PFAS Nomenclature
GSU Monitoring Well Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

Chemical Name	Abbreviation	Cas Number
Perfluorobutanoic acid	PFBA	375-22-4
Perfluoropentanoic acid	PFPeA	2706-90-3
Perfluorohexanoic acid	PFHxA	307-24-4
Perfluoroheptanoic acid	PFHpA	375-85-9
Perfluorooctanoic acid	PFOA	335-67-1
Perfluorononanoic acid	PFNA	375-95-1
Perfluorodecanoic acid	PFDA	335-76-2
Perfluoroundecanoic acid	PFUnA	2058-94-8
Perfluorododecanoic acid	PFDoA	307-55-1
Perfluorotridecanoic acid	PFTrDA	72629-94-8
Perfluorotetradecanoic acid	PFTeDA	376-06-7
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid	9Cl-PF3ONS	756426-58-1
4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4
Perfluoro-2-propoxypropanoic acid	HFPO-DA	13252-13-6
Perfluorodecane sulfonic acid	PFDS	335-77-3
Perfluorobutane sulfonic acid	PFBS	375-73-5
Perfluoropentane sulfonic acid	PFPeS	2706-91-4
Perfluorohexane sulfonic acid	PFHxS	355-46-4
Perfluoroheptane sulfonic acid	PFHpS	375-92-8
Perfluorooctane sulfonic acid	PFOS	1763-23-1
Perfluorononane sulfonic acid	PFNS	68259-12-1
Perfluorooctanesulfonamide	PFOSA	754-91-6
4:2 Fluorotelomer sulfonic acid	4:2 FTS	757124-72-4
6:2 Fluorotelomer sulfonic acid	6:2 FTS	27619-97-2
8:2 Fluorotelomer sulfonic acid	8:2FTS	39108-34-4
N-Ethyl Perfluorooctane sulfonamindo acetic acid	EtFOSAA	2991-50-6
N-Methyl Perfluorooctane sulfonamide	MeFOSAA	2355-31-9

- Perfluoroalkyl Carboxylic Acids (**PFCAs**)
- Perfluoropolyether carboxylic acids **(PFPE)**
- Perfluoroalkane Sulfonic Acids (**PFSAs**)
- Perfluoroalkane Sulfonamides (**FASAs**)
- Fluorotelomer Sulfonic Acids (**FTSAs**)
- N-Ethyl Perfluoroalkane Sulfonamidoacetic Acids (**EtFASAAs**)
- N-Methyl Perfluoroalkane Sulfonamidoacetic Acids (**MeFASAAs**)

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	DEQ-CR-MW002										
				Well Screen Interval (bgs)	20 - 25 ft										
				Sample	**GW1910081420RAP**	**GW2001221050MK**	**GW2004151045RL**	**GW2007151105RL**	**GW2010281015RL**	**GW2101261405SK**	**GW2104071245RLF**	**GW2107211420RLF**	**FD2107211420RLF**	**GW2110130915BA**	**GW2201261510BA**
				Sample Date	**10/8/2019**	**1/22/2020**	**4/15/2020**	**7/15/2020**	**10/28/2020**	**1/26/2021**	**4/7/2021**	**7/21/2021**	**7/21/2021**	**10/13/2021**	**1/26/2022**
				Lab Report	**1903623**	**2000165**	**2000899**	**2001522**	**2002372**	**2102039**	**2104109**	**2107214**	**2107214**	**2110157**	**2202043**
		Michigan Part 201 Generic Cleanup Criteria													
Compound	Unit	**Groundwater Surface Water Interface**	**Residential/Nonresidential Drinking Water**		**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PFBA	ng/l	NC	NC		< 2.11	**2.39 J**	**1.62 J**	**2.84 J**	**1.95 J**	**2.99 J**	**2.37 J**	**1.86 J**	**1.80 J**	**2.08 J**	**1.23 J**
PFPeA	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	**1.50 J**	< 2.02	**1.24 J**	**3.26 J**	**1.90 J**	**1.98 J**	**2.1 J**	< 1.95
PFHxA	ng/l	NC	**400,000**		< 2.11	< 2.02	**2.97 J**	**1.80 J**	**1.62 J**	**2.36 J, Q**	**6.11 Q**	**3.74 J**	**3.24 J**	**3.44 J, Q**	**1.79 J**
PFHpA	ng/l	NC	NC		< 2.11	**3.03 J, Q**	**4.69 Q**	**2.07 J**	**1.09 J**	**4.09**	**4.93 Q**	**3.65 J**	**3.29 J**	**2.71 J**	**1.04 J**
PFOA	ng/l	**12,000**	**8**		**2.12 J**	**7.31**	**7.65**	**4.37**	**2.52 J**	**5.32**	**10.90**	**10.40**	**9.58**	**12.8**	**4.65**
PFNA	ng/l	NC	**6**		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
PFDA	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
PFUnDA	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
PFDoDA	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
PFTrDA	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
PFTeDA	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
11Cl-PF3OUdS	ng/l	NC	NC		---	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
9Cl-PF3ONS	ng/l	NC	NC		---	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
ADONA	ng/l	NC	NC		---	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
HFPO-DA	ng/l	NC	NC		---	< 3.02	< 3.04	< 3.22	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
PFDS	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
PFBS	ng/l	NC	**420**		< 2.11	**1.93 J**	< 2.02	< 2.15	**2.16 J**	**2.11 J**	**1.59 J**	**2.29 J**	**2.20 J**	**2.21 J**	**1.25 J**
PFPeS	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	**3.77 J**	**1.66 J**	< 2.05	**1.59 J, Q**	**1.52 J**	**2.17 J**	< 1.95
PFHxS	ng/l	NC	**51**		< 2.11	**4.93**	**4.50**	**1.85 J**	**1.40 J**	**4.34**	**12.10**	**18.90**	**20.80**	**22.8**	**9.77**
PFHpS	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	**2.38 J, Q**	< 1.99	< 1.95
PFOS	ng/l	**12**	**16**		**12.90**	**41.50**	**43.90**	**25.40**	**26.80**	**36.50**	**55.00**	**52.20**	**47.20**	**53.4**	**59.2**
PFNS	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
FOSA	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
4:2 FTS	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
6:2 FTS	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
8:2 FTS	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
NEtFOSAA	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
NMeFOSAA	ng/l	NC	NC		< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95
Total PFAS	ng/l	NC	NC		**15.02**	**61.09**	**65.33**	**39.83**	**41.31**	**60.61**	**96.26**	**96.53**	**93.99**	**103.71**	**78.93**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

Location				DEQ-CR-MW003									DEQ-CR-MW005									
Well Screen Interval (bgs)				-									18 - 23 ft									
Sample								GW2010281545RL	GW2101271510SK	GW2104071455RLF												
Sample Date								10/28/2020	1/27/2021	4/7/2021												
Lab Report								2002372	2102039	2104109												
		Michigan Part 201 Generic Cleanup Criteria																				
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Result	Result	Result	Jul 2021	Oct 2021	Jan 2022	GW1910081505RAP 10/8/2019 Result	GW2001221050RAP 1/22/2020 Result	GW2004150840RL 4/15/2020 Result	Jul 2020	Oct 2020	Jan 2021	Apr 2021	Jul 2021	Oct 2021	Jan 2022
PFBA	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFPeA	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFHxA	ng/l	NC	**400,000**					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFHpA	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFOA	ng/l	**12,000**	**8**					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFNA	ng/l	NC	**6**					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFDA	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFUnDA	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFDoDA	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFTrDA	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFTeDA	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
11Cl-PF3OUdS	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				---	< 2.05	< 2.03							
9Cl-PF3ONS	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				---	< 2.05	< 2.03							
ADONA	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				---	< 2.05	< 2.03							
HFPO-DA	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				---	< 3.07	< 3.05							
PFDS	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFBS	ng/l	NC	**420**					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFPeS	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFHxS	ng/l	NC	**51**					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFHpS	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFOS	ng/l	**12**	**16**					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
PFNS	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
FOSA	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
4:2 FTS	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
6:2 FTS	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
8:2 FTS	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
NEtFOSAA	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	**2.24 J**							
NMeFOSAA	ng/l	NC	NC					< 2.01	< 2.01	< 1.99				< 2.05	< 2.05	< 2.03							
Total PFAS	ng/l	NC	NC					ND	ND	ND				ND	ND	**2.24**							

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	DEQ-CR-MW006										
				Well Screen Interval (bgs)	20 - 25 ft										
				Sample	**GW1910081555RAP**	**GW2001220950MK**	**GW2004150945RL**	**GW2007151005RL**	**GW2007151005RL-FD**	**GW2010280930RL**	**GW2101291030SK**	**GW2104071350RLF**	**GW2107211525RLF**	**GW2110131025BA**	**GW2201261620BA**
				Sample Date	**10/8/2019**	**1/22/2020**	**4/15/2020**	**7/15/2020**	**7/15/2020**	**10/28/2020**	**1/29/2021**	**4/7/2021**	**7/21/2021**	**10/13/2021**	**1/26/2022**
				Lab Report	**1903623**	**2000165**	**2000899**	**2001522**	**2001522**	**2002372**	**2102040**	**2104109**	**2107214**	**2110157**	**2202043**
		Michigan Part 201 Generic Cleanup Criteria													
Compound	Unit	**Groundwater Surface Water Interface**	**Residential/Nonresidential Drinking Water**		**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PFBA	ng/l	NC	NC		**2.22 J**	**2.71 J**	**3.17 J**	**2.46 J**	**2.13 J**	**1.45 J**	**2.28 J**	**2.64 J**	**2.04 J**	**1.71 J**	**1.24 J**
PFPeA	ng/l	NC	NC		**2.29 J**	< 1.99	< 1.99	< 2.07	< 1.92	**1.23 J**	**1.53 J**	**1.44 J**	**1.82 J**	< 1.99	< 2.01
PFHxA	ng/l	NC	**400,000**		**3.03 J**	< 1.99	< 1.99	< 2.07	< 1.92	**1.21 J**	**2.51 J, Q**	**1.91 J, Q**	**3.31 J**	**1.16 J, Q**	< 2.01
PFHpA	ng/l	NC	NC		**1.52 J, Q**	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	**2.38 J**	**1.18 J, Q**	**1.55 J**	< 1.99	< 2.01
PFOA	ng/l	**12,000**	**8**		**5.64**	**3.85 J**	**5.57**	**3.44 J**	**3.19 J**	**3.85 J**	**8.07**	**4.48**	**5.83**	**3.79 J**	**2.23 J**
PFNA	ng/l	NC	**6**		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
PFDA	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
PFUnDA	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
PFDoDA	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
PFTrDA	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
PFTeDA	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
11Cl-PF3OUdS	ng/l	NC	NC		**---**	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
9Cl-PF3ONS	ng/l	NC	NC		**---**	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
ADONA	ng/l	NC	NC		**---**	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
HFPO-DA	ng/l	NC	NC		---	< 2.99	< 2.99	< 3.11	< 2.87	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
PFDS	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
PFBS	ng/l	NC	**420**		< 2.05	**1.66 J**	**1.94 J**	< 2.07	< 1.92	< 1.99	**2.19 J**	**1.73 J**	**2.69 J, Q**	**1.67 J**	**1.36 J**
PFPeS	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
PFHxS	ng/l	NC	**51**		**15.60**	**12.40**	**7.55**	**6.92**	**6.49**	**11.00**	**21.10**	**7.20**	**19.70**	**11.2**	**10.5**
PFHpS	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
PFOS	ng/l	**12**	**16**		**6.08 Q**	**7.27**	**3.79 J**	**5.96**	**6.31**	**9.89**	**10.90**	**5.36**	**1.40 J**	**3.05 J**	**7.56**
PFNS	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
FOSA	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
4:2 FTS	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
6:2 FTS	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
8:2 FTS	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
NEtFOSAA	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
NMeFOSAA	ng/l	NC	NC		< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01
Total PFAS	ng/l	NC	NC		**36.38**	**27.89**	**22.02**	**18.78**	**18.12**	**28.63**	**50.96**	**25.94**	**38.34**	**22.58**	**22.89**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

