

Notice: Pursuant to s. NR 217.18, Wis. Adm. Code, this form must be completed and submitted to the Department at the time of the reissuance of an existing WPDES (Wisconsin pollutant discharge elimination system) permit to request adaptive management for phosphorus water quality based effluent limits (WQBEL). Failure to provide all requested information may result in denial of your request. Personal information collected will be used for administrative purposes and may be provided to requestors to the extent required by Wisconsin Open Records law [ss. 19.31-19.39, Wis. Stats.].

Type of Request: <input checked="" type="radio"/> This is the formal adaptive management request as required in s. NR 217.18(2) <input type="radio"/> This is a preliminary adaptive management request (to be submitted as part of facility planning.)

Facility and Permit Information			
Facility Name		WPDES Permit No.	
Dane Iowa Wastewater Commission Wastewater Treatment Facility		WI- 0 0 4 9 8 1 6	
Facility Address	City	State	ZIP Code
5745 Mahocker Road	Mazomanie	WI	53560
Receiving Water			
Black Earth Creek in Black Earth Creek Watershed (LW17) of the Lower Wisconsin River Basin			

Owner Contact Information			
Last Name	First	MI	Phone No. (incl. area code)
Sroda	Brian		(608) 795-0024
Street Address			FAX Number
5745 Mahocker Road			(608) 795-0051
City	State	ZIP Code	E-mail address
Mazomanie	WI	53560	bsroda@centurytel.net

Facility Information			
Required for AM Request	Wis. Administrative code Reference	Conclusion	Evidence/Source of Information (attach as needed)
1. NPS contribute at least 50% of total P contribution	s. NR 217.18(2)(b)	<input checked="" type="radio"/> NPS contributes at least 50% <input type="radio"/> NPS DOES NOT contribute at least 50%	
2. WQBEL Requires Filtration	s. NR 217.18(2)(c)	<input checked="" type="radio"/> Filtration required <input type="radio"/> Filtration NOT required	
3. AM Plan	s. NR 217.18(2)(d)	<input checked="" type="radio"/> Plan is Included - Page 3 <input type="radio"/> Plan is NOT Included <i>For a preliminary adaptive management request, AM plan not required</i>	

Facility Operation and Performance
1. Current P removal capability – If the facility is currently required by a WPDES permit to monitor effluent phosphorus (P) provide a summary of the influent and effluent annual average P concentrations for each of the past three (3) years. If permit required P data is not available, the applicant should provide any other P data that may be applicable and available. If no data is available, the Department may estimate the P effluent concentration by based on data from other similar facilities 2013 Average Influent Phosphorus Concentration= 6.78 mg/L 2014 Average Influent Phosphorus Concentration= 6.03 mg/L 2015 Average Influent Phosphorus Concentration= 6.97 mg/L 2013 Average Effluent Phosphorus Concentration= 0.54 mg/L 2014 Average Effluent Phosphorus Concentration= 0.27 mg/L 2015 Average Effluent Phosphorus Concentration= 0.72 mg/L

2. **Facility Operation** - Provide a summary description of overall facility operation. If not a continuously discharging facility, describe storage procedures and the time periods when effluent discharge occurs
 The WWTF, constructed in 1998, includes preliminary treatment (influent screening, flow metering, and sampling), an activated sludge oxidation ditch with enhanced biological phosphorus removal, final clarification, UV disinfection, reoxygenation, and effluent flow metering and sampling. Waste activated sludge (WAS) is combined with hauled sludge from Cross Plains in sludge holding tanks, fed to a belt filter press for dewatering, and treated through lime stabilization to produce Class A exceptional quality biosolids. Filtrate from the belt filter press is equalized prior to pumping to the head of the WWTF. Refer to AM Plan Section 1.2.
3. **Previous Studies** - Reference or attach any facility planning or evaluation study that evaluated facility performance capabilities
 Note - Only include studies that are recent, within 5 years, or otherwise applicable for the evaluation of the existing facility and current conditions).
 No facilities planning or evaluation study in the last 5 years.

Adaptive Management Plan (s. NR 217.18(d))9.25

This section should summarize the Adaptive Management Plan for internal and external review. A complete Adaptive Management Plan should be attached. Note: If this is a preliminary adaptive management request, this section is not required.

Watershed	Percent Contribution of Applicant Discharge
Black Earth Creek Watershed	4.3%

Action Area (include map)

The initial action area is located within HUC 12# 070700050504, but may expand outside this HUC #12 in the future to target additional phosphorus reductions. Refer to AM Plan Section 2.1.

Watershed Characteristics and Timeline Justification

The BEC watershed has a drainage area of 103 square miles with 75 total stream miles. Land use in the watershed is dominated by agricultural (43% of total) and forested lands (37% of total.) Refer to AM Plan Section 5.10 for implementation schedule.

Key Proposed Actions

Stream bank restoration and harvestable buffer. Refer to AM Plan Section 4.2.

Key Goals and Measures for Determining Effectiveness

For the first permit term, the Dane Iowa Commission plans to target at least 81 pounds of phosphorus per year. Load reductions from each management measure will be modeled using SNAP-Plus, and other modeling software as necessary. Management measures will be verified once per permit term after initial establishment has been verified. Refer to AM Plan Section 5.

Watershed Adaptive Management Request

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Partner(s)

Dane County Land and Water Resources Department. Refer to AM Plan Section 4.1.

Funding Sources

The Dane Iowa Wastewater Commission will assume sole financial responsibility for adaptive management, but additional funding sources will be explored. Refer to AM Plan Section 6.2.

Adaptive Management Request and Certification

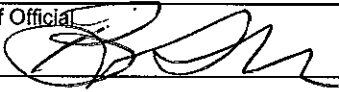
Based on the information provided, I am requesting the Watershed Adaptive Management option to achieve compliance with phosphorus water quality standards in accordance with s. NR 217.19, Wis. Adm. Code.

I certify that the information provided with this request is true, accurate and complete to the best of my knowledge.

Print or type name of person submitting request*

Brian Sroda

Signature of Official



Title

WWTP Superintendent

Date Signed

1-18-17