

# ANALYTICAL REPORT

Client: Lake Sinissippi Improvement District  
 Attn: Dave Behl  
 PO Box 89  
 Hustisford, WI 53034

NLS Project: 340862

NLS Customer: 107350

Phone: 815 219 9270

Project: 16-777

Hwy S Bridge NLS ID: 1177462

COC: 215337:1 Matrix: SW

Collected: 03/09/20 00:00 Received: 03/11/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	2.3	mg/L	1			03/11/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	[0.079]	mg/L	1	0.027	0.090	03/18/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	2.6	mg/L	1	0.030	0.10	03/17/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	1.2	mg/L	2	0.20	0.70	03/13/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.11	mg/L	1	0.0060	0.020	03/13/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	7.6	mg/L	.714	1.4*		03/12/20	2540 D-1997	721026460

Hustisford Dam NLS ID: 1177463

COC: 215337:2 Matrix: SW

Collected: 03/09/20 00:00 Received: 03/11/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	2.6	mg/L	1			03/11/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	ND	mg/L	1	0.027	0.090	03/18/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	2.7	mg/L	1	0.030	0.10	03/17/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	1.0	mg/L	2	0.20	0.70	03/13/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.084	mg/L	1	0.0060	0.020	03/13/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	8.2	mg/L	.714	1.4*		03/12/20	2540 D-1997	721026460

Dead Creek NLS ID: 1177464

COC: 215337:3 Matrix: SW

Collected: 03/09/20 00:00 Received: 03/11/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	3.3	mg/L	1			03/11/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	0.24	mg/L	1	0.027	0.090	03/18/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	3.6	mg/L	1	0.030	0.10	03/17/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	1.5	mg/L	2	0.20	0.70	03/13/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.26	mg/L	1	0.0060	0.020	03/13/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	27	mg/L	.714	1.4*		03/12/20	2540 D-1997	721026460

Hwy S Springs NLS ID: 1177465

COC: 215337:4 Matrix: SW

Collected: 03/09/20 00:00 Received: 03/11/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	3.6	mg/L	1			03/11/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	0.17	mg/L	1	0.027	0.090	03/18/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	4.1	mg/L	1	0.030	0.10	03/17/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	1.6	mg/L	2	0.20	0.70	03/13/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.47	mg/L	1	0.0060	0.020	03/13/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	43	mg/L	1	2.0*		03/12/20	2540 D-1997	721026460

**NORTHERN LAKE SERVICE, INC.**  
 Analytical Laboratory and Environmental Services  
 400 North Lake Avenue - Crandon, WI 54520  
 Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460  
 WDATCP Laboratory Certification No. 105-330  
 EPA Laboratory ID No. WI00034

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 Attn: Dave Behl  
 PO Box 89  
 Hustisford, WI 53034

**NLS Project:** 340862  
**NLS Customer:** 107350  
 Phone: 815 219 9270

**Project:** 16-777

Horicon Golf NLS ID: 1177466

COC: 215337:5 Matrix: SW

Collected: 03/09/20 00:00 Received: 03/11/20

Notes: Sample received did not meet pH preservation requirement of <2 s.u. An additional aliquot of acid was added to sample upon receipt at laboratory and sample then met pH requirement.

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	3.2	mg/L	1			03/11/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	0.13	mg/L	1	0.027	0.090	03/18/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	1.6	mg/L	1	0.030	0.10	03/17/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	1.2	mg/L	1	0.10	0.35	03/13/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.29	mg/L	1	0.0060	0.020	03/13/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	53	mg/L	1.25	2.5*		03/12/20	2540 D-1997	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(\*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content.

ND = Not Detected (< LOD)    LOD = Limit of Detection    LOQ = Limit of Quantitation    NA = Not Applicable  
 DWB = Dry Weight Basis    %DWB = (mg/kg DWB) / 10000    1000 ug/L = 1 mg/L  
 MCL = Maximum Contaminant Levels for Drinking Water Samples.    Shaded results indicate >MCL.

Reviewed by:



Authorized by:  
 R. T. Krueger  
 President