



# Reauthorization of Wisconsin's Multi-discharger Phosphorus Variance

*Initial Stakeholder Outreach Document*

*This document is intended to initiate consultation with interested parties and WPDES permittees subject to phosphorus water quality-based effluent limits in accordance with s. 283.16(3)(a), Wis. Stats.*

*Wisconsin Department of Administration*

*Wisconsin Department of Natural Resources*

*10/10/2023*

## Summary

Wisconsin's phosphorus multi-discharger variance (MDV) was first approved by the United States Environmental Protection Agency (EPA) on February 6, 2017. The variance package, including justification and variance provisions, was the result of efforts by numerous water quality stakeholders, state agencies, and legislators that occurred from 2013 to 2016.

The MDV is intended to cover multiple point source dischargers across the state. Wisconsin Pollutant Discharge Elimination System (WPDES) permittees may seek coverage under the MDV to extend the timeline for compliance with low-level phosphorus effluent limits, provided MDV eligibility criteria are met. All facilities covered under the MDV are required to make a phosphorus offset via a watershed project, meet interim effluent limits for total phosphorus, and work to optimize treatment measures to reduce phosphorus discharges with the goal of achieving compliance with the phosphorus water quality criteria.

| Phosphorus Criteria<br>(s. NR 102.06, Wis. Adm Code) |
|--|
| Rivers: 100 ug/L                                     |
| Streams: 75 ug/L                                     |
| Reservoirs: 30 - 40 ug/L                             |
| Lakes: 15 - 40 ug/L                                  |

Figure 1: Phosphorus Criteria Adopted Under 2010 Rule

For more information about specific aspects of the MDV, please refer to the Program Policy for Implementing Wisconsin's Multi-Discharger Variance for Phosphorus, available at the following webpage:

<https://dnr.wisconsin.gov/topic/Wastewater/phosphorus/StatewideVariance.html>

The MDV was approved by EPA for an initial 10-year period. Section 283.16 of the Wisconsin Statutes allows the MDV to apply to a given permittee for up to four 5-year permit terms, if eligibility criteria are met on a discharger-specific basis. Roughly 158 WPDES permittees have utilized the MDV to avoid economic hardship and make stepwise phosphorus reductions in effluent and nonpoint sources. When considering the statutory duration, number of permittees currently covered, and environmental outcomes achieved to date, the Department of Administration (DOA) and DNR have opted to pursue an early reapproval of the MDV, prior to the February 2027 expiration date.

Section 283.16 (3), Wis. Stats. outlines the Wisconsin-required reauthorization process relative to making the determination that phosphorus effluent limits result in substantial and widespread adverse social and economic impacts. An initial determination to that effect was made in 2015 and supported the existing MDV's justification. Prior to seeking reapproval of the variance from the Environmental Protection Agency (EPA), the DOA and DNR must evaluate whether the initial, 2015 determination remains accurate. In summary, the following question is applicable: Would achieving compliance with water quality-based effluent limitations (WQBEL) for phosphorus based on criteria without a variance continue to result in substantial and widespread adverse social and economic impacts?

DOA will publish an updated MDV determination document evaluating the answer to the above question.

The initial determination document is available [here](#). Key updates will involve the most recently available economic information such as revised sewer user rates, site-specific compliance costs, and secondary indicator scores. These updated values can be compared to initially-assumed values in the [2015 Economic Impact Analysis](#) completed by ARCADIS, Sycamore Advisors, and University of Massachusetts. This document, hereafter referred to as the 2015 EIA Report, informed the initial determination by projecting compliance costs and calculating associated economic impacts.

After five years of implementing the MDV, DNR has received site-specific information on compliance options and costs, which are included in MDV applications. Information regarding limitations of existing phosphorus treatment equipment is also made available from permittees applying for MDV coverage. This site-specific information is valuable for updating the 2015 determination as part of the proposed MDV renewal. In some cases, WQBELs have been relaxed due to establishment of Total Maximum Daily Loads (TMDLs). Therefore, an updated statewide assessment of applicable WQBELs is included as part of the evaluation. New information about optimization of phosphorus removal is available as well, which will be used to determine if lower effluent limits can be attained without a major facility upgrade and associated economic impacts.

