



January 24, 2018

Wisconsin Department of Natural Resources 101 South Webster Street Madison, WI 53707-7921

Re: Village of Mount Horeb Future Effluent Phosphorus Limit

To Whom It May Concern:

In anticipation of a more stringent phosphorus effluent limit in a future Wisconsin Pollutant Discharge Elimination System (WPDES) permit, we are submitting the enclosed Notice of Intent to Conduct Water Quality Trading on the behalf of the Village of Mount Horeb (Village). The Village wishes to register water quality trades that will result from the improvements being undertaken as part of the current Water Pollution Control Facility (WPCF) Improvements Project. The WPCF Improvements Project is ongoing and the resulting site improvements (as noted on the enclosed Notice of Intent) will ultimately lead to water quality improvements, when compared to the existing site conditions.

The WPDES permit that the Village is operating under is expired and a new WPDES permit has not yet been issued. Compliance with a future stringent phosphorus limit (and the need for trades) will likely not be required for several years (pending reissuance of a new WPDES permit and associated compliance schedule for stringent phosphorus limits). Water quality trading may be a cost-effective compliance alternative that the Village pursues. As such, the Village wishes to register these trades so they are available when compliance with the more stringent effluent phosphorus limit is required.

Please contact me with any questions.

Sincerely,

STRAND ASSOCIATES, INC.®

Randy Langer, P.E.

Enclosures

c/enc.: John Klein, Village of Mount Horeb

State of Wisconsin Department of Natural Resources 101 South Webster Street Madison WI 53707-7921 dnr.wi.gov

## **Notice of Intent to Conduct Water Quality Trading**

Form 3400-206 (1/14)

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Notice: Pursuant to s. 283.84, Wis. Stats., and ch. NR 217 Wis. Adm. Code, this form must be completed by any WPDES permittee that is using water quality trading as a method of complying with a permit limitation. Failure to complete this form would not result in penalties. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.).

2447 Sand Rock Road Project Contact Name (if applicable)   Address   City   Mount Horeb   WI   53572   ZIP Code   South Horeb   South Horeb Horeb Horeb   South Horeb Horeb   South Horeb Horeb Horeb Horeb Horeb Horeb   South Horeb Horeb Horeb   South Horeb Ho	Applicant Infor	mation	CAS.					<b>RU 16</b>		MATCH STO
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Address				WI- 0020281-07-0						
Project Contact Name (if applicable) John Klein Project Name Water Pollution Control Facility Improvements Water Quality Trading Receiving Water Name Water Pollution of the Sugar River West Branch of the Sugar River Is the permittee in a point or nonpoint source dominated watershed? (See PRESTO results - http://dnr.wi.gov/topic/surfacewater/presto.html)  Permitted Discharge (non-MS4/CAFO) Permitted MS4 Permitted CAFO Are any of the credit generators in a different HUC 12 than the applicant? Will a broker/exchange be used to facilitate trade? Will a broker/exchange be used to facilitate trade? Name  Permitt Number Name  Contact Address  Is the permit Number Name  Contact Address  State WI ZIP Code 53572  ZIP Code 546 247 Sand Receving Below 64	Facility Address									
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Water Pollution Control Facility Improvements Water Quality Trading Receiving Water Name					Mount Horeb WI 53572			53572		
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West Branch of the Sugar River   Phosphorus   070900040102					Trading			**		
Is the permittee in a point or nonpoint source dominated watershed? (See PRESTO results - http://dnr.wi.gov/topic/surfacewater/presto.html)  Credit Generator Information  Credit generator type (select all that apply):  Permitted MS4 Permitted MS4 Permitted CAFO Are any of the credit generators in a different HUC 12 than the applicant?  Are any of the credit generators downstream of the applicant?  Are any of the credit generators downstream of the applicant?  Yes No Unsure  Will a broker/exchange be used to facilitate trade?  Point to Point Trades (Traditional Municipal / Industrial Discharge, MS4, CAFO)  Is the point source dominated Nonopoint source discharge Agricultural nonpoint source discharge Noter-Specify:  No Unsure  Point to Point Trades (Traditional Municipal / Industrial Discharge, MS4, CAFO)  Is the point source credit generator currently in compliance with their permit requirements?  Traditional NS4  NS4  CAFO  Traditional NS4	to accommodate and the confidence of									
See PRESTO results - http://dnr.wi.gov/topic/surfacewater/presto.html)   Traditional   Permit Number   Permi										
Credit Generator Information         Credit generator type (select all that apply):       Permitted Discharge (non-MS4/CAFO)       ✓ Urban nonpoint source discharge         Agricultural nonpoint source discharge       ✓ Agricultural nonpoint source discharge         Other - Specify:         Are any of the credit generators in a different HUC 12 than the applicant?       ✓ Yes; HUC 12:         No       Unsure         Are any of the credit generators downstream of the applicant?       ✓ Yes         No       Unsure         Will a broker/exchange be used to facilitate trade?       ✓ Yes; Name:         No       Unsure         Point to Point Trades (Traditional Municipal / Industrial Discharge, MS4, CAFO)         Discharge Type       Permit Number       Name         Contact Address       Is the point source credit generator currently in compliance with their permit requirements?         Traditional       ✓ Yes         MS4       ✓ No         CAFO       No         Traditional       ✓ Yes         MS4       ✓ No         O Traditional       ✓ Yes         MS4       ✓ No         O Traditional       ✓ Yes         No       ✓ No			Discontinuity of the continuity of the continuit							
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								Yes		
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Form 3400-206 (1/14)

