

NPDES Sample Results
Outfall 005 Monthly Average and Daily Maximum

	Cyanide (µg/L)		Fluoride (mg/L)	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
Limit	5.0	46.6	1.8	24.0
August 2019	6.8	6.8	2.0	2.0
September 2019	0.0	0.0	2.4	2.4
October 2019	5.0	10	1.7	1.7
November 2019	0.0	0.0	2.0	2.4
December 2019	5.5	26	0.92	0.92
January 2020	6.1	13	1.4	1.4
February 2020	2.9	5.8	1.8	2.3
March 2020	32	32	2.0	2.3
April 2020	0.0	0.0	1.8	1.8
May 2020	0.0	0.0	1.6	2.1
June 2020	0.0	0.0	2.2	2.4
July 2020	9.1	9.5	2.1	2.6
August 2020	0.0	0.0	2.3	2.4
September 2020	0.0	0.0	1.8	1.8
October 2020	0.0	0.0	1.2	1.2
November 2020	0.0	0.0	1.6	1.9
December 2020	0.0	0.0	1.8	1.8
January 2021	0.0	0.0	1.7	1.7
February 2021	3.7	7.3	1.5	1.5
March 2021	0.0	0.0	1.6	1.6
April 2021	8.2	9.6	1.9	2.1
May 2021	0.0	0.0	2.4	2.4
June 2021	0.0	0.0	2.2	2.5
July 2021	0.0	0.0	2.1	2.4
August 2021	4.1	10	2.2	2.4
September 2021	0.0	0.0	1.9	2.4
October 2021	0.0	0.0	1.4	1.4
November 2021	0.0	0.0	2.4	2.4
December 2021	3.6	14	2.2	2.6
January 2022	0.0	0.0	1.1	1.1
February 2022	4.7	9.3	2.0	2.2
March 2022	0.0	0.0	1.2	1.2
April 2022	0.0	0.0	1.4	1.4
May 2022	0.0	0.0	2.2	2.6
June 2022	0.0	0.0	2.6	2.8
July 2022	0.0	0.0	2.7	3.1
August 2022	0.0	0.0	2.7	2.9
September 2022	0.0	0.0	1.5	1.5
October 2022	0.0	0.0	2.7	2.7
November 2022	4.0	9.7	1.7	2.7
December 2022	0.0	0.0	1.3	1.3

Notes:

Limits based on Permit NC0004308: Effective August 1, 2019 - October 31, 2022.

Outfalls have different monitoring requirements (monthly, bi-monthly, quarterly, etc.).

Blanks indicate the outfall was not sampled that particular month.

mg/L means milligrams per liter; µg/L means micrograms per liter.

**NPDES Sample Results
Outfall 011 Monthly Average and Daily Maximum**

	Cyanide (µg/L)		Fluoride (mg/L)	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
Limit	NA	46.6	NA	24.0
August 2019	0.0	0.0	0.74	0.74
September 2019				
October 2019	6.2	6.2	0.59	0.59
November 2019				
December 2019				
January 2020	0.0	0.0	0.44	0.44
February 2020	5.4	5.4	0.48	0.48
March 2020				
April 2020	11	11	0.41	0.41
May 2020	0.0	0.0	0.43	0.43
June 2020	35	35	1.4	1.4
July 2020	0.0	0.0	0.67	0.67
August 2020				
September 2020	2.2	2.2	0.61	0.61
October 2020	17	17	0.66	0.66
November 2020	0.0	0.0	0.58	0.58
December 2020				
January 2021				
February 2021				
March 2021				
April 2021				
May 2021				
June 2021				
July 2021				
August 2021	0.0	0.0	0.69	0.69
September 2021	0.0	0.0	0.36	0.36
October 2021	0.0	0.0	0.29	0.29
November 2021				
December 2021				
January 2022	0.0	0.0	0.33	0.33
February 2022				
March 2022	38	38	1.0	1.0
April 2022	0.0	0.0	0.45	0.45
May 2022	0.0	0.0	0.55	0.55
June 2022	0.0	0.0	0.48	0.48
July 2022	0.0	0.0	0.35	0.35
August 2022				
September 2022	0.0	0.0	0.32	0.32
October 2022				
November 2022	0.0	0.0	0.0	0.0
December 2022	0.0	0.0	0.0	0.0

Notes:

Limits based on Permit NC0004308: Effective August 1, 2019 - October 31, 2022.