This document provides an initial summary of relevant information currently available to DOA and DNR. Appendix A contains phosphorus-related information for every municipal and industrial wastewater facility in the State that currently discharges to surface water under an individual WPDES permit. Relevant updated information includes applicable phosphorus WQBELs and phosphorus compliance status. The information will be used to draft a report which evaluates if the original economic determination remains accurate. Appendices B through G contain updated secondary indicator scores for each county across all categories of discharger type. Appendix C contains detailed information regarding nonpoint source phosphorus reductions achieved through the county payment offset system.

**DOA and DNR are currently soliciting input regarding the accuracy and completeness of the information contained in this document. Please direct responses to this document to the following:**

Via Email:

[DOAPhosphorus@wisconsin.gov](mailto:DOAPhosphorus@wisconsin.gov)

Via Mail:

Wisconsin DOA – Attn: Agriculture, Environment and Justice Team  
101 E Wilson St Ste 10  
Madison, WI 53703

Responses are requested by December 1<sup>st</sup>, 2023.

# Contents

|   |    |
|---|----|
| Summary .....   | 2  |
| Supporting Narrative.....   | 5  |
| Section 1.1: MDV Background & Highest Attainable Condition .....  | 5  |
| Section 1.2: Phosphorus Water Quality-Based Effluent Limits.....  | 6  |
| Section 1.3: Watershed-based Compliance Alternatives.....   | 9  |
| Section 1.4: Treatment Technology.....  | 11 |
| Steps in the Reapproval Process .....   | 14 |
| Section 2.1: Report under s. 283.16(3), Wis. Stats. ....  | 14 |
| Section 2.3: Subsequent Statutory Steps and Public Comment .....  | 15 |
| Section 2.4: Variance submittal to EPA.....   | 15 |
| Phosphorus Planning Outcomes Description (Appendix A Supplement) .....                                  | 16 |
| Appendix A. Facility-specific Information Table .....   | 17 |
| Appendix B. Secondary Indicator Scores for Municipal POTWs .....  | 42 |
| Appendix C. Secondary Indicator Scores for Cheese Manufacturers .....                                   | 45 |
| Appendix D. Secondary Indicator Scores for Food Processors .....  | 48 |
| Appendix E. Secondary Indicator Scores for the Paper Industry .....                                     | 51 |
| Appendix F. Secondary Screeners for Aquaculture .....   | 54 |
| Appendix G. Secondary Indicator Scores for NCCW and Industrial Discharges in the “Other” Category ..... | 57 |
| Appendix H: MDV Implemented Practice Totals - Approved Reports .....                                    | 60 |

## Supporting Narrative

### Section 1.1: MDV Background & Highest Attainable Condition

Since December 2010, DNR has been evaluating the need for phosphorus WQBELs in WPDES permits to comply with numeric phosphorus criteria. Many point sources face restrictive phosphorus limitations as a result of these criteria. Pursuant to s. NR 217.13 Wis. Adm. Code, many phosphorus WQBELs were set equal to the phosphorus criteria, shown in Figure 1 (page 2). Compliance with these restrictive WQBELs frequently requires substantial capital investments, yet treatment may only target a small fraction of the total phosphorus loading entering many Wisconsin surface waters. Nonpoint source phosphorus loadings frequently contribute the majority of phosphorus to Wisconsin's waters. However, in some effluent-dominated streams, and in many systems during dry weather conditions, point sources of phosphorus may be a larger contributor to phosphorus impairment.

The concept of an MDV is attractive for a number of reasons – both economic and environmental. DNR has extensive experience working with EPA to grant individual variances in accordance with s. 283.15 Wis. Stats. While individual variances may be an option for some permittees, the MDV offers administratively streamlined application processing, saving considerable staff time at DNR and EPA. Pollution minimization efforts for the MDV are made clear upfront and combined across a large area, rather than limited to site-specific pollutant reductions. An economy of scale is achieved for nonpoint source pollution control projects, which indicates an MDV will result in better environmental outcomes.

In 2022, the Department completed a review of the first 5-year implementation period of the MDV, as required under s. 283.16(3m), Wis. Stats. The purpose of the review was to evaluate pollution reductions achieved by the MDV and determine whether they are consistent with highest attainable condition (HAC) requirements found in federal code at 40 CFR 131.14. The evaluation includes a summary of all facilities covered under the MDV, interim effluent limitations assigned to those facilities, and nonpoint source phosphorus reductions funded by the MDV. The evaluation document is available for download [here](#).