Location				DEQ-CR-MW007										DEQ-LD-MW001											
Well Screen Interval (bgs)				-										10 - 15 ft											
Sample													GW2107211635RLF	GW1910091100RAP	GW2001221215RAP	GW2004151505RL	GW2007151325RL	GW2010281300RL						GW2107211030RLF		
Sample Date													7/21/2021	10/9/2019	1/22/2020	4/15/2020	7/15/2020	10/28/2020						7/21/2021		
Lab Report													2107214	1903623	2000165	2000899	2001522	2002372						2107214		
		Michigan Part 201 Generic Cleanup Criteria																							
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Jan 2021	Apr 2021		Oct 2021	Jan 2022						Jan 2021	Apr 2021		Oct 2021	Jan 2022		
											Result			Result	Result	Result	Result	Result			Result			Result		
PFBA	ng/l	NC	NC								< 2.08			**5.93**	**1.67 J**	< 2.04	**1.79 J**	**1.27 J**			**1.06 J**				
PFPeA	ng/l	NC	NC								< 2.08			**4.55**	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
PFHxA	ng/l	NC	**400,000**								< 2.08			**6.81**	**1.66 J**	< 2.04	< 1.98	< 1.95			< 2.09				
PFHpA	ng/l	NC	NC								< 2.08			**2.33 J, Q**	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
PFOA	ng/l	**12,000**	**8**								< 2.08			**3.44 J**	**3.12 J**	**2.56 J**	**3.24 J**	**2.03 J**			**3.04 J**				
PFNA	ng/l	NC	**6**								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
PFDA	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
PFUnDA	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
PFDoDA	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
PFTrDA	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
PFTeDA	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
11Cl-PF3OUdS	ng/l	NC	NC								< 2.08			---	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
9Cl-PF3ONS	ng/l	NC	NC								< 2.08			---	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
ADONA	ng/l	NC	NC								< 2.08			---	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
HFPO-DA	ng/l	NC	NC								< 2.08			---	< 3.09	< 3.06	< 2.96	< 1.95			< 2.09				
PFDS	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
PFBS	ng/l	NC	**420**								< 2.08			**3.32 J**	**2.36 J**	**2.23 J**	**2.63 J**	**2.23 J**			**3.03 J**				
PFPeS	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
PFHxS	ng/l	NC	**51**								< 2.08			**3.33 J**	**1.82 J**	**1.71 J**	**3.53 J**	**3.33 J**			**2.84 J**				
PFHpS	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
PFOS	ng/l	**12**	**16**								< 2.08			**2.05 J, Q**	**2.66 J**	< 2.04	**2.26 J**	**2.76 J**			< 2.09				
PFNS	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
FOSA	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
4:2 FTS	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
6:2 FTS	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
8:2 FTS	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
NEtFOSAA	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
NMeFOSAA	ng/l	NC	NC								< 2.08			< 2.07	< 2.06	< 2.04	< 1.98	< 1.95			< 2.09				
Total PFAS	ng/l	NC	NC								ND			**31.76**	**13.29**	**6.50**	**13.45**	**11.62**			**9.97**				

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	DEQ-LD-MW003											
				Well Screen Interval (bgs)	10 - 15 ft											
				Sample	**GW1910091215RAP**	**GW2001221350RAP**	**GW2004151350RL**	**FD2004151350RL**	**GW2007151240RL**	**GW2010281145RL**	**FD2010281145RL**	**GW2101290915SK**	**GW2104071810RLF**	**GW2107211115RLF**	**GW2110131310BA**	**GW2201261250BA**
				Sample Date	**10/9/2019**	**1/22/2020**	**4/15/2020**	**4/15/2020**	**7/15/2020**	**10/28/2020**	**10/28/2020**	**1/29/2021**	**4/7/2021**	**7/21/2021**	**10/13/2021**	**1/26/2022**
				Lab Report	**1903623**	**2000165**	**2000899**	**2000899**	**2001522**	**2002372**	**2002372**	**2102040**	**2104108**	**2107214**	**2110157**	**2202043**
		Michigan Part 201 Generic Cleanup Criteria														
Compound	Unit	**Groundwater Surface Water Interface**	**Residential/Nonresidential Drinking Water**		**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PFBA	ng/l	NC	NC		< 2.17	**3.43 J**	**2.83 J**	**3.02 J**	**3.45 J**	**4.41**	**4.81**	**2.77 J**	**1.14 J**	**2.57 J**	**5.06**	**3.82 J**
PFPeA	ng/l	NC	NC		**1.70 J**	**6.97**	**4.50**	**5.25**	**7.06**	**16.90**	**16.60**	**7.95**	**2.99 J**	**2.33 J**	**12.4**	**6.32**
PFHxA	ng/l	NC	**400,000**		**2.56 J**	**7.95**	**4.96**	**4.59 Q**	**6.63**	**14.70**	**15.90**	**9.27**	**3.62 J**	**3.47 J, Q**	**17.1**	**7.75**
PFHpA	ng/l	NC	NC		< 2.17	**2.22 J**	**1.72 J, Q**	**1.58 J, Q**	< 2.07	**4.37**	**4.55**	**2.99 J**	**1.05 J**	**1.11 J**	**5.1**	**3.51 J**
PFOA	ng/l	**12,000**	**8**		**2.57 J**	**6.25**	**4.09**	**4.68**	**4.40**	**11.00**	**10.20**	**10.50**	**4.21**	**3.94 J**	**13.4**	**17.2**
PFNA	ng/l	NC	**6**		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
PFDA	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
PFUnDA	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
PFDoDA	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
PFTrDA	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
PFTeDA	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
11Cl-PF3OUdS	ng/l	NC	NC		**---**	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
9Cl-PF3ONS	ng/l	NC	NC		**---**	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
ADONA	ng/l	NC	NC		**---**	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
HFPO-DA	ng/l	NC	NC		---	< 3.01	< 3.02	< 3.02	< 3.10	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
PFDS	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
PFBS	ng/l	NC	**420**		**1.66 J**	**2.73 J**	**2.30 J**	**2.64 J, Q**	**3.29 J**	**4.45**	**5.10**	**4.36**	**2.81 J**	**1.96 J**	**6.74**	**7.44**
PFPeS	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
PFHxS	ng/l	NC	**51**		< 2.17	**2.36 J**	**1.40 J**	**1.57 J**	**2.23 J**	**3.91 J**	**3.83 J**	**3.96 J**	**2.72 J**	**2.66 J**	**5.72**	**11.1**
PFHpS	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
PFOS	ng/l	**12**	**16**		< 2.17	**2.60 J**	< 2.02	< 2.02	< 2.07	**2.34 J**	**2.38 J**	**2.74 J**	**1.68 J**	< 2.08	< 2.02	**3.84 J**
PFNS	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
FOSA	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
4:2 FTS	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
6:2 FTS	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
8:2 FTS	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
NEtFOSAA	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
NMeFOSAA	ng/l	NC	NC		< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03
Total PFAS	ng/l	NC	NC		**8.49**	**34.51**	**21.80**	**23.33**	**27.06**	**62.08**	**63.37**	**44.54**	**20.22**	**18.04**	**65.52**	**60.98**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

Location				DEQ-LD-MW005													DEQ-RR-MW003									
Well Screen Interval (bgs)				5 - 10 ft													12 - 17 ft								
Sample				GW1910081710RAP	GW2001221650RAP	GW2004151605RL			GW2101281055SK	GW2104061440RLF							GW1910081440GSC	GW2001231315MK	GW2004141105GSC			GW2010291015RL				
Sample Date				10/8/2019	1/22/2020	4/15/2020			1/28/2021	4/6/2021							10/8/2019	1/23/2020	4/14/2020			10/29/2020				
Lab Report				1903623	2000166	2000906			2102039	2104109							1903623	2000166	2000899			2002372				
		Michigan Part 201 Generic Cleanup Criteria																							
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water	Result	Result	Result	Jul 2020	Oct 2020	Result	Result	Jul 2021	Oct 2021	Jan 2022				Result	Result	Result	Jul 2020		Result	Jan 2021	Apr 2021	Jul 2021	Oct 2021	Jan 2022
PFBA	ng/l	NC	NC	**14.50**	**13.10**	**11.90**			**9.62**	**9.65**							**2.09 J**	**2.38 J**	< 1.99			< 2.03					
PFPeA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			**2.40 J**	**1.69 J**							< 2.02	< 2.02	< 1.99			< 2.03					
PFHxA	ng/l	NC	**400,000**	< 2.16	< 2.01	< 2.02			**1.53 J**	**1.24 J, Q**							< 2.02	< 2.02	< 1.99			< 2.03					
PFHpA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
PFOA	ng/l	**12,000**	**8**	**2.77 J**	**2.60 J**	**2.78 J**			**3.03 J**	**2.01 J**							< 2.02	< 2.02	< 1.99			< 2.03					
PFNA	ng/l	NC	**6**	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
PFDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
PFUnDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
PFDoDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
PFTrDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
PFTeDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
11Cl-PF3OUdS	ng/l	NC	NC	---	< 2.01	< 2.02			< 2.01	< 1.99							---	< 2.02	< 1.99			< 2.03					
9Cl-PF3ONS	ng/l	NC	NC	---	< 2.01	< 2.02			< 2.01	< 1.99							---	< 2.02	< 1.99			< 2.03					
ADONA	ng/l	NC	NC	---	< 2.01	< 2.02			< 2.01	< 1.99							---	< 2.02	< 1.99			< 2.03					
HFPO-DA	ng/l	NC	NC	---	< 3.01	< 3.04			< 2.01	< 1.99							---	< 3.02	< 2.99			< 2.03					
PFDS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
PFBS	ng/l	NC	**420**	**9.29**	**7.79**	**10.30**			**7.65**	**7.52**							**47.60**	**8.68**	< 1.99			**2.33 J**					
PFPeS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
PFHxS	ng/l	NC	**51**	**4.96**	**9.49**	**6.28**			**8.97**	**8.71**							< 2.02	< 2.02	< 1.99			< 2.03					
PFHpS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
PFOS	ng/l	**12**	**16**	**3.10 J, Q**	**3.08 J**	**2.51 J**			**6.03**	**4.50**							< 2.02	**1.87 J**	< 1.99			< 2.03					
PFNS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
FOSA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
4:2 FTS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
6:2 FTS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
8:2 FTS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
NEtFOSAA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
NMeFOSAA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02			< 2.01	< 1.99							< 2.02	< 2.02	< 1.99			< 2.03					
Total PFAS	ng/l	NC	NC	**34.62**	**36.06**	**33.77**			**39.23**	**35.32**							**49.69**	**12.93**	ND			**2.33**					