Point to Nonpoint Trades (Non-permitted Agricultural, Non-Permitted Urban, etc.)
List the practices that will be used to generate credits:  There are four sites for credit generation outlined below, with a fifth site being considered.
(1) The streambank along the west side of the the existing wastewater treatment facility (2447 Sand Rock Road) will be restored.
(2) The new north facility (2450 Sand Rock Road) will be constructed on agricultural land, taking the land out of production. Storm water from the majority of the site will be directed to a bioinfiltration basin. Perennial vegetation will be established in the remaining areas.
(3) A bioretention basin will be constructed on the existing WWTP site, which will receive most of the stormwater runof from the site.
(4)The streambank near the existing sewer line just south of the highway US-18 and next to Sand Rock Road has been restored to prevent the stream from encroaching onto the existing site and sewer.
(5) The Village is also considering taking agricultural land north east of the existing treatment facility out of production and turning a portion into a dog park and the remaining land to perennial grass.
*See additional information in cover letter.
Method for quantifying credits generated:  Monitoring  Modeling, Names: SLAMM  Other:
Projected date credits will be available: 05/01/2019
The preparer certifies all of the following:
<ul> <li>I am familiar with the specifications submitted for this application, and I believe all applicable items in this checklist have been</li> </ul>
<ul> <li>addressed.</li> <li>I have completed this document to the best of my knowledge and have not excluded pertinent information.</li> </ul>
Date Signed
Signature of Preparer/ Rauch Scurger  Date Signed  1/24/18
Authorized Representative Signature

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering and entering the information, the information is, to the best of my knowledge and belief, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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Signature of Authorized Representative	Date Signed



## Mount Horeb Water Pollution Control facility Improvements Water Quality Trading Sites



## Legend

12-digit HUCs (Subwatersheds)

Municipality

State Boundaries

County Boundaries

Major Roads

Interstate Highway

State Highway

US Highway

County and Local Roads

County HWY

\_\_\_ Local Road

Railroads

Tribal Lands

Rivers and Streams

Intermittent Streams

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Lakes and Open water

Index to EN\_Image\_Basemap\_Leaf\_ Off

0.5 0 0.25 0.5 Miles

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1: 15,840

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