Only two years of county payment outcomes could be evaluated during the HAC review, due to the 26-month planning and reporting timeline at s. 283.16(8)(b), Wis. Stats. Additional evaluation of nonpoint reductions achieved to date, as well as projected nonpoint reductions for the coming years, will need to be considered as part of the reauthorization process.

As demonstrated by the findings included in the HAC document, DNR and water quality stakeholders continue to see the MDV as an appropriate and viable tool to reduce point and nonpoint source phosphorus pollution in waters of the state. The environmental outcomes associated with the MDV are positive, and numerous landscape-level benefits are realized by investing in sustainable agricultural practices (e.g., enhanced soil health, reduced flooding, increased carbon sequestration). For these reasons, DNR and DOA have begun the process to pursue a timely federal reapproval to authorize use of the MDV for a period of time extending beyond 2027.

## Section 1.2: Phosphorus Water Quality-Based Effluent Limits

As previously stated, many dischargers initially received phosphorus WQBELs set equal to the applicable phosphorus criterion. Section NR 217.13, Wis. Adm. Code describes the process for calculating WQBELs based on receiving water flows and in-stream concentrations of total phosphorus. The 2015 EIA Report assumed that 592 out of roughly 750 surface water dischargers would incur compliance costs associated with attaining phosphorus criteria. A 2016 analysis conducted by DNR staff indicated that roughly two thirds of dischargers would receive a phosphorus WQBEL set equal to the applicable phosphorus criterion. This means that WQBELs were commonly set at 0.1 mg/L or 0.075 mg/L. Where these limits are assigned to facilities (as of 2023), they are included in the Appendix A table.

Since 2010, DNR and partners have developed TMDLs for many of the larger phosphorus-impaired waterways across the state. These are shown in Figure 2 and include the following:

- Rock River
- Lower Fox River Basin
- Milwaukee River Basin
- St. Croix River
- Tainter Lake / Lake Menomin
- Upper Fox and Wolf Rivers Basin
- Wisconsin River Basin
- Northeast Lakeshore (in development)
- Fox-Illinois River Basin (in development)

TMDLs assign wasteload allocations to point sources and load allocations to nonpoint sources, in combination with a margin of safety, to ensure waterbodies meet applicable water quality criteria. When calculating phosphorus WQBELs in a TMDL area, the wasteload allocation for a specific discharger is expressed as a lbs/day value and subject to monthly and potentially six-month averaging periods. TMDL-based limitations may be less stringent than the water quality based effluent limitation calculated under s. NR 217.13 Wis. Adm. Code in cases where nonpoint sources are the significant phosphorus sources responsible for the impairment. These less stringent limits may be included in permits in lieu of the more stringent s. NR 217.13 Wis. Adm. Code limits if the latter has not taken effect. In many cases, the development of a TMDL provides relaxed effluent limitations for wastewater point source dischargers. Whether these limitations can be met without a major facility upgrade is site-specific and based on the limitation itself, wastewater influent characteristics, plant design, and other factors.

To better understand the level of treatment required to achieve a TMDL-based effluent limit, mass limits can be translated into concentration equivalent values using an assumed flow value. Appendix A contains the most stringent limit applicable to each surface water discharger in the state, whether a s. NR 217.13 Wis. Adm. Code concentration limit or concentration-equivalent of a TMDL-based limit.