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	DEQ-RR-MW004									
				Well Screen Interval (bgs)	17 - 22 ft									
				Sample	GW1910090950GSC	GW2001231225MK	GW2004141140GSC	GW2007151245GSC	GW2010290855RL	GW2101261445GSC	GW2104070950KEM	GW2107210750MLH	GW2110131230RF	GW2201261245RF
				Sample Date	10/9/2019	1/23/2020	4/14/2020	7/15/2020	10/29/2020	1/26/2021	4/7/2021	7/21/2021	10/13/2021	1/26/2022
				Lab Report	1903623	2000166	2000899	2001522	2002372	2102039	2104108	2107214	2110157	2202043
		Michigan Part 201 Generic Cleanup Criteria												
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC		**1.49 J**	**9.59**	**6.10**	**4.05**	**19.40**	**11.20**	**8.65**	**11.10**	**18.6**	**15.2**
PFPeA	ng/l	NC	NC		< 2.09	**2.66 J**	**3.07 J**	**1.82 J**	**8.33**	**1.32 J**	**11.00**	**2.79 J**	**1.74 J**	**4.21**
PFHxA	ng/l	NC	**400,000**		< 2.09	**1.91 J**	**1.67 J, Q**	< 2.01	**8.03**	< 1.94	**11.10**	< 1.98	< 1.99	**3.69 J**
PFHpA	ng/l	NC	NC		< 2.09	**1.41 J**	< 2.03	< 2.01	**2.26 J**	< 1.94	**8.26**	**1.22 J**	< 1.99	**2.56 J**
PFOA	ng/l	**12,000**	**8**		< 2.09	**3.96 J**	**2.88 J**	**2.00 J**	**2.84 J**	**1.28 J**	**8.49**	**3.07 J**	**2.83 J**	**5.84**
PFNA	ng/l	NC	**6**		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
PFDA	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
PFUnDA	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
PFDoDA	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
PFTrDA	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
PFTeDA	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
11Cl-PF3OUdS	ng/l	NC	NC		**---**	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
9Cl-PF3ONS	ng/l	NC	NC		**---**	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
ADONA	ng/l	NC	NC		**---**	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
HFPO-DA	ng/l	NC	NC		---	< 3.02	< 3.05	< 3.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
PFDS	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
PFBS	ng/l	NC	**420**		**99.10**	**103.00**	**399.00**	**611.00**	**194.00**	**85.70**	**121.00**	**938**	**526**	**192**
PFPeS	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
PFHxS	ng/l	NC	**51**		< 2.09	**2.87 J**	**1.69 J**	< 2.01	**4.07 J**	**2.93 J**	**2.38 J**	**1.78 J**	**3.98**	**3.06 J**
PFHpS	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
PFOS	ng/l	**12**	**16**		**11.00**	**18.90**	**27.50**	**9.86**	**15.40**	**15.90**	**30.00**	**13.70**	**13.3**	**14.9**
PFNS	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
FOSA	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
4:2 FTS	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
6:2 FTS	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
8:2 FTS	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
NEtFOSAA	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
NMeFOSAA	ng/l	NC	NC		< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98
Total PFAS	ng/l	NC	NC		**111.59**	**144.30**	**441.91**	**628.73**	**254.33**	**118.33**	**200.88**	**971.66**	**566.45**	**241.46**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	DEQ-RR-MW005								
				Well Screen Interval (bgs)	13 - 18 ft								
				Sample	GW1910081530GSC	GW2001231425MK	GW2004141340GSC	GW2007151140GSC	GW2010291120RL	GW2101261545GSC	GW2104071040KEM	GW2107210940MLH	GW2110131405RF	GW2201261450RF
				Sample Date	10/8/2019	1/23/2020	4/14/2020	7/15/2020	10/29/2020	1/26/2021	4/7/2021	7/21/2021	10/13/2021	1/26/2022
				Lab Report	1903623	2000166	2000899	2001522	2002372	2102039	2104108	2107214	2110157	2202043
		Michigan Part 201 Generic Cleanup Criteria												
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC		**23.50**	**7.92**	**24.10**	**174.00**	**39.80**	**8.78**	**30.00**	**129.00**	**81.7**	**17.9**
PFPeA	ng/l	NC	NC		**22.60**	**13.10**	**14.70**	**502.00**	**110.00**	**23.60**	**39.00**	**372.00**	**143**	**17.7**
PFHxA	ng/l	NC	**400,000**		**13.70**	**9.27**	**10.60**	**215.00**	**64.00**	**14.10**	**25.50**	**174.00**	**84.6**	**11.7**
PFHpA	ng/l	NC	NC		**1.62 J**	**1.99 J, Q**	**1.93 J, Q**	**18.70**	**2.74 J**	< 2.02	**2.48 J, Q**	**7.69**	**4.11 J**	< 1.96
PFOA	ng/l	**12,000**	**8**		**4.36**	**8.96**	**5.17**	**33.70**	**6.95**	**3.49 J**	**4.53**	**8.62**	**9.51**	**2.29 J**
PFNA	ng/l	NC	**6**		< 2.03	< 2.12	< 1.97	**6.13**	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
PFDA	ng/l	NC	NC		< 2.03	< 2.12	< 1.97	**6.86**	**1.76 J**	**2.40 J**	< 2.05	< 2.07	< 2.11	< 1.96
PFUnDA	ng/l	NC	NC		< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
PFDoDA	ng/l	NC	NC		< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
PFTrDA	ng/l	NC	NC		< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
PFTeDA	ng/l	NC	NC		< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
11Cl-PF3OUdS	ng/l	NC	NC		---	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
9Cl-PF3ONS	ng/l	NC	NC		---	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
ADONA	ng/l	NC	NC		---	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
HFPO-DA	ng/l	NC	NC		---	< 3.18	< 2.95	< 3.15	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
PFDS	ng/l	NC	NC		**3.16 J**	**4.32**	**4.87**	**11.20 Q**	**6.18**	**15.40**	**10.10**	**2.21 J**	**3.25 J**	**2.40 J**
PFBS	ng/l	NC	**420**		**328.00**	**93.70**	**357.00**	**819.00**	**219.00**	**103.00**	**101.00**	**1,870**	**1,090**	**390**
PFPeS	ng/l	NC	NC		< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
PFHxS	ng/l	NC	**51**		**1.98 J**	< 2.12	< 1.97	**2.14 J**	< 2.02	< 2.02	< 2.05	**4.35**	**1.94 J**	< 1.96
PFHpS	ng/l	NC	NC		< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
PFOS	ng/l	**12**	**16**		**39.70**	**46.50**	**21.30**	**150.00**	**46.20**	**23.40**	**12.50**	**8.37**	**19.7**	**15.0**
PFNS	ng/l	NC	NC		< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
FOSA	ng/l	NC	NC		**24.00**	**12.60**	**17.10**	**30.10**	**38.00**	**77.20**	**25.70**	**9.58**	**18.5**	**20.4**
4:2 FTS	ng/l	NC	NC		< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
6:2 FTS	ng/l	NC	NC		< 2.03	< 2.12	< 1.97	**4.93**	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
8:2 FTS	ng/l	NC	NC		< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
NEtFOSAA	ng/l	NC	NC		< 2.03	**3.48 J**	**5.94**	**7.63**	**1.49 J**	**8.23**	**3.81 J**	< 2.07	< 2.11	**2.07 J**
NMeFOSAA	ng/l	NC	NC		< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96
Total PFAS	ng/l	NC	NC		**462.62**	**201.84**	**462.71**	**1,981.39**	**536.12**	**279.60**	**254.62**	**2,585.82**	**1,456.31**	**479.46**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

			Location	DEQ-RR-MW006									
			Well Screen Interval (bgs)	11 - 16 ft									
			Sample	**GW1910091040GSC**	**GW2001231110MK**	**GW2004141240GSC**	**GW2007151210GSC**						
			Sample Date	**10/9/2019**	**1/23/2020**	**4/14/2020**	**7/15/2020**						
			Lab Report	**1903623**	**2000166**	**2000899**	**2001522**						
		Michigan Part 201 Generic Cleanup Criteria											
Compound	Unit	**Groundwater Surface Water Interface**	**Residential/Nonresidential Drinking Water**	**Result**	**Result**	**Result**	**Result**	**Oct 2020**	**Jan 2021**	**Apr 2021**	**Jul 2021**	**Oct 2021**	**Jan 2022**
PFBA	ng/l	NC	NC	**3.43 J**	**2.20 J**	< 2.06	< 2.07						
PFPeA	ng/l	NC	NC	**3.36 J**	**2.73 J**	< 2.06	< 2.07						
PFHxA	ng/l	NC	**400,000**	**3.10 J**	**2.52 J**	< 2.06	< 2.07						
PFHpA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
PFOA	ng/l	**12,000**	**8**	**1.57 J**	**1.40 J**	< 2.06	< 2.07						
PFNA	ng/l	NC	**6**	< 2.05	< 2.00	< 2.06	< 2.07						
PFDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
PFUnDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
PFDoDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
PFTrDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
PFTeDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
11Cl-PF3OUdS	ng/l	NC	NC	---	< 2.00	< 2.06	< 2.07						
9Cl-PF3ONS	ng/l	NC	NC	---	< 2.00	< 2.06	< 2.07						
ADONA	ng/l	NC	NC	---	< 2.00	< 2.06	< 2.07						
HFPO-DA	ng/l	NC	NC	---	< 3.00	< 3.09	< 3.11						
PFDS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
PFBS	ng/l	NC	**420**	< 2.05	< 2.00	< 2.06	< 2.07						
PFPeS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
PFHxS	ng/l	NC	**51**	**1.79 J**	**2.03 J**	< 2.06	**1.75 J**						
PFHpS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
PFOS	ng/l	**12**	**16**	**6.00**	**8.72**	**3.36 J**	< 2.07						
PFNS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
FOSA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
4:2 FTS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
6:2 FTS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
8:2 FTS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
NEtFOSAA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
NMeFOSAA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07						
Total PFAS	ng/l	NC	NC	**19.25**	**19.60**	**3.36**	**1.75**						

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

			Location	DEQ-RR-MW007											
			Well Screen Interval (bgs)	10 - 15 ft											
			Sample	**GW1910081655GSC**	**GW2001231000MK**	**GW2004141420GSC**	**GW2007151005GSC**		**GW2101261635GSC**	**GW2104071140KEM**	**GW2107210850MLH**	**GW2110131135RF**	**FD2110131140RF**	**GW2201261345RF**
			Sample Date	**10/8/2019**	**1/23/2020**	**4/14/2020**	**7/15/2020**		**1/26/2021**	**4/7/2021**	**7/21/2021**	**10/13/2021**	**10/13/2021**	**1/26/2022**
			Lab Report	**1903623**	**2000166**	**2000899**	**2001522**		**2102039**	**2104108**	**2107214**	**2110157**	**2110157**	**2202043**
		Michigan Part 201 Generic Cleanup Criteria													
Compound	Unit	**Groundwater Surface Water Interface**	**Residential/Nonresidential Drinking Water**	**Result**	**Result**	**Result**	**Result**		**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PFBA	ng/l	NC	NC	**1.66 J**	**2.48 J**	< 1.95	< 2.01		**1.07 J**	< 1.96	< 1.98	< 1.95	< 1.95	**1.20 J**
PFPeA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	**1.23 J**	< 1.98	< 1.95	< 1.95	< 1.96
PFHxA	ng/l	NC	**400,000**	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
PFHpA	ng/l	NC	NC	< 2.12	< 2.11	**1.77 J**	< 2.01		< 2.03	**1.67 J, Q**	< 1.98	< 1.95	< 1.95	< 1.96
PFOA	ng/l	**12,000**	**8**	**5.65**	**6.70**	**6.73**	**4.18**		**8.15**	**13.00**	**4.64**	**3.3 J**	**3.22 J**	< 1.96
PFNA	ng/l	NC	**6**	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
PFDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
PFUnDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
PFDoDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
PFTrDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
PFTeDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	**Oct 2020**	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
11Cl-PF3OUdS	ng/l	NC	NC	**---**	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
9Cl-PF3ONS	ng/l	NC	NC	**---**	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
ADONA	ng/l	NC	NC	**---**	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
HFPO-DA	ng/l	NC	NC	---	< 3.16	< 2.93	< 3.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
PFDS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
PFBS	ng/l	NC	**420**	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
PFPeS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
PFHxS	ng/l	NC	**51**	**1.64 J**	**3.36 J**	**3.42 J**	**1.87 J**		**3.59 J**	**5.36**	**2.18 J**	**1.35 J**	**1.01 J**	< 1.96
PFHpS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
PFOS	ng/l	**12**	**16**	**41.40**	**35.90**	**57.90**	**39.70**		**31.70**	**42.10**	**30.60**	**36.2**	**34.8**	**33.3**
PFNS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
FOSA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	**1.79 J, Q**	**1.31 J**	**1.36 J, Q**	< 1.96
4:2 FTS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
6:2 FTS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
8:2 FTS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
NEtFOSAA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
NMeFOSAA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01		< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96
Total PFAS	ng/l	NC	NC	**50.35**	**48.44**	**69.82**	**45.75**		**44.51**	**63.36**	**39.21**	**42.16**	**40.39**	**34.50**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

