

ANALYTICAL REPORT

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

NLS Project: 323987

NLS Customer: 107350

Phone: 815 219 9270

PO # 16-777

Project: 16-777

Hwy S Bridge NLS ID: 1128734

COC: :1 Matrix: SW

Collected: 06/18/19 16:30 Received: 06/19/19

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	10	mg/L	1			06/19/19	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	[0.060]	mg/L	1	0.027	0.090	06/25/19	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	0.31	mg/L	1	0.030	0.10	06/21/19	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	2.8	mg/L	1	0.10	0.35	06/20/19	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.23	mg/L	1	0.0060	0.020	06/20/19	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	51	mg/L	5	10*		06/20/19	2540 D-1997	721026460

Hustisford Dam NLS ID: 1128735

COC: :2 Matrix: SW

Collected: 06/18/19 16:30 Received: 06/19/19

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	14	mg/L	1			06/19/19	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	[0.071]	mg/L	1	0.027	0.090	06/25/19	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	[0.032]	mg/L	1	0.030	0.10	06/21/19	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	2.8	mg/L	1	0.10	0.35	06/20/19	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.28	mg/L	1	0.0060	0.020	06/20/19	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	61	mg/L	5	10*		06/20/19	2540 D-1997	721026460

Dead Creek NLS ID: 1128736

COC: :3 Matrix: SW

Collected: 06/18/19 16:30 Received: 06/19/19

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	<3	mg/L	1			06/19/19	5210 B-2001	721026460
A "less than" result is given due to WDNR theoretically calculated Reporting Limit (RL).								
Nitrogen, ammonia as N (unfiltered)	0.22	mg/L	1	0.027	0.090	06/25/19	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	2.5	mg/L	1	0.030	0.10	06/21/19	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	1.6	mg/L	1	0.10	0.35	06/20/19	EPA 351.2, Rev 2	721026460
Matrix spike recovery was outside of 90-110% method control but within in-house 73-135% QC limits at 117%.								
Phosphorus, tot. as P	0.32	mg/L	1	0.0060	0.020	06/20/19	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	26	mg/L	5	10*		06/20/19	2540 D-1997	721026460

Hwy S Springs NLS ID: 1128737

COC: :4 Matrix: SW

Collected: 06/18/19 16:30 Received: 06/19/19

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	<2	mg/L	1			06/19/19	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	0.21	mg/L	1	0.027	0.090	06/25/19	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	6.0	mg/L	5	0.15	0.50	06/21/19	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	0.92	mg/L	1	0.10	0.35	06/24/19	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.24	mg/L	1	0.0060	0.020	06/20/19	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	38	mg/L	5	10*		06/20/19	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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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