# Total Maximum Daily Load Plans - Wisconsin 2022

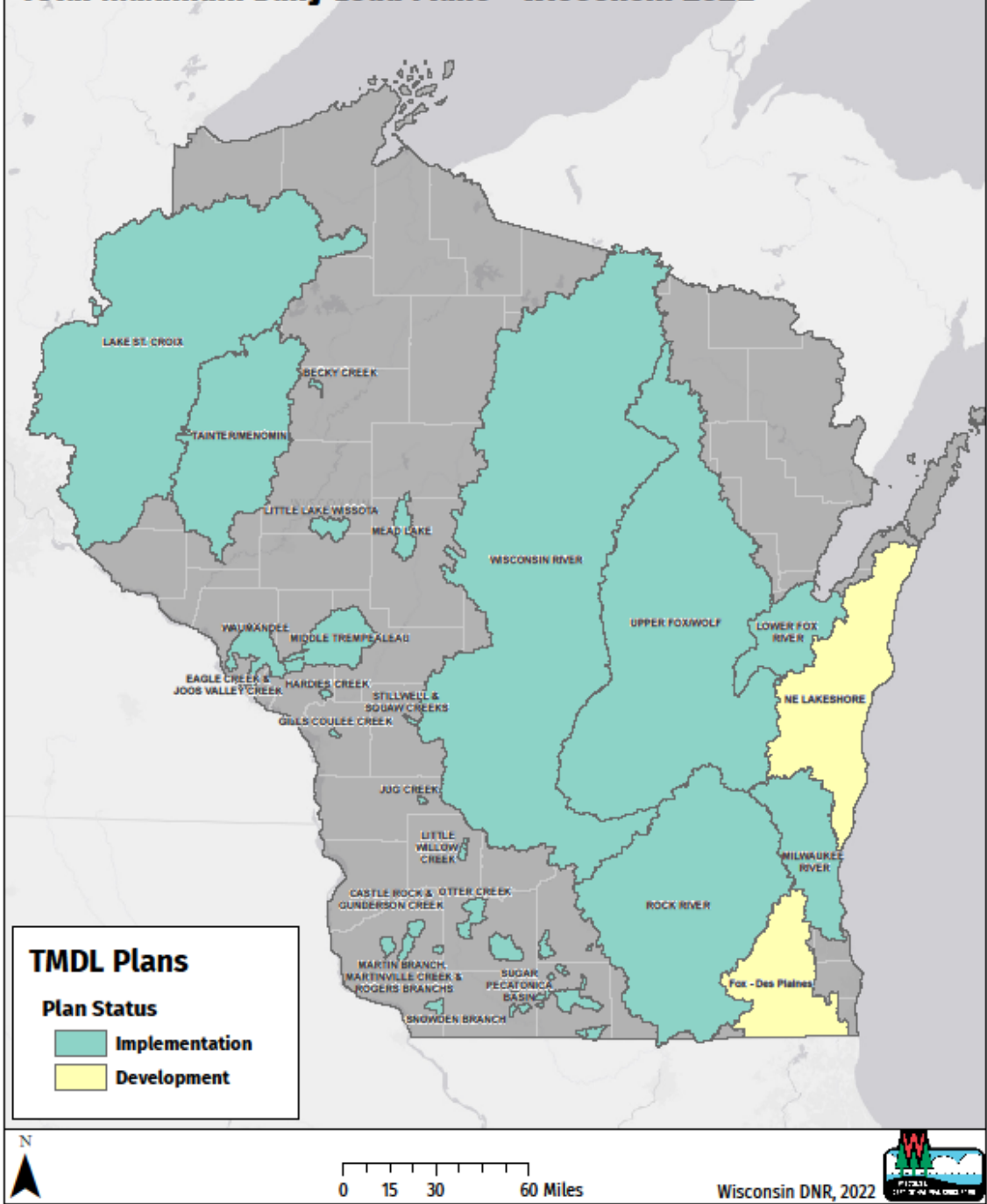


Figure 2: 2022 TMDL Development and Implementation Map

Table 1 compares limits for all surface water dischargers under two separate analyses: the 2015 EIA Report and the current 2023 evaluation. Fewer limits are set equal to the applicable phosphorus criterion currently than was expected in 2015.

**Table 1: Phosphorus WQBEL Concentrations Statewide**

| Limit range           | Number of Facilities<br>2015 EIA | Number of Facilities<br>2023 Evaluation |
|-----------------------|----------------------------------|---|
| <0.075 mg/L           | 20                               | 29                                      |
| =0.075 mg/L           | 344                              | 211                                     |
| 0.075 mg/L - 0.2 mg/L | 107                              | 96                                      |
| >0.2 mg/L             | 121                              | 405                                     |
|                       |                                  |   |
| Total                 | 592*                             | 741                                     |

\*Though all WPDES permittees were evaluated, roughly 150 permittees were excluded from the 2015 analysis due to not needing to install phosphorus treatment technology. These would typically fall within the “>0.2 mg/L” category.