			Location	DEQ-RR-MW008									
			Well Screen Interval (bgs)	8 - 13 ft									
			Sample	**GW1910081610GSC**	**GW2001231455RAP**	**GW2004141505GSC**	**GW2007151055GSC**					**GW2110131315RF**	**GW2201280855RF**
			Sample Date	**10/8/2019**	**1/23/2020**	**4/14/2020**	**7/15/2020**					**10/13/2021**	**1/28/2022**
			Lab Report	**1903623**	**2000166**	**2000899**	**2001522**					**2110157**	**2202044**
		Michigan Part 201 Generic Cleanup Criteria											
Compound	Unit	**Groundwater Surface Water Interface**	**Residential/Nonresidential Drinking Water**	**Result**	**Result**	**Result**	**Result**	**Oct 2020**	**Jan 2021**	**Apr 2021**	**Jul 2021**	**Result**	**Result**
PFBA	ng/l	NC	NC	**9.53**	**3.30 J**	**4.20**	**3.40 J**					**1.7 J**	**4.91**
PFPeA	ng/l	NC	NC	**41.10**	**16.10**	**12.10**	**10.10**					**2.58 J**	**30.9**
PFHxA	ng/l	NC	**400,000**	**23.30**	**10.60**	**12.50**	**11.10**					**2.92 J, Q**	**31.6**
PFHpA	ng/l	NC	NC	**4.93**	**2.02 J, Q**	**3.59 J**	< 2.04					**1.34 J**	**6.52**
PFOA	ng/l	**12,000**	**8**	**16.80**	**16.00**	**13.90**	**10.10**					**5.93**	**29.7**
PFNA	ng/l	NC	**6**	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	**1.37 J**
PFDA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
PFUnDA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
PFDoDA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
PFTrDA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
PFTeDA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
11Cl-PF3OUdS	ng/l	NC	NC	**---**	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
9Cl-PF3ONS	ng/l	NC	NC	**---**	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
ADONA	ng/l	NC	NC	**---**	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
HFPO-DA	ng/l	NC	NC	---	< 3.07	< 2.96	< 3.06					< 2.02	< 1.98
PFDS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
PFBS	ng/l	NC	**420**	**14.00**	**22.90**	**51.60**	**10.50**					**17.4**	**61.5**
PFPeS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
PFHxS	ng/l	NC	**51**	**5.98**	**4.94**	**5.34**	**3.28 J**					**2.53 J**	**3.95 J**
PFHpS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
PFOS	ng/l	**12**	**16**	**11.60**	**16.00**	**8.56**	**11.70**					**9.43**	**12.2**
PFNS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
FOSA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
4:2 FTS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
6:2 FTS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
8:2 FTS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
NEtFOSAA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
NMeFOSAA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04					< 2.02	< 1.98
Total PFAS	ng/l	NC	NC	**127.24**	**91.86**	**111.79**	**60.18**					**43.83**	**182.65**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	RI-MW001										RI-MW002									
				Well Screen Interval (bgs)	3 - 8 ft										2 - 7 ft									
				Sample					GW2010281655RL	GW2101261525SK	GW2104061535RLF	GW2107210810RLF								GW2010281745RL				
				Sample Date					10/28/2020	1/26/2021	4/6/2021	7/21/2021								10/28/2020				
				Lab Report					2002372	2102039	2104109	2107214								2002372				
		Michigan Part 201 Generic Cleanup Criteria																						
Compound	Unit	**Groundwater Surface Water Interface**	**Residential/Nonresidential Drinking Water**		**Oct 2019**	**Jan 2020**	**Apr 2020**	**Jul 2020**	**Result**	**Result**	**Result**	**Result**	**Oct 2021**	**Jan 2022**	**Oct 2019**	**Jan 2020**	**Apr 2020**	**Jul 2020**	**Result**	**Jan 2021**	**Apr 2021**	**Jul 2021**	**Oct 2021**	**Jan 2022**
PFBA	ng/l	NC	NC						**7.50**	**3.95 J**	**2.97 J**	**2.89 J**							**9.07**					
PFPeA	ng/l	NC	NC						**6.43**	< 2.03	< 1.97	< 2.07							**4.27**					
PFHxA	ng/l	NC	**400,000**						**6.42**	**1.73 J**	< 1.97	< 2.07							**3.00 J**					
PFHpA	ng/l	NC	NC						**7.14**	**1.68 J**	< 1.97	**1.10 J**							**1.85 J**					
PFOA	ng/l	**12,000**	**8**						**8.43**	**4.33**	**1.61 J**	**2.81 J**							**2.67 J**					
PFNA	ng/l	NC	**6**						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
PFDA	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
PFUnDA	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
PFDoDA	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
PFTrDA	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
PFTeDA	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
11Cl-PF3OUdS	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
9Cl-PF3ONS	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
ADONA	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
HFPO-DA	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
PFDS	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
PFBS	ng/l	NC	**420**						**3.99 J**	**3.04 J**	**4.58**	**4.40**							**1.98 J**					
PFPeS	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
PFHxS	ng/l	NC	**51**						**2.87 J**	< 2.03	< 1.97	< 2.07							**1.91 J**					
PFHpS	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
PFOS	ng/l	**12**	**16**						**5.20**	**2.31 J**	< 1.97	**1.36 J**							**1.43 J**					
PFNS	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
FOSA	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
4:2 FTS	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
6:2 FTS	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
8:2 FTS	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
NEtFOSAA	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
NMeFOSAA	ng/l	NC	NC						< 2.02	< 2.03	< 1.97	< 2.07							< 2.07					
Total PFAS	ng/l	NC	NC						**47.98**	**17.04**	**9.16**	**12.56**							**26.18**					

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	RI-MW003												
				Well Screen Interval (bgs)	2 - 7 ft												
				Sample	**GW1910091430RAP**	**GW2001221710MK**	**GW2004151325GSC**	**GW2007151830RL**		**GW2101261615SK**	**GW2104061650RLF**	**GW2107210710RLF**	**GW2110121240RF**	**GW2201270905BA**	**FD2201270905BA**
				Sample Date	**10/9/2019**	**1/22/2020**	**4/15/2020**	**7/15/2020**		**1/26/2021**	**4/6/2021**	**7/21/2021**	**10/12/2021**	**1/27/2022**	**1/27/2022**
				Lab Report	**1903624**	**2000166**	**2000899**	**2001522**		**2102039**	**2104109**	**2107214**	**2110157**	**2202043**	**2202043**
		Michigan Part 201 Generic Cleanup Criteria													
Compound	Unit	**Groundwater Surface Water Interface**	**Residential/Nonresidential Drinking Water**		**Result**	**Result**	**Result**	**Result**		**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PFBA	ng/l	NC	NC		**8.98**	**3.04 J**	**6.27**	**9.96**		**2.31 J**	**2.76 J**	**2.92 J**	**4 J**	**2.43 J**	**2.72 J**
PFPeA	ng/l	NC	NC		**7.18**	**2.02 J**	**5.77**	**13.50**		**1.16 J**	**2.32 J**	**2.40 J**	**3.86 J**	**1.43 J**	**1.06 J**
PFHxA	ng/l	NC	**400,000**		**8.70**	**2.87 J**	**5.73 Q**	**15.50**		**1.40 J**	**1.69 J**	**3.27 J, Q**	**3.63 J**	**1.52 J**	**2.18 J, Q**
PFHpA	ng/l	NC	NC		**2.87 J, Q**	< 2.02	**1.37 J, Q**	**3.61 J**		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
PFOA	ng/l	**12,000**	**8**		**8.70**	**3.54 J**	**3.45 J**	**7.42**		**2.18 J**	**1.22 J**	**1.67 J**	**1.81 J**	**1.16 J**	**1.53 J**
PFNA	ng/l	NC	**6**		**1.59 J**	< 2.02	< 2.00	**1.87 J**		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
PFDA	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
PFUnDA	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
PFDoDA	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
PFTrDA	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
PFTeDA	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99	**Oct 2020**	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
11Cl-PF3OUdS	ng/l	NC	NC		**---**	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
9Cl-PF3ONS	ng/l	NC	NC		**---**	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
ADONA	ng/l	NC	NC		**---**	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
HFPO-DA	ng/l	NC	NC		---	< 3.02	< 3.00	< 2.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
PFDS	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
PFBS	ng/l	NC	**420**		**3.05 J**	< 2.02	**2.52 J**	**3.80 J**		< 2.05	< 1.99	< 2.02	**1.42 J**	< 2.07	< 1.99
PFPeS	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
PFHxS	ng/l	NC	**51**		**4.55**	**1.45 J**	**1.66 J**	**5.17**		**1.60 J**	< 1.99	< 2.02	**1.61 J**	< 2.07	**1.16 J**
PFHpS	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
PFOS	ng/l	**12**	**16**		**3.75 J**	**3.76 J**	**2.26 J**	**7.60**		**2.38 J**	< 1.99	**1.81 J**	**1.71 J**	**2.72 J**	**3.25 J**
PFNS	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
FOSA	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
4:2 FTS	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
6:2 FTS	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
8:2 FTS	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
NEtFOSAA	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
NMeFOSAA	ng/l	NC	NC		< 2.07	< 2.02	< 2.00	< 1.99		< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99
Total PFAS	ng/l	NC	NC		**49.37**	**16.68**	**29.03**	**68.43**		**11.03**	**7.99**	**12.07**	**18.04**	**9.26**	**11.90**

Footnotes:
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3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	RI-MW003										RI-MW004							
				Well Screen Interval (bgs)	16 - 17 ft										5 - 10 ft							
				Sample									GW2110121240BA	GW2201271000BA				GW2007151735RL				
				Sample Date									10/12/2021	1/27/2022				7/15/2020				
				Lab Report									2110157	2202043				2001522				
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria: Groundwater Surface Water Interface	Michigan Part 201 Generic Cleanup Criteria: Residential/Nonresidential Drinking Water										Result	Result				Result				
PFBA	ng/l	NC	NC										**4.51**	**4.22**				**2.49 J**				
PFPeA	ng/l	NC	NC										**1.2 J**	**1.15 J**				< 2.02				
PFHxA	ng/l	NC	**400,000**										< 2.03	**1.16 J**				< 2.02				
PFHpA	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
PFOA	ng/l	**12,000**	**8**										**1.11 J**	**1.23 J**				< 2.02				
PFNA	ng/l	NC	**6**										< 2.03	< 2.05				< 2.02				
PFDA	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
PFUnDA	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
PFDoDA	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
PFTrDA	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
PFTeDA	ng/l	NC	NC		**Oct 2019**	**Jan 2020**	**Apr 2020**	**Jul 2020**	**Oct 2020**	**Jan 2021**	**Apr 2021**	**Jul 2021**	< 2.03	< 2.05	**Oct 2019**	**Jan 2020**	**Apr 2020**	< 2.02	**Oct 2020**	**Jan 2021**	**Apr 2021**	**Jul 2021**	**Oct 2021**	**Jan 2022**
11Cl-PF3OUdS	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
9Cl-PF3ONS	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
ADONA	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
HFPO-DA	ng/l	NC	NC										< 2.03	< 2.05				< 3.04				
PFDS	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
PFBS	ng/l	NC	**420**										< 2.03	< 2.05				< 2.02				
PFPeS	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
PFHxS	ng/l	NC	**51**										< 2.03	< 2.05				< 2.02				
PFHpS	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
PFOS	ng/l	**12**	**16**										< 2.03	< 2.05				< 2.02				
PFNS	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
FOSA	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
4:2 FTS	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
6:2 FTS	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
8:2 FTS	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
NEtFOSAA	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
NMeFOSAA	ng/l	NC	NC										< 2.03	< 2.05				< 2.02				
Total PFAS	ng/l	NC	NC										**6.82**	**7.76**				**2.49**				

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	RI-MW005									RI-MW007								
				Well Screen Interval (bgs)	7 - 12 ft									19 - 20 ft								
				Sample						GW2101290930KEM	GW2104071625RLF								GW2101271635SK	GW2104071725RLF			
				Sample Date						1/29/2021	4/7/2021								1/27/2021	4/7/2021			
				Lab Report						2102040	2104109								2102039	2104108			
		Michigan Part 201 Generic Cleanup Criteria																				
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water							Result	Result								Result	Result			
PFBA	ng/l	NC	NC							< 2.11	**47.00**								< 1.98	< 2.03			
PFPeA	ng/l	NC	NC							< 2.11	**2.67 J**								< 1.98	< 2.03			
PFHxA	ng/l	NC	**400,000**							< 2.11	**5.14**								< 1.98	< 2.03			
PFHpA	ng/l	NC	NC							< 2.11	**1.35 J**								< 1.98	< 2.03			
PFOA	ng/l	**12,000**	**8**							< 2.11	**4.68**								< 1.98	< 2.03			
PFNA	ng/l	NC	**6**							< 2.11	< 2.00								< 1.98	< 2.03			
PFDA	ng/l	NC	NC							< 2.11	< 2.00								< 1.98	< 2.03			
PFUnDA	ng/l	NC	NC							< 2.11	< 2.00								< 1.98	< 2.03			
PFDoDA	ng/l	NC	NC							< 2.11	< 2.00								< 1.98	< 2.03			
PFTrDA	ng/l	NC	NC							< 2.11	< 2.00								< 1.98	< 2.03			
PFTeDA	ng/l	NC	NC		**Oct 2019**	**Jan 2020**	**Apr 2020**	**Jul 2020**	**Oct 2020**	< 2.11	< 2.00	**Jul 2021**	**Oct 2021**	**Jan 2022**	**Oct 2019**	**Jan 2020**	**Apr 2020**	**Jul 2020**	**Oct 2020**	< 1.98	< 2.03	**Jul 2021**	**Oct 2021**	**Jan 2022**
11Cl-PF3OUdS	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
9Cl-PF3ONS	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
ADONA	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
HFPO-DA	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
PFDS	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
PFBS	ng/l	NC	**420**							< 2.11	**1.20 J**									< 1.98	< 2.03			
PFPeS	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
PFHxS	ng/l	NC	**51**							**6.01**	**16.70**									< 1.98	< 2.03			
PFHpS	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
PFOS	ng/l	**12**	**16**							< 2.11	< 2.00									< 1.98	< 2.03			
PFNS	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
FOSA	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
4:2 FTS	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
6:2 FTS	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
8:2 FTS	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
NEtFOSAA	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
NMeFOSAA	ng/l	NC	NC							< 2.11	< 2.00									< 1.98	< 2.03			
Total PFAS	ng/l	NC	NC							**6.01**	**78.74**									ND	ND			

