

# ANALYTICAL REPORT

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

**NLS Project:** 348337  
**NLS Customer:** 107350  
 Phone: 815 219 9270  
 PO # 16-777

**Project:** Surface Water

**Hwy S Bridge NLS ID: 1199095**

COC: 215337:1 Matrix: SW

Collected: 07/13/20 16:30 Received: 07/15/20

Notes: Noncompliance: Sample received at 14.9 degrees C, which is above WDNR protocol of 6 degrees C.

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	10	mg/L	1			07/15/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	0.10	mg/L	1	0.027	0.090	07/17/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	0.62	mg/L	1	0.040	0.14	07/22/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	3.0	mg/L	2	0.20	0.70	07/21/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.23	mg/L	1	0.0060	0.020	07/16/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	39	mg/L	1.852	3.7*		07/16/20	2540 D-1997	721026460

**Hustisford Dam NLS ID: 1199096**

COC: 215337:2 Matrix: SW

Collected: 07/13/20 16:30 Received: 07/15/20

Notes: Noncompliance: Sample received at 14.9 degrees C, which is above WDNR protocol of 6 degrees C.

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	14	mg/L	1			07/15/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	[0.059]	mg/L	1	0.027	0.090	07/17/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	[0.074]	mg/L	1	0.040	0.14	07/22/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	4.5	mg/L	2	0.20	0.70	07/21/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.44	mg/L	1	0.0060	0.020	07/16/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	64	mg/L	3.226	6.5*		07/16/20	2540 D-1997	721026460

**Dead Creek NLS ID: 1199097**

COC: 215337:3 Matrix: SW

Collected: 07/13/20 16:30 Received: 07/15/20

Notes: Noncompliance: Sample received at 14.9 degrees C, which is above WDNR protocol of 6 degrees C.

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	3.0	mg/L	1			07/15/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	0.38	mg/L	1	0.027	0.090	07/17/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	0.96	mg/L	2	0.080	0.28	07/22/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	2.1	mg/L	1	0.10	0.35	07/21/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.49	mg/L	1	0.0060	0.020	07/16/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	18	mg/L	1.429	2.9*		07/16/20	2540 D-1997	721026460

**Hwy S Springs NLS ID: 1199098**

COC: 215337:4 Matrix: SW

Collected: 07/13/20 16:30 Received: 07/15/20

Notes: Noncompliance: Sample received at 14.9 degrees C, which is above WDNR protocol of 6 degrees C.

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	20	mg/L	1			07/15/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	[0.046]	mg/L	1	0.027	0.090	07/17/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	ND	mg/L	1	0.040	0.14	07/28/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	3.5	mg/L	1	0.10	0.35	07/21/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.30	mg/L	1	0.0060	0.020	07/16/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	85	mg/L	2.5	5.0*		07/16/20	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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**Client:** Lake Sinissippi Improvement District  
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**NLS Project:** 348337  
**NLS Customer:** 107350  
 Phone: 815 219 9270  
 PO # 16-777

**Project:** Surface Water

Horicon Gulf NLS ID: 1199099

COC: 215337:5 Matrix: SW

Collected: 07/13/20 16:30 Received: 07/15/20

Notes: Noncompliance: Sample received at 14.9 degrees C, which is above WDNR protocol of 6 degrees C.

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	<2	mg/L	1			07/15/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	[0.034]	mg/L	1	0.027	0.090	07/17/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	2.2	mg/L	5	0.20	0.70	07/22/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	0.96	mg/L	1	0.10	0.35	07/21/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.16	mg/L	1	0.0060	0.020	07/16/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	30	mg/L	1	2.0*		07/16/20	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