### Section 1.3: Watershed-based Compliance Alternatives

Nutrient pollution, due to its varied sources (point and nonpoint), has been a well-documented water quality challenge for decades. To help address this, DNR, in collaboration with stakeholders, developed innovative compliance options as part of the 2010 phosphorus rulemaking to reach water quality goals in a more economically efficient manner. This spurred the development of Wisconsin’s adaptive management (AM) and water quality trading (WQT) programs. The premise behind these compliance options is that point source dischargers could invest a smaller amount of money towards nonpoint source pollution control projects (compared to a facility upgrade), and potentially have a greater water quality benefit. These compliance options have been selected by some WPDES Permittees and continue to be explored by others as they work towards phosphorus compliance.

Some permittees have found, however, that barriers exist which preclude participation in these programs; insufficient political support, unwilling partnerships, eligibility constraints, economic limitations, and compliance risks are some of the reasons cited that make trading and adaptive management infeasible for many permittees. In light of these challenges made apparent in the 2010 – 2013 timeframe, the MDV was conceived to provide yet another mechanism to address low-level phosphorus effluent limits.

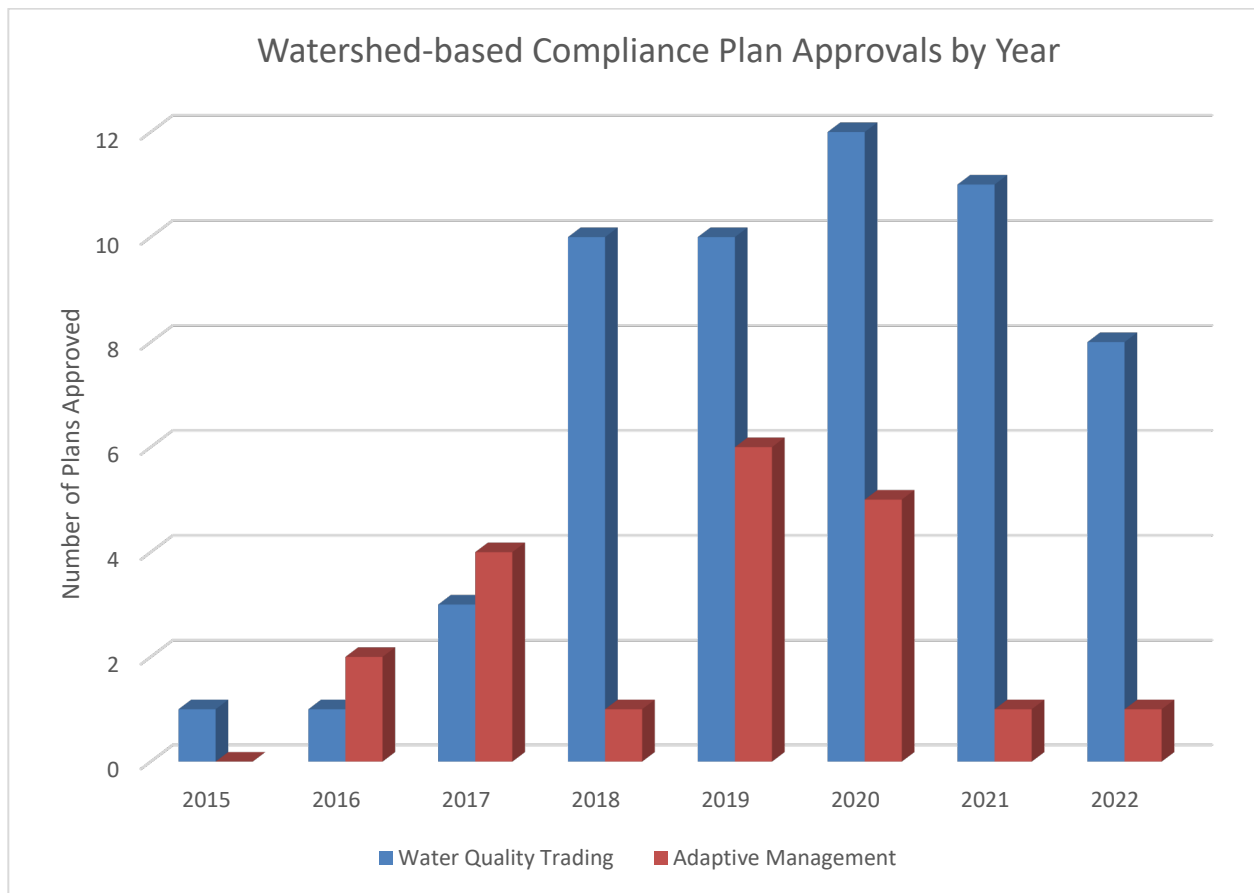


Figure 3: Annual totals for water quality trading and adaptive management plan approvals

Trading and adaptive management activity markedly increased in 2017 – 2020 as initial compliance schedules ended, often 7 years after the initial phosphorus WQBEL was issued. To date, 57 permittees have approved water quality trades and 23 permittees have approved adaptive management plans.