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	RI-MW007												
				Well Screen Interval (bgs)	39 - 40 ft												
				Sample	**GW1910090935RAP**	**W1910090935RAP-F**	**GW2001221255MK**	**GW2001221255MK-FD**	**GW2004151110GSC**	**GW2007160910RL**	**GW2010281335RL**			**GW2107210940RLF**	**GW2110131155BA**	**GW2201261350BA**
				Sample Date	**10/9/2019**	**10/9/2019**	**1/22/2020**	**1/22/2020**	**4/15/2020**	**7/16/2020**	**10/28/2020**			**7/21/2021**	**10/13/2021**	**1/26/2022**
				Lab Report	**1903624**	**1903624**	**2000165**	**2000165**	**2000899**	**2001523**	**2002372**			**2107214**	**2110157**	**2202043**
		Michigan Part 201 Generic Cleanup Criteria															
Compound	Unit	**Groundwater Surface Water Interface**	**Residential/Nonresidential Drinking Water**		**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Jan 2021**	**Apr 2021**	**Result**	**Result**	**Result**
PFBA	ng/l	NC	NC		< 2.13	< 2.02	**2.59 J**	**2.68 J**	**2.31 J**	**1.81 J**	**1.89 J**			**1.89 J**	**1.91 J**	**1.94 J**
PFPeA	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
PFHxA	ng/l	NC	**400,000**		< 2.13	< 2.02	**1.76 J**	< 2.07	**1.52 J, Q**	< 2.00	**1.79 J, Q**			**1.52 J, Q**	**1.11 J**	**1.70 J, Q**
PFHpA	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
PFOA	ng/l	**12,000**	**8**		< 2.13	< 2.02	**1.90 J**	**1.74 J**	**1.73 J**	< 2.00	**1.41 J**			**1.73 J**	**1.33 J**	**1.59 J**
PFNA	ng/l	NC	**6**		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
PFDA	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
PFUnDA	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
PFDoDA	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
PFTrDA	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
PFTeDA	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
11Cl-PF3OUdS	ng/l	NC	NC		---	---	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
9Cl-PF3ONS	ng/l	NC	NC		---	---	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
ADONA	ng/l	NC	NC		---	---	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
HFPO-DA	ng/l	NC	NC		---	---	< 3.13	< 3.11	< 2.99	< 3.00	< 2.00			< 2.06	< 1.98	< 2.03
PFDS	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
PFBS	ng/l	NC	**420**		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
PFPeS	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
PFHxS	ng/l	NC	**51**		**3.65 J**	**3.02 J**	**5.84**	**5.64**	**4.47**	**3.31 J**	**3.39 J**			**2.12 J**	**2.77 J**	**3.28 J**
PFHpS	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
PFOS	ng/l	**12**	**16**		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
PFNS	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
FOSA	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
4:2 FTS	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
6:2 FTS	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
8:2 FTS	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
NEtFOSAA	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
NMeFOSAA	ng/l	NC	NC		< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00			< 2.06	< 1.98	< 2.03
Total PFAS	ng/l	NC	NC		**3.65**	**3.02**	**12.09**	**10.06**	**10.03**	**5.12**	**8.48**			**7.26**	**7.12**	**8.51**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

								Location	RI-MW008					
								Well Screen Interval (bgs)	18 - 19 ft					
								Sample	GW2010281430RL	GW2101261715SK	GW2104061745RLF	GW2107211215RLF	GW2110131435BA	GW22012711125BA
								Sample Date	10/28/2020	1/26/2021	4/6/2021	7/21/2021	10/13/2021	1/27/2022
								Lab Report	2002372	2102039	2104109	2107214	2110157	2202043
		Michigan Part 201 Generic Cleanup Criteria												
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water	Oct 2019	Jan 2020	Apr 2020	Jul 2020		Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC						**1.54 J**	**1.40 J**	**1.29 J**	**1.74 J**	**2.01 J**	**1.43 J**
PFPeA	ng/l	NC	NC						**1.12 J**	**1.40 J**	**1.17 J**	**1.21 J**	**1.03 J**	**1.48 J**
PFHxA	ng/l	NC	**400,000**						**1.76 J**	**1.47 J, Q**	< 1.97	**1.64 J**	**1.21 J**	**2.37 J**
PFHpA	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFOA	ng/l	**12,000**	**8**						**3.46 J**	**2.87 J**	**2.68 J**	**3.03 J**	**3.75 J**	**4.66**
PFNA	ng/l	NC	**6**						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFDA	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFUnDA	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFDoDA	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFTrDA	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFTeDA	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
11Cl-PF3OUdS	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
9Cl-PF3ONS	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
ADONA	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
HFPO-DA	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFDS	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFBS	ng/l	NC	**420**						< 2.04	**1.18 J, Q**	< 1.97	**1.68 J, Q**	< 1.95	< 1.98
PFPeS	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFHxS	ng/l	NC	**51**						**3.79 J**	**3.69 J**	**2.28 J**	< 1.96	**5.77**	**6.67**
PFHpS	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFOS	ng/l	**12**	**16**						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFNS	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
FOSA	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
4:2 FTS	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
6:2 FTS	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
8:2 FTS	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
NEtFOSAA	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
NMeFOSAA	ng/l	NC	NC						< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
Total PFAS	ng/l	NC	NC						**11.67**	**12.01**	**7.42**	**9.30**	**13.77**	**16.61**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

Location				RI-MW008																				RI-MW009					
Well Screen Interval (bgs)				27.5 - 28.5 ft																				32 - 33 ft					
Sample				GW1910091525RAP	GW2001221500RAP	GW2004151005GSC	GW2007160945RL				GW2107211300RLF	GW2110131525BA	GW2201271215BA											GW2101270830SK	GW2104061910RLF				
Sample Date				10/9/2019	1/22/2020	4/15/2020	7/16/2020				7/21/2021	10/13/2021	1/27/2022											1/27/2021	4/6/2021				
Lab Report				1903624	2000165	2000899	2001523				2107214	2110157	2202043											2102039	2104109				
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria: Groundwater Surface Water Interface	Michigan Part 201 Generic Cleanup Criteria: Residential/Nonresidential Drinking Water	Result	Result	Result	Result	Oct 2020	Jan 2021	Apr 2021	Result	Result	Result	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Result	Result	Jul 2021	Oct 2021	Jan 2022
PFBA	ng/l	NC	NC	**1.98 J**	**3.70 J**	**1.56 J**	**1.85 J**				< 2.04	< 1.98	< 1.95						**3.30 J**	**3.69 J**			
PFPeA	ng/l	NC	NC	**2.67 J**	**5.26**	**4.63**	**4.37**				**3.22 J**	**2.5 J**	**1.68 J**						**3.07 J**	**2.91 J**			
PFHxA	ng/l	NC	**400,000**	**4.14**	**10.20**	**8.88**	**6.90**				**6.27**	**4.68**	**3.48 J**						**3.54 J**	**4.46**			
PFHpA	ng/l	NC	NC	**1.46 J, Q**	**4.48 Q**	**4.54**	**4.19**				**4.07 J**	**3.18 J**	**2.25 J**						< 2.05	**1.13 J, Q**			
PFOA	ng/l	**12,000**	**8**	**3.08 J**	**6.05**	**4.03**	**3.95 J**				**2.71 J**	**2.76 J**	**1.90 J**						**1.61 J**	**1.16 J**			
PFNA	ng/l	NC	**6**	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
PFDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
PFUnDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
PFDoDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
PFTrDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
PFTeDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
11Cl-PF3OUdS	ng/l	NC	NC	---	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
9Cl-PF3ONS	ng/l	NC	NC	---	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
ADONA	ng/l	NC	NC	---	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
HFPO-DA	ng/l	NC	NC	---	< 2.98	< 2.94	< 3.05				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
PFDS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
PFBS	ng/l	NC	**420**	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						**3.64 J**	**4.38 Q**			
PFPeS	ng/l	NC	NC	< 2.02	**1.56 J, Q**	**1.54 J, Q**	< 2.03				< 2.04	< 1.98	< 1.95						**1.65 J, Q**	< 2.06			
PFHxS	ng/l	NC	**51**	**4.22**	**7.91**	**7.00**	**7.59**				**6.30**	**7.8**	**6.66**						**8.82**	**9.31**			
PFHpS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
PFOS	ng/l	**12**	**16**	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
PFNS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
FOSA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
4:2 FTS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
6:2 FTS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
8:2 FTS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
NEtFOSAA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
NMeFOSAA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03				< 2.04	< 1.98	< 1.95						< 2.05	< 2.06			
Total PFAS	ng/l	NC	NC	**17.55**	**39.16**	**32.18**	**28.85**				**22.57**	**20.92**	**15.97**						**25.63**	**27.04**			

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	RI-MW024											
				Well Screen Interval (bgs)	17 - 18 ft											
				Sample	**GW1910100900GSC**	**GW1910100900GSC-FD**		**GW2004141605GSC**	**GW2007151400GSC**	**GW2007151400GSC-FD**						
				Sample Date	**10/10/2019**	**10/10/2019**		**4/14/2020**	**7/15/2020**	**7/15/2020**						
				Lab Report	**1903624**	**1903624**		**2000899**	**2001522**	**2001522**						
		Michigan Part 201 Generic Cleanup Criteria														
Compound	Unit	**Groundwater Surface Water Interface**	**Residential/Nonresidential Drinking Water**		**Result**	**Result**	**Jan 2020**	**Result**	**Result**	**Result**	**Oct 2020**	**Jan 2021**	**Apr 2021**	**Jul 2021**	**Oct 2021**	**Jan 2022**
PFBA	ng/l	NC	NC		< 2.07	< 2.02		**3.55 J**	< 1.97	< 2.04						
PFPeA	ng/l	NC	NC		< 2.07	< 2.02		**1.67 J**	< 1.97	< 2.04						
PFHxA	ng/l	NC	**400,000**		< 2.07	< 2.02		**2.55 J, Q**	< 1.97	< 2.04						
PFHpA	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
PFOA	ng/l	**12,000**	**8**		**2.31 J**	**2.50 J**		**3.96 J**	**1.57 J**	< 2.04						
PFNA	ng/l	NC	**6**		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
PFDA	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
PFUnDA	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
PFDoDA	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
PFTrDA	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
PFTeDA	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
11Cl-PF3OUdS	ng/l	NC	NC		**---**	**---**		< 1.99	< 1.97	< 2.04						
9Cl-PF3ONS	ng/l	NC	NC		**---**	**---**		< 1.99	< 1.97	< 2.04						
ADONA	ng/l	NC	NC		**---**	**---**		< 1.99	< 1.97	< 2.04						
HFPO-DA	ng/l	NC	NC		---	---		< 2.99	< 2.95	< 3.06						
PFDS	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
PFBS	ng/l	NC	**420**		**8.07**	**7.91**		**15.30**	**5.49**	**4.50**						
PFPeS	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
PFHxS	ng/l	NC	**51**		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
PFHpS	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
PFOS	ng/l	**12**	**16**		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
PFNS	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
FOSA	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
4:2 FTS	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
6:2 FTS	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
8:2 FTS	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
NEtFOSAA	ng/l	NC	NC		< 2.07	< 2.02		< 1.98	< 1.97	< 2.04						
NMeFOSAA	ng/l	NC	NC		< 2.07	< 2.02		< 1.99	< 1.97	< 2.04						
Total PFAS	ng/l	NC	NC		**10.38**	**10.41**		**27.03**	**7.06**	**4.50**						