Outfalls have different monitoring requirements (monthly, bi-monthly, quarterly, etc.).

Blanks indicate the outfall was not sampled that particular month.

mg/L means milligrams per liter; µg/L means micrograms per liter.

NPDES Sample Results
Outfall 012 Monthly Average and Daily Maximum

	Cyanide (µg/L)		Fluoride (mg/L)	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
Limit	242.0	285.0	NA	NA
August 2019	0.0	0.0	1.3	1.3
September 2019	0.0	0.0		
October 2019	0.0	0.0	1.0	1.0
November 2019	21	21		
December 2019	8.6	8.6		
January 2020	88	88	1.1	1.1
February 2020	210	210		
March 2020	29	29		
April 2020	0.0	0.0	0.91	0.91
May 2020	0.0	0.0		
June 2020	18	18		
July 2020	0.0	0.0	0.83	0.83
August 2020	0.0	0.0		
September 2020	51	51		
October 2020	11	11	0.84	0.84
November 2020	0.0	0.0		
December 2020	0.0	0.0		
January 2021	78	78	0.87	0.87
February 2021	81	81		
March 2021	33	46	1.1	1.1
April 2021	9.4	9.4	0.72	0.72
May 2021	0.0	0.0		
June 2021	0.0	0.0		
July 2021	0.0	0.0	1.0	1.0
August 2021	6.2	6.2		
September 2021	0.0	0.0		
October 2021	9.4	9.4	0.97	0.97
November 2021	0.0	0.0		
December 2021	0.0	0.0		
January 2022	38	38	0.94	0.94
February 2022	31	31		
March 2022	44	44		
April 2022	0.0	0.0	1.1	1.1
May 2022	0.0	0.0		
June 2022	0.0	0.0		
July 2022	0.0	0.0	0.60	0.60
August 2022				
September 2022	0.0	0.0		
October 2022	0.0	0.0		
November 2022	0.0	0.0	0.0	0.0
December 2022	13	13		

Notes:

Limits based on Permit NC0004308: Effective August 1, 2019 - October 31, 2022.

Outfalls have different monitoring requirements (monthly, bi-monthly, quarterly, etc.).

Blanks indicate the outfall was not sampled that particular month.

mg/L means milligrams per liter; µg/L means micrograms per liter.

**NPDES Sample Results
Outfall 013 Monthly Average and Daily Maximum**

	Cyanide (µg/L)		Fluoride (mg/L)	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
Limit	5.0	46.6	NA	NA
August 2019	9.0	18	0.35	0.35
September 2019	0.0	0.0		
October 2019	0.0	0.0	0.43	0.43
November 2019	0.0	0.0		
December 2019	3.7	11		
January 2020	4.3	13	0.47	0.47
February 2020	0.0	0.0		
March 2020	16	16		
April 2020	0.0	0.0	0.34	0.34
May 2020	0.0	0.0		
June 2020	0.0	0.0		
July 2020	3.2	32	0.38	0.38
August 2020	0.0	0.0		
September 2020	0.0	0.0		
October 2020	0.0	0.0	0.45	0.45
November 2020	0.0	0.0		
December 2020	0.0	0.0		
January 2021	0.0	0.0	0.30	0.30
February 2021	4.8	9.5		
March 2021	0.0	0.0	0.20	0.20
April 2021	0.0	0.0	0.19	0.19
May 2021	0.0	0.0		
June 2021	0.0	0.0		
July 2021	0.0	0.0	0.33	0.33
August 2021	0.0	0.0		
September 2021	0.0	0.0		
October 2021	0.0	0.0		
November 2021	0.0	0.0	0.12	0.12
December 2021	4.1	37		
January 2022	0.0	0.0	0.25	0.25
February 2022	0.0	0.0		
March 2022	0.0	0.0		
April 2022	0.0	0.0	0.35	0.35
May 2022	0.0	0.0		
June 2022	0.0	0.0		
July 2022	0.0	0.0		
August 2022	0.0	0.0	0.94	0.94
September 2022	0.0	0.0		
October 2022	0.0	0.0		
November 2022	0.0	0.0	0.0	0.0
December 2022	0.0	0.0		

