I.D.: MW-6D *Development Log

WELL SAMPLING INFORMATION					
Well Diameter:	2.0"	Static Water Level:	4.56	Sample Name:	N/A
Depth of Well:	30	Length of Well Screen:		Sample Analysis:	N/A
Measuring Point:	Top of inner casing	Depth to Top of Pump:		Purge Start & End time:	
Pump Type:	Waterra	Tubing Type:		Sample Time:	N/A

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/l)	Redox (mV)	Comments
Initial	X	7.52	9.6	6.05	1434.2	11.75	70.5	turbid, silty and sandy
957	2.5	7.43	10.6	6.419	2500.3	11.21	72.8	turbid, silty and sandy
1002	4.5	7.43	9	5.84	3500	11.24	71.1	turbid, silty and sandy
1006	5.5	7.51	9.9	5.897	4500	11.1	59.8	turbid, silty and sandy
1011	7	7.41	10.9	6.016	3176.2	10.61	59.5	turbid, silty and sandy
1016	8	7.42	11.1	6.211	2501.69	10.24	62	turbid, silty and sandy
1021	9	7.52	10	6.758	2151.7	10.6	64.9	turbid, silty and sandy
1027	10	7.56	8.6	6.704	2697.87	11.07	60.4	turbid, silty and sandy

Total 10 Gallons

OBSERVATIONS

Well Volume = 4.14 gallons

Purged 2.5 volumes, didn't go dry

very muddy, silty and turbid still

*little sand in the buckets from the water, maybe broken well screen

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Project Name: Fedder's Auto
Location: 57 Tonawanda Street, Buffalo, NY
Project No.: 2234026.185
Sampled By: N/A
Date: 12/10/2025
Weather: Snowy

WELL I.D.: MW-6D *Development Log

WELL SAMPLING INFORMATION					
Well Diameter:	2.0"	Static Water Level:	12.75	Sample Name:	N/A
Depth of Well:	32.54	Length of Well Screen:		Sample Analysis:	N/A
Measuring Point:	Top of inner casing	Depth to Top of Pump:		Purge Start & End time:	
Pump Type:	Bailer	Tubing Type:		Sample Time:	N/A

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/l)	Redox (mV)	Comments
Initial	X	7.45	12.9	6.809	4000	10.01	113.5	*Chocolate milk color and opaqueness
1315	3.2	7.27	11.6	7.425	4500	9.1	115.8	
1330	6.4	7.25	10.9	7.154	2500	9.82	109.8	*Slight decrease in turbidity
1345	8.2	7.5	10.7	6.215	913.2	9.87	109.9	

Total 8.2 Gallons

OBSERVATIONS

Well Volume = 3.2 gallons

Dry at 2.5 WV

still very turbid with silt and sand in the bailer and bucket

*Third round of development, with significant silt and tubidity in well

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Project Name: Fedder's Auto
Location: 57 Tonawanda Street, Buffalo, NY
Project No.: 2234026.185
Sampled By: N/A
Date: 12/9/2025
Weather: Snowy

WELL I.D.: MW-7D *Development Log

WELL SAMPLING INFORMATION					
Well Diameter:	2.0"	Static Water Level:	3.72	Sample Name:	N/A
Depth of Well:	31.85	Length of Well Screen:		Sample Analysis:	N/A
Measuring Point:	Top of inner casing	Depth to Top of Pump:		Purge Start & End time:	
Pump Type:	Bailer/Perri Pump	Tubing Type:		Sample Time:	N/A

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/l)	Redox (mV)	Comments
Initial	X	7.63	10.5	5.984	154.21	8.4	-32.9	clear
1255	4.5	7.71	10.3	5.992	150.73	9.45	-34.1	slightly turbid
1325	9	7.7	10.3	5.942	136.34	8.75	-31	
1345	13.5	7.56	10.4	6.086	55.14	6.8	-32.7	
1415	18	7.62	10.4	6.072	38.62	6.6	-31.2	slightly turbid

Total 18 Gallons

OBSERVATIONS

Well Volume = 4.5 gallons
Purged 4 volumes, didn't go dry
slightly turbid, but started to clear up

*Bailer and perri-pump combo

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Project Name: Fedder's Auto
Location: 57 Tonawanda Street, Buffalo, NY
Project No.: 2234026.185
Sampled By: N/A
Date: 12/9/2025
Weather: Snowy

WELL I.D.: MW-8D *Development Log

WELL SAMPLING INFORMATION					
Well Diameter:	2.0"	Static Water Level:	6.87	Sample Name:	N/A
Depth of Well:	26.85	Length of Well Screen:		Sample Analysis:	N/A
Measuring Point:	Top of inner casing	Depth to Top of Pump:		Purge Start & End time:	
Pump Type:	Waterra/Bailer	Tubing Type:		Sample Time:	N/A

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/l)	Redox (mV)	Comments
Initial	X	7.1	7.2	2.413	558.9	10.97	57.8	
1315	4	7.04	12.2	2.413	1163.8	10.6	-21	Waterra
1330	9	7.14	11.8	2.901	2277.8	10.75	-65.1	Bailer
1345	16	7.09	12.2	3.108	2120.3	10.34	-82.2	Bailer
1400	20	7.12	12.1	3.079	2002.3	10.14	-75.6	Bailer

Total 20 Gallons

OBSERVATIONS

Well Volume = 4 gallons *Switched to bailer because silt clogged waterra footer
Purged 5 volumes, didn't go dry
turbid and silty, cleared up
H2O Level at 12.97 after purge, didn't really go dry at all

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Project Name: Fedder's Auto
Location: 57 Tonawanda Street, Buffalo, NY
Project No.: 2234026.185
Sampled By: N/A
Date: 12/10/2025
Weather: Snowy

WELL I.D.: MW-9D *Development Log

WELL SAMPLING INFORMATION					
Well Diameter:	2.0"	Static Water Level:	7.15	Sample Name:	N/A
Depth of Well:	27.01	Length of Well Screen:		Sample Analysis:	N/A
Measuring Point:	Top of inner casing	Depth to Top of Pump:		Purge Start & End time:	
Pump Type:	Perr-pump	Tubing Type:	1/4" ODO	Sample Time:	N/A

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/l)	Redox (mV)	Comments
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	* Due to presence of coal tar, no readings

Total 1 Gallons

OBSERVATIONS

Well Volume = 3.23 gallons

Perri-pump to not agitate coal tar in the well

* Pumped only 1 gallon before coal tar clogged the tubing, likely tubing too close to coal tar-water interface

* No readings due to coal tar presence, did not want to ruin rental equipment