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	RI-MW024													RI-MW025								
				Well Screen Interval (bgs)	26 - 27 ft													5.5 - 10.5 ft								
				Sample	**GW1910100945GSC**	**GW2001231215RAP**	**GW2004141640GSC**														**GW2007151315GSC**						
				Sample Date	**10/10/2019**	**1/23/2020**	**4/14/2020**														**7/15/2020**						
				Lab Report	**1903624**	**2000166**	**2000899**														**2001522**						
Compound	Unit	**Michigan Part 201 Generic Cleanup Criteria**																								
		Groundwater Surface Water Interface	**Residential/Nonresidential Drinking Water**																							
				Result	**Result**	**Result**	**Jan 2020**	**Oct 2020**	**Jan 2021**	**Apr 2021**	**Jul 2021**	**Oct 2021**	**Jan 2022**	**Oct 2019**	**Jul 2020**	**Apr 2020**	**Result**	**Oct 2020**	**Jan 2021**	**Apr 2021**	**Jul 2021**	**Oct 2021**	**Jan 2022**
PFBA	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											**3.59 J**						
PFPeA	ng/l	NC	NC	**2.00 J**	< 1.96	**2.36 J**											< 2.07						
PFHxA	ng/l	NC	**400,000**	**3.88 J**	**2.33 J, Q**	**3.61 J**											< 2.07						
PFHpA	ng/l	NC	NC	**2.04 J, Q**	< 1.96	< 1.99											< 2.07						
PFOA	ng/l	**12,000**	**8**	**1.65 J**	**2.77 J**	**3.07 J**											**1.83 J**						
PFNA	ng/l	NC	**6**	< 2.02	< 1.96	< 1.99											< 2.07						
PFDA	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
PFUnDA	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
PFDoDA	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
PFTrDA	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
PFTeDA	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
11Cl-PF3OUdS	ng/l	NC	NC	---	< 1.96	< 1.99											< 2.07						
9Cl-PF3ONS	ng/l	NC	NC	---	< 1.96	< 1.99											< 2.07						
ADONA	ng/l	NC	NC	---	< 1.96	< 1.99											< 2.07						
HFPO-DA	ng/l	NC	NC	---	< 2.94	< 2.99											< 3.11						
PFDS	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
PFBS	ng/l	NC	**420**	**3.98 J**	**2.69 J**	**3.74 J, Q**											< 2.07						
PFPeS	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
PFHxS	ng/l	NC	**51**	**7.07**	**1.49 J**	**1.70 J**											< 2.07						
PFHpS	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
PFOS	ng/l	**12**	**16**	< 2.02	< 1.96	< 1.99											< 2.07						
PFNS	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
FOSA	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
4:2 FTS	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
6:2 FTS	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
8:2 FTS	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
NEtFOSAA	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
NMeFOSAA	ng/l	NC	NC	< 2.02	< 1.96	< 1.99											< 2.07						
Total PFAS	ng/l	NC	NC	**20.62**	**9.28**	**14.48**											**5.42**						

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	RI-MW026									
				Well Screen Interval (bgs)	16 - 21 ft									
				Sample	**GW2010281555CM**									
				Sample Date	**10/28/2020**									
				Lab Report	**2002372**									
		Michigan Part 201 Generic Cleanup Criteria												
Compound	Unit	**Groundwater Surface Water Interface**	**Residential/Nonresidential Drinking Water**		**Result**	**Oct 2019**	**Jan 2020**	**Apr 2020**	**Jul 2020**	**Jan 2021**	**Apr 2021**	**Jul 2021**	**Oct 2021**	**Jan 2022**
PFBA	ng/l	NC	NC		< 2.08									
PFPeA	ng/l	NC	NC		< 2.08									
PFHxA	ng/l	NC	**400,000**		< 2.08									
PFHpA	ng/l	NC	NC		< 2.08									
PFOA	ng/l	**12,000**	**8**		< 2.08									
PFNA	ng/l	NC	**6**		< 2.08									
PFDA	ng/l	NC	NC		< 2.08									
PFUnDA	ng/l	NC	NC		< 2.08									
PFDoDA	ng/l	NC	NC		< 2.08									
PFTrDA	ng/l	NC	NC		< 2.08									
PFTeDA	ng/l	NC	NC		< 2.08									
11Cl-PF3OUdS	ng/l	NC	NC		< 2.08									
9Cl-PF3ONS	ng/l	NC	NC		< 2.08									
ADONA	ng/l	NC	NC		< 2.08									
HFPO-DA	ng/l	NC	NC		< 2.08									
PFDS	ng/l	NC	NC		< 2.08									
PFBS	ng/l	NC	**420**		< 2.08									
PFPeS	ng/l	NC	NC		< 2.08									
PFHxS	ng/l	NC	**51**		< 2.08									
PFHpS	ng/l	NC	NC		< 2.08									
PFOS	ng/l	**12**	**16**		< 2.08									
PFNS	ng/l	NC	NC		< 2.08									
FOSA	ng/l	NC	NC		< 2.08									
4:2 FTS	ng/l	NC	NC		< 2.08									
6:2 FTS	ng/l	NC	NC		< 2.08									
8:2 FTS	ng/l	NC	NC		< 2.08									
NEtFOSAA	ng/l	NC	NC		< 2.08									
NMeFOSAA	ng/l	NC	NC		< 2.08									
Total PFAS	ng/l	NC	NC		ND									

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

Location					RI-MW026										
Well Screen Interval (bgs)					32 - 33 ft										
Sample					GW2001231320RAP		GW2007151440GSC	GW2010281445CM	GW2101270830GSC	GW2101270830GSC-FD	GW2104061910KEM	GW2107211500MLH	GW2110121420RF	GW2201261700RF
Sample Date					1/23/2020		7/15/2020	10/28/2020	1/27/2021	1/27/2021	4/6/2021	7/21/2021	10/12/2021	1/26/2022
Lab Report					2000166		2001522	2002372	2102039	2102039	2104108	2107214	2110157	2202043
		Michigan Part 201 Generic Cleanup Criteria												
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water		Result		Result	Result	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC		**1.85 J**		< 2.10	**2.22 J**	< 1.98	< 2.02	< 2.02	**1.13 J**	**2.51 J**	**1.04 J**
PFPeA	ng/l	NC	NC		**5.01**		**2.52 J**	**5.56**	< 1.98	< 2.02	**2.05 J**	**2.92 J**	**1.98 J**	**2.24 J**
PFHxA	ng/l	NC	**400,000**		**5.25**		**2.94 J**	**5.66**	< 1.98	< 2.02	**1.84 J**	**2.26 J**	**1.94 J**	**2.71 J**
PFHpA	ng/l	NC	NC		**5.43**		**3.35 J**	**2.84 J**	< 1.98	< 2.02	**2.05 J**	**1.64 J**	**1.08 J**	**1.69 J**
PFOA	ng/l	**12,000**	**8**		**16.80**		**12.90**	**11.00**	< 1.98	< 2.02	**9.28**	**6.88**	**4.08 J**	**3.24 J**
PFNA	ng/l	NC	**6**		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
PFDA	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
PFUnDA	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
PFDoDA	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
PFTrDA	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
PFTeDA	ng/l	NC	NC	**Oct 2020**	< 1.99	**Apr 2020**	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
11Cl-PF3OUdS	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
9Cl-PF3ONS	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
ADONA	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
HFPO-DA	ng/l	NC	NC		< 2.99		< 3.15	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
PFDS	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
PFBS	ng/l	NC	**420**		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
PFPeS	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
PFHxS	ng/l	NC	**51**		**6.64**		**4.15 J**	**4.52**	< 1.98	< 2.02	**3.11 J**	**2.45 J**	**1.87 J**	**1.21 J**
PFHpS	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
PFOS	ng/l	**12**	**16**		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
PFNS	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
FOSA	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
4:2 FTS	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
6:2 FTS	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
8:2 FTS	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
NEtFOSAA	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
NMeFOSAA	ng/l	NC	NC		< 1.99		< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96
Total PFAS	ng/l	NC	NC		**40.98**		**25.86**	**31.80**	ND	ND	**18.33**	**17.28**	**13.46**	**12.13**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				RI-MW026												RI-MW027											
Location																											
Well Screen Interval (bgs)				45 - 46 ft												20 - 21 ft											
Sample									GW2101270925GSC	GW2104062000KEM	GW2107211555MLH	GW2110121405BA	GW2201261600RF	FD2201261605RF													
Sample Date									1/27/2021	4/6/2021	7/21/2021	10/12/2021	1/26/2022	1/26/2022													
Lab Report									2102039	2104108	2107214	2110157	2202043	2202043													
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria: Groundwater Surface Water Interface	Michigan Part 201 Generic Cleanup Criteria: Residential/Nonresidential Drinking Water	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Result	Result	Result	Result	Result	Result	Oct 2019	Jan 2020	Apr 2020	Jul 2020	GW2010281140CM 10/28/2020 Result	Jan 2021	Apr 2021	Jul 2021	Oct 2021	Jan 2022
PFBA	ng/l	NC	NC						**2.20 J**	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					**1.26 J**					
PFPeA	ng/l	NC	NC						**4.03 J**	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					**1.07 J**					
PFHxA	ng/l	NC	**400,000**						**3.37 J**	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					**1.19 J**					
PFHpA	ng/l	NC	NC						**3.39 J, Q**	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
PFOA	ng/l	**12,000**	**8**						**9.74**	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					**1.82 J**					
PFNA	ng/l	NC	**6**						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
PFDA	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
PFUnDA	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
PFDoDA	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
PFTrDA	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
PFTeDA	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
11Cl-PF3OUdS	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
9Cl-PF3ONS	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
ADONA	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
HFPO-DA	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
PFDS	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
PFBS	ng/l	NC	**420**						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					**2.68 J**					
PFPeS	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
PFHxS	ng/l	NC	**51**						**3.30 J**	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					**4.09**					
PFHpS	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
PFOS	ng/l	**12**	**16**						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
PFNS	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
FOSA	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
4:2 FTS	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
6:2 FTS	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
8:2 FTS	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
NEtFOSAA	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
NMeFOSAA	ng/l	NC	NC						< 2.06	< 2.13	< 2.06	< 1.95	< 2.02	< 1.98					< 1.98					
Total PFAS	ng/l	NC	NC						**26.03**	ND	ND	ND	ND	ND					**12.11**					

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	RI-MW027										RI-MW028									
				Well Screen Interval (bgs)	34.5 - 35.3 ft										5 - 10 ft									
				Sample					GW2010281250CM									GW2007151515GSC	GW2010281735CM	GW2101271030GSC	GW2104061725KEM			
				Sample Date					10/28/2020									7/15/2020	10/28/2020	1/27/2021	4/6/2021			
				Lab Report					2002372									2001522	2002372	2102039	2104108			
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria																						
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water						Result									Result	Result	Result	Result			
PFBA	ng/l	NC	NC						**11.50**									< 2.03	< 2.07	< 1.96	< 1.98			
PFPeA	ng/l	NC	NC						**18.40**									< 2.03	< 2.07	< 1.96	< 1.98			
PFHxA	ng/l	NC	**400,000**						**7.71**									< 2.03	< 2.07	< 1.96	< 1.98			
PFHpA	ng/l	NC	NC						**1.54 J, Q**									**1.77 J**	< 2.07	< 1.96	< 1.98			
PFOA	ng/l	**12,000**	**8**						**2.39 J**									**2.34 J**	< 2.07	< 1.96	< 1.98			
PFNA	ng/l	NC	**6**						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
PFDA	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
PFUnDA	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
PFDoDA	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
PFTrDA	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
PFTeDA	ng/l	NC	NC	**Oct 2019**	**Jan 2020**	**Apr 2020**	**Jul 2020**		< 2.02	**Jan 2021**	**Apr 2021**	**Jul 2021**	**Oct 2021**	**Jan 2022**	**Oct 2019**	**Jan 2020**	**Apr 2020**	< 2.03	< 2.07	< 1.96	< 1.98	**Jul 2021 DRY**	**Oct 2021**	**Jan 2022**
11Cl-PF3OUdS	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
9Cl-PF3ONS	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
ADONA	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
HFPO-DA	ng/l	NC	NC						< 2.02									< 3.05	< 2.07	< 1.96	< 1.98			
PFDS	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
PFBS	ng/l	NC	**420**						**6.57**									< 2.03	**1.67 J**	< 1.96	< 1.98			
PFPeS	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
PFHxS	ng/l	NC	**51**						**2.22 J**									**10.50**	**5.99**	**6.17**	**6.20**			
PFHpS	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
PFOS	ng/l	**12**	**16**						< 2.02									**7.39**	**7.95**	**6.63**	**7.15**			
PFNS	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
FOSA	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
4:2 FTS	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
6:2 FTS	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
8:2 FTS	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
NEtFOSAA	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
NMeFOSAA	ng/l	NC	NC						< 2.02									< 2.03	< 2.07	< 1.96	< 1.98			
Total PFAS	ng/l	NC	NC						**50.33**									**22.00**	**15.61**	**12.80**	**13.35**			