While watershed-based compliance options are not appropriate in all situations, many permittees have the opportunity to use trading or adaptive management to permanently comply with phosphorus criteria. These solutions are often implemented at a much lower cost than tertiary filtration. Appendix A contains phosphorus compliance status of all facilities, including those that have engaged in water quality trading or adaptive management. Roughly 10% of all permittees have implemented solutions using these watershed-based compliance options (Figure 4). See Appendix A Supplement for category definitions.

For those facilities that have implemented trading and adaptive management, a major facility upgrade is no longer necessary. Therefore, compliance costs incurred by permittees who have implemented trades and adaptive management programs are not considered to be within the scope of the updated MDV economic evaluation.

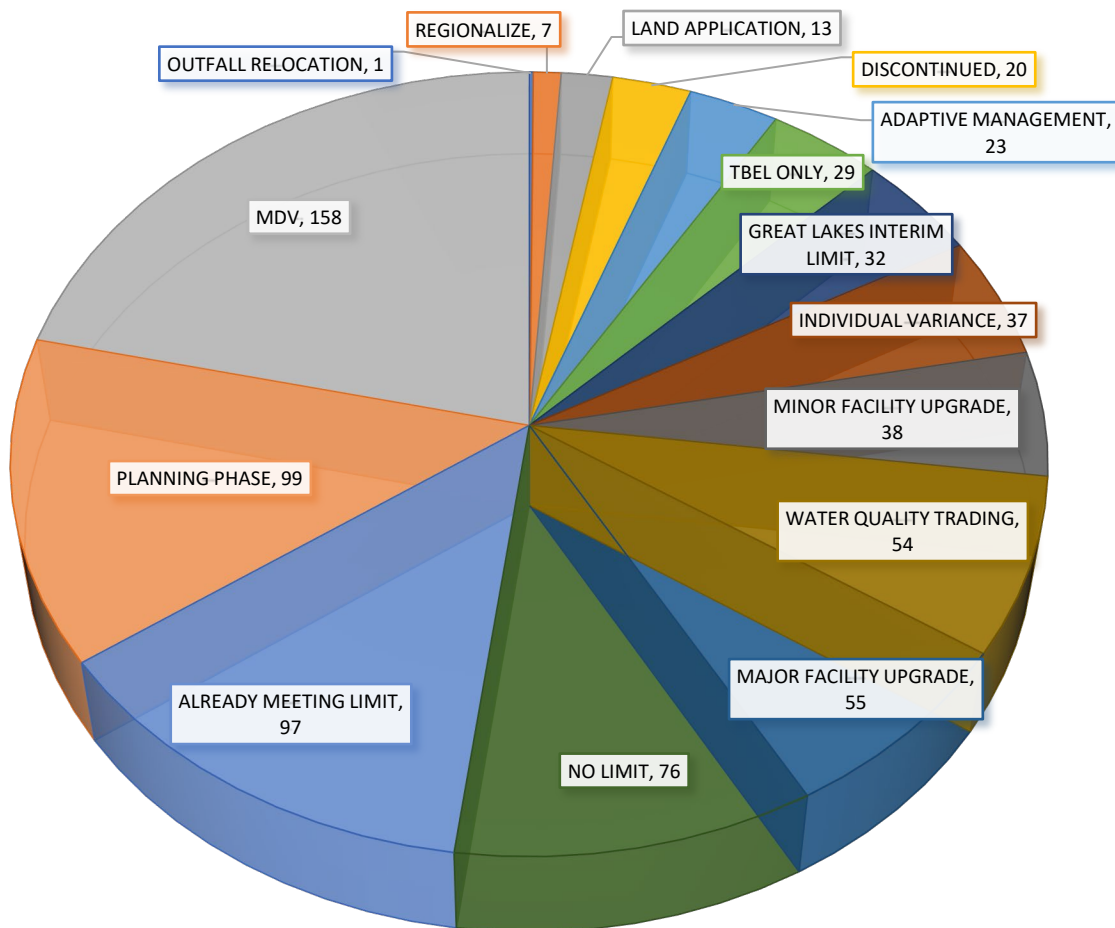


Figure 4. Phosphorus Planning Outcomes Statewide - Appendix A Summary Graphic

## Section 1.4: Treatment Technology

The process to establish a justification for the MDV, as provided in statute at s. 283.16(2)(a), Wis. Stats., requires DOA to determine “whether attaining the water quality standard for phosphorus, adopted under s. 281.15, through compliance with water quality based effluent limitations by point sources that cannot achieve compliance without major facility upgrades is not feasible because it would cause substantial and widespread adverse social and economic impacts on a statewide basis.” This initial determination was completed by DOA on October 6, 2015 and serves as the initial foundational basis for the MDV’s variance justification in accordance with 40 CFR §131.10(g)(6).

Information supporting the initial determination was provided in supplemental reports developed by ARCADIS, Sycamore Advisors, and the University of Massachusetts Donahue Institute. These firms were contracted to provide key economic information to support the initial 2015 determination. The reports included a Final Economic Impact Analysis (dated 12/29/2015) and an Addendum to the Economic Impact Analysis (dated 4/24/2015).

Within the 2015 EIA Report, ARCADIS estimated compliance costs for all WPDES permit holders who were expected to be subject to low phosphorus WQBELs. Cost estimates relied on a set of assumptions that defined what treatment technology would commonly be required to meet phosphorus WQBELs on a consistent basis. To structure the assessment, the 592 evaluated municipal and industrial wastewater treatment facilities were divided into three groups based on their final WQBEL for total phosphorus:

- >0.5 to 1 mg/L
- >0.1 to 0.5 mg/L
- less than or equal to 0.1 mg/L

Facilities were also grouped by basic treatment type – either lagoon or mechanical plant. This provided a set of assumptions to inform what equipment was likely to already be in place at a given facility.