Notes:

Limits based on Permit NC0004308: Effective August 1, 2019 - October 31, 2022.

Outfalls have different monitoring requirements (monthly, bi-monthly, quarterly, etc.).

Blanks indicate the outfall was not sampled that particular month.

mg/L means milligrams per liter; µg/L means micrograms per liter.

NPDES Sample Results
Mixing Zone Sampling Location MZ1

	MZ1A		MZ1B	
	Cyanide (µg/L)	Fluoride (mg/L)	Cyanide (µg/L)	Fluoride (mg/L)
August 2019	ND	ND	ND	ND
September 2019	ND	ND	ND	ND
October 2019	ND	ND	ND	ND
November 2019	ND	ND	ND	ND
December 2019	9.0	ND	8.1	ND
January 2020	ND	ND	ND	ND
February 2020	ND	ND	ND	ND
March 2020	ND	ND	ND	ND
April 2020	ND	ND	ND	ND
May 2020	ND	ND	ND	ND
June 2020	ND	ND	ND	ND
July 2020	ND	ND	ND	ND
August 2020	ND	ND	ND	ND
September 2020	ND	ND	ND	ND
October 2020	ND	ND	ND	ND
November 2020	ND	ND	ND	ND
December 2020	ND	ND	ND	ND
January 2021	ND	0.13	ND	ND
February 2021	ND	ND	ND	ND
March 2021	ND	ND	ND	ND
April 2021	ND	ND	ND	ND
May 2021	ND	ND	ND	ND
June 2021	ND	ND	ND	ND
July 2021	ND	0.11	ND	ND
August 2021	ND	0.12	ND	ND
September 2021	ND	0.13	ND	ND
October 2021	ND	ND	ND	ND
November 2021	ND	ND	ND	0.15
December 2021	ND	0.13	ND	ND
January 2022	ND	0.14	ND	0.15
February 2022	ND	0.13	ND	ND
March 2022	ND	ND	ND	ND
April 2022	ND	0.11	ND	0.10
May 2022	ND	ND	ND	ND
June 2022	ND	ND	ND	ND
July 2022	ND	ND	ND	ND
August 2022	ND	ND	ND	ND
September 2022	ND	ND	ND	ND
October 2022	ND	ND	ND	ND
November 2022	ND	ND	12	ND
December 2022	ND	ND	ND	ND

Notes:

"A" samples are collected at the surface.

"B" samples are collected at approximately 3.5 meters below the surface.

ND means not detected at the laboratory reporting limit.

µg/L means micrograms per liter; mg/L means milligrams per liter.