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	RI-MW028									RI-MW030								
				Well Screen Interval (bgs)	20 - 21 ft									24 - 25 ft								
				Sample					GW2010291115CM			GW2107211710MLH		GW1910101025RAP	GW2001230915RAP	GW2004141735GSC						
				Sample Date					10/29/2020			7/21/2021		10/10/2019	1/23/2020	4/14/2020						
				Lab Report					2002372			2107214		1903624	2000166	2000899						
		Michigan Part 201 Generic Cleanup Criteria																				
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water		Oct 2019	Jan 2020	Apr 2020	Jul 2020	Result	Jan 2021	Apr 2021	Result	Oct 2021	Jan 2022	Result	Result	Result	Jul 2020	Oct 2020	Jan 2021	Apr 2021	Jul 2021	Oct 2021	Jan 2022
PFBA	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	**4.77**	**4.33**							
PFPeA	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFHxA	ng/l	NC	**400,000**						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFHpA	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFOA	ng/l	**12,000**	**8**						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFNA	ng/l	NC	**6**						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFDA	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFUnDA	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFDoDA	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFTrDA	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFTeDA	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
11Cl-PF3OUdS	ng/l	NC	NC						< 2.07			< 2.06			---	< 2.05	< 2.08							
9Cl-PF3ONS	ng/l	NC	NC						< 2.07			< 2.06			---	< 2.05	< 2.08							
ADONA	ng/l	NC	NC						< 2.07			< 2.06			---	< 2.05	< 2.08							
HFPO-DA	ng/l	NC	NC						< 2.07			< 2.06			---	< 3.07	< 3.13							
PFDS	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFBS	ng/l	NC	**420**						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFPeS	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFHxS	ng/l	NC	**51**						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFHpS	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
PFOS	ng/l	**12**	**16**						< 2.07			< 2.06			< 2.28	**2.27 J**	< 2.08							
PFNS	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
FOSA	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
4:2 FTS	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
6:2 FTS	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
8:2 FTS	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
NEtFOSAA	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
NMeFOSAA	ng/l	NC	NC						< 2.07			< 2.06			< 2.28	< 2.05	< 2.08							
Total PFAS	ng/l	NC	NC						ND			ND			ND	**7.04**	**4.33**							

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

			Location	RI-MW032								
			Well Screen Interval (bgs)	18 - 23 ft								
			Sample	GW1910091630RAP	GW2001221530MK	GW2004150915GSC	GW2007151700GSC	GW2010291335CM	GW2101270930SK	GW2104071620KEM	GW2107220750MLH	GW2110131740BA	GW2201271325BA
			Sample Date	10/9/2019	1/22/2020	4/15/2020	7/15/2020	10/29/2020	1/27/2021	4/7/2021	7/22/2021	10/13/2021	1/27/2022
			Lab Report	1903624	2000166	2000899	2001522	2002372	2102039	2104108	2107214	2110158	2202043
		Michigan Part 201 Generic Cleanup Criteria											
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC	**6.72**	**8.18**	**5.64**	**8.09**	**9.46**	**8.83**	**8.05**	**8.68**	**10.2**	**8.37**
PFPeA	ng/l	NC	NC	**9.72**	**15.10**	**11.20**	**13.00**	**16.80**	**20.10**	**15.70**	**16.70**	**25.8**	**15.0**
PFHxA	ng/l	NC	**400,000**	**13.40**	**20.40**	**19.20**	**20.30**	**26.50**	**30.20**	**24.20**	**26.30**	**37.8**	**20.9**
PFHpA	ng/l	NC	NC	**3.87 J**	**5.84**	**6.59**	**8.73**	**12.70**	**15.90**	**15.40**	**15.90**	**18.2**	**14.4**
PFOA	ng/l	**12,000**	**8**	**11.30**	**15.90**	**17.90**	**19.80**	**22.40**	**25.10**	**19.30**	**18.70**	**24.3**	**22.9**
PFNA	ng/l	NC	**6**	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
PFDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
PFUnDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
PFDoDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
PFTrDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
PFTeDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
11Cl-PF3OUdS	ng/l	NC	NC	**---**	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
9Cl-PF3ONS	ng/l	NC	NC	**---**	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
ADONA	ng/l	NC	NC	**---**	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
HFPO-DA	ng/l	NC	NC	---	< 3.06	< 3.02	< 3.10	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
PFDS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
PFBS	ng/l	NC	**420**	**23.80**	**27.60**	**23.80**	**25.60**	**31.30**	**33.10**	**23.00**	**22.70**	**19.7**	**47.1**
PFPeS	ng/l	NC	NC	**1.52 J**	**3.38 J**	**2.92 J**	**3.13 J**	**3.51 J**	**4.34**	**2.51 J**	**2.52 J**	**2.49 J**	**2.86 J**
PFHxS	ng/l	NC	**51**	**44.30**	**75.20**	**71.60**	**88.30**	**83.70**	**103.00**	**82.40**	**75.70**	**70**	**88.9**
PFHpS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
PFOS	ng/l	**12**	**16**	**1.96 J, Q**	**3.21 J**	< 2.02	**2.15 J**	**2.76 J**	**5.21**	**2.48 J**	< 1.95	**2.31 J**	< 1.99
PFNS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
FOSA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
4:2 FTS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
6:2 FTS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
8:2 FTS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
NEtFOSAA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
NMeFOSAA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99
Total PFAS	ng/l	NC	NC	**116.59**	**174.81**	**158.85**	**189.10**	**209.13**	**245.78**	**193.04**	**187.20**	**210.80**	**220.43**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

								Location	RI-MW032			
								Well Screen Interval (bgs)	29 - 30 ft			
								Sample	**GW2101271010SK**	**GW2104071700KEM**	**GW2107220835MLH**	**GW2110131825BA**	**GW2201271410BA**
								Sample Date	**1/27/2021**	**4/7/2021**	**7/22/2021**	**10/13/2021**	**1/27/2022**
								Lab Report	**2102039**	**2104108**	**2107214**	**2110158**	**2202044**
		Michigan Part 201 Generic Cleanup Criteria											
Compound	Unit	**Groundwater Surface Water Interface**	**Residential/Nonresidential Drinking Water**	**Oct 2019**	**Jan 2020**	**Apr 2020**	**Jul 2020**	**Oct 2020**	**Result**	**Result**	**Result**	**Result**	**Result**
PFBA	ng/l	NC	NC						**7.15**	**5.32**	**7.61**	**15.0**	**2.47 J**
PFPeA	ng/l	NC	NC						**6.14**	**5.63**	**5.14**	**26.5**	**2.36 J**
PFHxA	ng/l	NC	**400,000**						**7.13**	**7.44**	**5.25**	**37.4**	**1.52 J**
PFHpA	ng/l	NC	NC						**1.80 J, Q**	**2.33 J, Q**	**2.77 J**	**6.49**	**2.83 J**
PFOA	ng/l	**12,000**	**8**						**5.29**	**9.51**	**2.72 J**	**2.27 J**	**2.15 J**
PFNA	ng/l	NC	**6**						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
PFDA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
PFUnDA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
PFDoDA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
PFTrDA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
PFTeDA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
11Cl-PF3OUdS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
9Cl-PF3ONS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
ADONA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
HFPO-DA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
PFDS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
PFBS	ng/l	NC	**420**						**19.80**	**16.70**	**17.80**	**20.1**	**16.9**
PFPeS	ng/l	NC	NC						**1.35 J**	**2.16 J**	< 1.95	< 1.96	< 1.99
PFHxS	ng/l	NC	**51**						**13.00**	**36.70**	**6.10**	**1.83 J**	**2.11 J**
PFHpS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
PFOS	ng/l	**12**	**16**						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
PFNS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
FOSA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
4:2 FTS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
6:2 FTS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
8:2 FTS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
NEtFOSAA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
NMeFOSAA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96	< 1.99
Total PFAS	ng/l	NC	NC						**61.66**	**85.79**	**47.39**	**109.59**	**30.34**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	RI-MW033									
				Well Screen Interval (bgs)	13 - 18 ft									
				Sample	GW1910100915RAP	GW2001221440MK	GW2004150830GSC	GW2007151730GSC	GW2010291430CM	GW2101271100SK	GW2104071450KEM	GW2107211735RLF	GW2110121840RF	GW2201261055RF
				Sample Date	10/10/2019	1/22/2020	4/15/2020	7/15/2020	10/29/2020	1/27/2021	4/7/2021	7/21/2021	10/12/2021	1/26/2022
				Lab Report	1903624	2000165	2000899	2001522	2002372	2102039	2104108	2107214	2110157	2202043
		Michigan Part 201 Generic Cleanup Criteria												
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC		**2.43 J**	**5.68**	**6.51**	**3.45 J**	**1.76 J**	<2.03	< 2.04	**1.11 J**	**4.29**	**1.62 J**
PFPeA	ng/l	NC	NC		**1.51 J**	< 2.02	**1.85 J**	**3.42 J**	**1.75 J**	**1.05 J**	< 2.04	< 2.10	**1.98 J**	**0.984 J**
PFHxA	ng/l	NC	**400,000**		**1.53 J**	**1.90 J, Q**	**5.91**	**4.71**	**3.19 J, Q**	**1.14 J,Q**	< 2.04	< 2.10	**4.35**	**1.90 J**
PFHpA	ng/l	NC	NC		< 2.09	**1.68 J**	**3.30 J**	**4.68**	**3.62 J**	**2.09 J**	**1.15 J**	**2.11 J, Q**	**4.5**	**1.98 J**
PFOA	ng/l	**12,000**	**8**		**8.14**	**10.60**	**14.00**	**17.00**	**19.10**	**10.40**	**5.78**	**10.10**	**17.2**	**9.13**
PFNA	ng/l	NC	**6**		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
PFDA	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
PFUnDA	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
PFDoDA	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
PFTrDA	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
PFTeDA	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
11Cl-PF3OUdS	ng/l	NC	NC		**---**	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
9Cl-PF3ONS	ng/l	NC	NC		**---**	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
ADONA	ng/l	NC	NC		**---**	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
HFPO-DA	ng/l	NC	NC		---	< 3.02	< 2.96	< 3.07	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
PFDS	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
PFBS	ng/l	NC	**420**		**3.35 J**	**2.61 J**	**6.11**	**2.97 J**	**4.69**	**3.04 J**	**4.12**	**3.53 J**	**4.53**	**4.06**
PFPeS	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
PFHxS	ng/l	NC	**51**		**35.90**	**26.50**	**22.80**	**22.30**	**39.80**	**23.60**	**21.30**	**32.40**	**27.9**	**23.1**
PFHpS	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
PFOS	ng/l	**12**	**16**		**3.86 J**	**4.96**	< 1.98	**4.28**	**5.21**	**4.11**	**3.32 J**	**1.29 J**	**4.44**	**5.00**
PFNS	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
FOSA	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
4:2 FTS	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
6:2 FTS	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
8:2 FTS	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
NEtFOSAA	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
NMeFOSAA	ng/l	NC	NC		< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96	< 1.95
Total PFAS	ng/l	NC	NC		**56.72**	**53.93**	**60.48**	**62.81**	**79.12**	**45.43**	**35.67**	**50.54**	**69.19**	**47.77**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

