

ANALYTICAL REPORT

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

NLS Project: 301301

NLS Customer: 107350

Phone: 815 219 9270

PO # 16-777

Project: 16-777

Hwy S Bridge NLS ID: 1060771

COC: 215337:1 Matrix: SW

Collected: 06/12/18 16:05 Received: 06/13/18

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	13	mg/L	1			06/13/18	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	0.13	mg/L	1	0.027	0.090	06/18/18	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	[0.072]	mg/L	1	0.025	0.075	06/14/18	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	3.3	mg/L	1	0.10	0.33	06/20/18	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.24	mg/L	1	0.0070*		06/14/18	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	66	mg/L	1	1.0*		06/14/18	2540 D-1997	721026460

Hustisford Dam NLS ID: 1060772

COC: 215337:2 Matrix: SW

Collected: 06/12/18 16:05 Received: 06/13/18

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	8.3	mg/L	1			06/13/18	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	[0.081]	mg/L	1	0.027	0.090	06/18/18	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	0.096	mg/L	1	0.025	0.075	06/14/18	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	3.3	mg/L	1	0.10	0.33	06/20/18	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.15	mg/L	1	0.0070*		06/14/18	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	75	mg/L	1	1.0*		06/14/18	2540 D-1997	721026460

Dead Creek NLS ID: 1060773

COC: 215337:3 Matrix: SW

Collected: 06/12/18 16:05 Received: 06/13/18

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	mg/L	1			06/13/18	5210 B-2001	721026460
A "less than" result is given due to WDNR theoretically calculated Reporting Limit (RL).								
Nitrogen, ammonia as N (unfiltered)	0.40	mg/L	1	0.027	0.090	06/18/18	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	2.0	mg/L	1	0.025	0.075	06/14/18	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	2.1	mg/L	1	0.10	0.33	06/20/18	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.29	mg/L	1	0.0070*		06/14/18	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	21	mg/L	1	1.0*		06/14/18	2540 D-1997	721026460

Hwy S Springs NLS ID: 1060774

COC: 215337:4 Matrix: SW

Collected: 06/12/18 16:05 Received: 06/13/18

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	<3	mg/L	1			06/13/18	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	0.12	mg/L	1	0.027	0.090	06/18/18	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	5.0	mg/L	5	0.13	0.38	06/14/18	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	0.99	mg/L	1	0.10	0.33	06/20/18	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.21	mg/L	1	0.0070*		06/14/18	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	8.3	mg/L	1	1.0*		06/14/18	2540 D-1997	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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ANALYTICAL REPORT

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

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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