NPDES Sample Results
Mixing Zone Sampling Location MZ2

	MZ2A		MZ2B	
	Cyanide (µg/L)	Fluoride (mg/L)	Cyanide (µg/L)	Fluoride (mg/L)
August 2019	ND	ND	ND	ND
September 2019	ND	ND	ND	ND
October 2019	ND	ND	ND	ND
November 2019	ND	ND	ND	ND
December 2019	ND	ND	ND	ND
January 2020	5.8	ND	5.6	ND
February 2020	ND	ND	ND	ND
March 2020	ND	ND	ND	ND
April 2020	ND	ND	ND	ND
May 2020	ND	ND	ND	ND
June 2020	ND	ND	ND	ND
July 2020	ND	ND	ND	ND
August 2020	ND	ND	ND	ND
September 2020	ND	ND	ND	ND
October 2020	ND	ND	ND	ND
November 2020	ND	ND	ND	ND
December 2020	ND	ND	ND	ND
January 2021	ND	ND	ND	ND
February 2021	7.5	ND	ND	ND
March 2021	ND	ND	ND	ND
April 2021	ND	ND	ND	ND
May 2021	ND	ND	ND	ND
June 2021	ND	ND	ND	ND
July 2021	ND	0.11	ND	0.11
August 2021	ND	0.10	ND	0.10
September 2021	ND	ND	ND	ND
October 2021	ND	ND	ND	ND
November 2021	ND	0.11	ND	ND
December 2021	ND	ND	ND	ND
January 2022	ND	0.11	ND	0.13
February 2022	ND	ND	ND	ND
March 2022	ND	ND	ND	ND
April 2022	ND	ND	ND	0.11
May 2022	ND	ND	ND	ND
June 2022	ND	ND	ND	ND
July 2022	ND	ND	ND	ND
August 2022	ND	ND	ND	ND
September 2022	ND	ND	ND	ND
October 2022	ND	ND	ND	ND
November 2022	9.7	ND	8.9	ND
December 2022	ND	ND	ND	ND

Notes:

"A" samples are collected at the surface.

"B" samples are collected at approximately 3.5 meters below the surface.

ND means not detected at the laboratory reporting limit.

µg/L means micrograms per liter; mg/L means milligrams per liter.

NPDES Sample Results
Mixing Zone Sampling Location MZ3

	MZ3A		MZ3B	
	Cyanide (µg/L)	Fluoride (mg/L)	Cyanide (µg/L)	Fluoride (mg/L)
August 2019	ND	ND	ND	ND
September 2019	ND	ND	ND	ND
October 2019	ND	ND	ND	ND
November 2019	ND	ND	ND	ND
December 2019	ND	ND	8.9	ND
January 2020	7.5	ND	ND	ND
February 2020	ND	ND	8.1	ND
March 2020	ND	ND	ND	ND
April 2020	ND	ND	ND	ND
May 2020	ND	ND	ND	ND
June 2020	ND	ND	ND	ND
July 2020	ND	ND	ND	ND
August 2020	ND	ND	ND	ND
September 2020	ND	ND	ND	ND
October 2020	ND	ND	ND	ND
November 2020	ND	ND	ND	ND
December 2020	ND	ND	ND	ND
January 2021	ND	ND	ND	ND
February 2021	ND	ND	ND	ND
March 2021	ND	ND	ND	ND
April 2021	ND	ND	ND	ND
May 2021	ND	ND	ND	ND
June 2021	ND	ND	ND	ND
July 2021	ND	ND	ND	ND
August 2021	ND	0.10	ND	ND
September 2021	ND	ND	ND	ND
October 2021	ND	ND	ND	ND
November 2021	ND	ND	ND	0.11
December 2021	9.1	ND	10	ND
January 2022	ND	ND	ND	ND
February 2022	ND	ND	ND	ND
March 2022	ND	ND	ND	ND
April 2022	ND	ND	ND	ND
May 2022	ND	ND	ND	ND
June 2022	ND	ND	ND	ND
July 2022	ND	ND	ND	ND
August 2022	ND	ND	ND	ND
September 2022	ND	ND	ND	ND
October 2022	ND	ND	ND	ND
November 2022	ND	ND	ND	ND
December 2022	ND	ND	ND	ND

Notes:

"A" samples are collected at the surface.

"B" samples are collected at approximately 3.5 meters below the surface.

ND means not detected at the laboratory reporting limit.

µg/L means micrograms per liter; mg/L means milligrams per liter.