				Location	RI-MW033									
				Well Screen Interval (bgs)	27.5 - 28.5 ft									
				Sample						GW2101271130SK	GW2104071530KEM		GW2110121835BA	GW2201261100BA
				Sample Date						1/27/2021	4/7/2021		10/12/2021	1/26/2022
				Lab Report						2102039	2104108		2110157	2202043
		Michigan Part 201 Generic Cleanup Criteria												
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water		Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Result	Result	Jul 2021	Result	Result
PFBA	ng/l	NC	NC							< 2.03	< 1.99		**5.06**	**4.12**
PFPeA	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
PFHxA	ng/l	NC	**400,000**							< 2.03	< 1.99		< 2.02	< 2.02
PFHpA	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
PFOA	ng/l	**12,000**	**8**							< 2.03	< 1.99		< 2.02	< 2.02
PFNA	ng/l	NC	**6**							< 2.03	< 1.99		< 2.02	< 2.02
PFDA	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
PFUnDA	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
PFDoDA	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
PFTrDA	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
PFTeDA	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
11Cl-PF3OUdS	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
9Cl-PF3ONS	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
ADONA	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
HFPO-DA	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
PFDS	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
PFBS	ng/l	NC	**420**							< 2.03	< 1.99		**1.37 J**	**1.61 J**
PFPeS	ng/l	NC	NC							< 2.03	< 1.99		**1.06 J**	< 2.02
PFHxS	ng/l	NC	**51**							**1.43 J**	**1.28 J**		**3.14 J**	**3.72 J**
PFHpS	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
PFOS	ng/l	**12**	**16**							< 2.03	< 1.99		< 2.02	< 2.02
PFNS	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
FOSA	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
4:2 FTS	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
6:2 FTS	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
8:2 FTS	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
NEtFOSAA	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
NMeFOSAA	ng/l	NC	NC							< 2.03	< 1.99		< 2.02	< 2.02
Total PFAS	ng/l	NC	NC							**1.43**	**1.28**		**10.63**	**9.45**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

Location								RI-MW034					
Well Screen Interval (bgs)								7.5 - 12.5 ft					
Sample							GW2007151800GSC	GW2101271310SK	GW2104071330KEM	GW2107211110MLH	GW2110140815BA	GW2201271725RF
Sample Date							7/15/2020	1/27/2021	4/7/2021	7/21/2021	10/14/2021	1/27/2022
Lab Report							2001522	2102039	2104108	2107214	2110158	2202044
		Michigan Part 201 Generic Cleanup Criteria											
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water	Oct 2019	Jan 2020	Apr 2020	Result	Oct 2020	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC				**1.88 J**		**2.44 J**	**1.79 J**	**2.42 J**	< 1.99	< 1.96
PFPeA	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
PFHxA	ng/l	NC	**400,000**				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
PFHpA	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
PFOA	ng/l	**12,000**	**8**				< 2.02		< 2.05	< 2.07	**1.15 J**	< 1.99	< 1.96
PFNA	ng/l	NC	**6**				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
PFDA	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
PFUnDA	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
PFDoDA	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
PFTrDA	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
PFTeDA	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
11Cl-PF3OUdS	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
9Cl-PF3ONS	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
ADONA	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
HFPO-DA	ng/l	NC	NC				< 3.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
PFDS	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
PFBS	ng/l	NC	**420**				**1.79 J**		**1.64 J**	**1.29 J**	< 1.99	**1.24 J**	**1.02 J**
PFPeS	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
PFHxS	ng/l	NC	**51**				**2.65 J**		**3.04 J**	**2.46 J**	**2.74 J**	**1.8 J**	**1.78 J**
PFHpS	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
PFOS	ng/l	**12**	**16**				**3.37 J**		**1.20 J**	**1.53 J**	< 1.99	**1.96 J**	**1.70 J**
PFNS	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
FOSA	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
4:2 FTS	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
6:2 FTS	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
8:2 FTS	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
NEtFOSAA	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
NMeFOSAA	ng/l	NC	NC				< 2.02		< 2.05	< 2.07	< 1.99	< 1.99	< 1.96
Total PFAS	ng/l	NC	NC				**9.69**		**8.32**	**7.07**	**6.31**	**5.00**	**4.50**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

										Location	RI-MW035			
										Well Screen Interval (bgs)	30 - 31 ft			
										Sample	GW2104070845KEM	GW2104070845KEM-FD	GW2107211215MLH	GW2110131800RF
										Sample Date	4/7/2021	4/7/2021	7/21/2021	10/13/2021
										Lab Report	2104108	2104108	2107214	2110158
		Michigan Part 201 Generic Cleanup Criteria												
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Jan 2021		Result	Result	Result	Result
PFBA	ng/l	NC	NC								< 2.07	< 2.06	**2.95 J**	**19.6**
PFPeA	ng/l	NC	NC								< 2.07	< 2.06	**3.81 J**	**12.6**
PFHxA	ng/l	NC	**400,000**								< 2.07	< 2.06	**4.11**	**16.2**
PFHpA	ng/l	NC	NC								< 2.07	< 2.06	**3.76 J**	**7.28**
PFOA	ng/l	**12,000**	**8**								< 2.07	< 2.06	**3.18 J**	**12.3**
PFNA	ng/l	NC	**6**								< 2.07	< 2.06	< 1.95	< 1.94
PFDA	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
PFUnDA	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
PFDoDA	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
PFTrDA	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
PFTeDA	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
11Cl-PF3OUdS	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
9Cl-PF3ONS	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
ADONA	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
HFPO-DA	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
PFDS	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
PFBS	ng/l	NC	**420**								**4.57**	**4.54**	**8.69**	**27.6**
PFPeS	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
PFHxS	ng/l	NC	**51**								**2.97 J**	**3.14 J**	**18.90**	**21.2**
PFHpS	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
PFOS	ng/l	**12**	**16**								< 2.07	**1.95 J**	< 1.95	< 1.94
PFNS	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
FOSA	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
4:2 FTS	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
6:2 FTS	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
8:2 FTS	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
NEtFOSAA	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
NMeFOSAA	ng/l	NC	NC								< 2.07	< 2.06	< 1.95	< 1.94
Total PFAS	ng/l	NC	NC								**7.54**	**9.63**	**45.40**	**116.78**

										Location	RI-MW035			
										Well Screen Interval (bgs)	30 - 31 ft			
										Sample	GW2201271640RF			
										Sample Date	1/27/2022			
										Lab Report	2202044			
Compound	Unit										Result			
PFBA	ng/l										**12.3**			
PFPeA	ng/l										**15.5**			
PFHxA	ng/l										**17.5**			
PFHpA	ng/l										**9.59**			
PFOA	ng/l										**12.7**			
PFNA	ng/l										< 1.96			
PFDA	ng/l										< 1.96			
PFUnDA	ng/l										< 1.96			
PFDoDA	ng/l										< 1.96			
PFTrDA	ng/l										< 1.96			
PFTeDA	ng/l										< 1.96			
11Cl-PF3OUdS	ng/l										< 1.96			
9Cl-PF3ONS	ng/l										< 1.96			
ADONA	ng/l										< 1.96			
HFPO-DA	ng/l										< 1.96			
PFDS	ng/l										< 1.96			
PFBS	ng/l										**114**			
PFPeS	ng/l										< 1.96			
PFHxS	ng/l										**20.8**			
PFHpS	ng/l										< 1.96			
PFOS	ng/l										< 1.96			
PFNS	ng/l										< 1.96			
FOSA	ng/l										< 1.96			
4:2 FTS	ng/l										< 1.96			
6:2 FTS	ng/l										< 1.96			
8:2 FTS	ng/l										< 1.96			
NEtFOSAA	ng/l										< 1.96			
NMeFOSAA	ng/l										< 1.96			
Total PFAS	ng/l										**202.39**			

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

Location				RI-MW035										RI-MW036									
Well Screen Interval (bgs)				49 - 50 FT										29 - 34 ft									
Sample											GW2107211310MLH	GW2110131700RF	FD2110131705RF	GW2201271555RF								GW2110131010RF	GW2201271420RF
Sample Date											7/21/2021	10/13/2021	10/13/2021	1/27/2022								10/13/2021	1/27/2022
Lab Report											2107214	2110157	2110158	2202044								2110157	2202044
		Michigan Part 201 Generic Cleanup Criteria																					
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Jan 2021	Apr 2021	Result	Result	Result	Result	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Jan 2021	Apr 2021	Jul 2021	Result	Result
PFBA	ng/l	NC	NC								**2.07 J**	**1.78 J**	**1.85 J**	**1.87 J**									**3.25 J**	**2.08 J**
PFPeA	ng/l	NC	NC								**7.85**	**3.01 J**	**3.24 J**	**6.43**									**1.16 J**	**1.54 J**
PFHxA	ng/l	NC	**400,000**								**6.07**	**3.49 J**	**3.6 J**	**6.08**									**1.88 J**	**1.59 J**
PFHpA	ng/l	NC	NC								**1.03 J**	< 1.95	< 1.98	**1.70 J**									< 1.99	< 2.11
PFOA	ng/l	**12,000**	**8**								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
PFNA	ng/l	NC	**6**								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
PFDA	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
PFUnDA	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
PFDoDA	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
PFTrDA	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
PFTeDA	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
11Cl-PF3OUdS	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
9Cl-PF3ONS	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
ADONA	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
HFPO-DA	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
PFDS	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
PFBS	ng/l	NC	**420**								< 1.95	< 1.95	< 1.98	< 2.01									**2.47 J**	**1.76 J**
PFPeS	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
PFHxS	ng/l	NC	**51**								< 1.95	< 1.95	< 1.98	< 2.01									**1.64 J**	< 2.11
PFHpS	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
PFOS	ng/l	**12**	**16**								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
PFNS	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
FOSA	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
4:2 FTS	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
6:2 FTS	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
8:2 FTS	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
NEtFOSAA	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
NMeFOSAA	ng/l	NC	NC								< 1.95	< 1.95	< 1.98	< 2.01									< 1.99	< 2.11
Total PFAS	ng/l	NC	NC								**17.02**	**8.28**	**8.69**	**16.08**									**10.40**	**6.97**

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 2
GSU Quarterly Groudwater Sampling Analytical Results
January 2022
Iosco County, Michigan
60612721

Location				RI-MW036									
Well Screen Interval (bgs)				45 - 46 ft									
Sample										**GW2104071035RLF**	**GW2107220915RLF**	**FD2107220915RLF**	**GW2110130925RF**	**GW2201271310RF**
Sample Date										**4/7/2021**	**7/22/2021**	**7/22/2021**	**10/13/2021**	**1/27/2022**
Lab Report										**2104109**	**2107214**	**2107214**	**2110157**	**2202043**
		Michigan Part 201 Generic Cleanup Criteria												
Compound	Unit	**Groundwater Surface Water Interface**	**Residential/Nonresidential Drinking Water**	**Oct 2019**	**Jan 2020**	**Apr 2020**	**Jul 2020**	**Oct 2020**	**Jan 2021**	**Result**	**Result**	**Result**	**Result**	**Result**
PFBA	ng/l	NC	NC							**1.08 J**	**1.22 J**	**1.32 J**	**1.92 J**	< 2.00
PFPeA	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFHxA	ng/l	NC	**400,000**							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFHpA	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFOA	ng/l	**12,000**	**8**							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFNA	ng/l	NC	**6**							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFDA	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFUnDA	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFDoDA	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFTrDA	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFTeDA	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
11Cl-PF3OUdS	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
9Cl-PF3ONS	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
ADONA	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
HFPO-DA	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFDS	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFBS	ng/l	NC	**420**							**3.04 J**	**3.79 J**	**3.60 J**	**4.52**	**5.49**
PFPeS	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFHxS	ng/l	NC	**51**							**1.26 J**	**1.99 J**	**2.97 J**	**2.09 J**	**2.29 J**
PFHpS	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFOS	ng/l	**12**	**16**							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
PFNS	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
FOSA	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
4:2 FTS	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
6:2 FTS	ng/l	NC	NC							< 1.98	**1.28 J, Q**	< 2.02	< 1.89	< 2.00
8:2 FTS	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
NEtFOSAA	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
NMeFOSAA	ng/l	NC	NC							< 1.98	< 1.98	< 2.02	< 1.89	< 2.00
Total PFAS	ng/l	NC	NC							**5.38**	**8.28**	**7.89**	**8.53**	**7.78**

Footnotes:
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