Regardless of existing treatment type, the EIA analysis assumed that any WQBELs lower than 0.5 mg/L required tertiary filtration to achieve. Limits of 0.5 mg/L and higher were assumed to be met by biological or chemical phosphorus removal. Setting the threshold for filtration at 0.5 mg/L is appropriate for a statewide analysis where facility-specific information is not available. Some facilities are able to treat to lower levels without filtration. It should be noted that some facility types are unlikely to achieve 0.5 mg/L even after optimizing traditional treatment. These include shallow stabilization ponds and recirculating sand filters.

In 2022, DNR conducted a review of currently available treatment technology as required under s. 283.16(3)(b), Wis. Stats. The review indicated that a subset of Wisconsin facilities are able to achieve lower effluent limits than the originally-specified 0.5 mg/L using biological or chemical phosphorus treatment. Based on 2021 data, 23 of the 119 facilities covered under the MDV could comply with limits lower than 0.5 mg/L. Lower interim limits are issued in individual WPDES permits accordingly, on a site-specific basis

pursuant to s. 283.16(7), Wis. Stats. There was no indication than an entire category of dischargers could meet a lower interim limit than 0.5 mg/L.

The treatment technology review also investigated novel or emerging technologies including algae-based treatment systems, absorptive media systems, ion exchange, and constructed wetlands. While some of these technologies have shown success in a controlled setting such as laboratory testing or small-scale installations, there was no evidence to suggest that these emerging treatment technologies would enable compliance with low-level phosphorus WQBELs at a lower cost than the tertiary filtration prescribed in the EIA analysis.

It is important to note that DNR reviews each MDV application to verify that tertiary filtration is indeed required to meet the applicable WQBELs. In cases where a facility has existing traditional treatment capable of meeting WQBELs, coverage under the MDV is not granted. In these cases, the WQBEL is made effective in the reissued permit. Achievable WQBELs are shown in the Appendix A table.

Many facilities have been able to comply with phosphorus WQBELs without installing tertiary filtration. Those facilities no longer fall within the scope of the MDV economic determination at s. 283.16(2), Wis. Stats., due to not being considered “point sources that cannot achieve compliance without major facility upgrades”. Site-specific compliance costs for these facilities are not considered in the updated economic determination. Conversely, those facilities whose regulatory requirements currently require (after a compliance schedule or variance) a major facility upgrade resulting in substantial adverse economic impacts have compliance costs included in the updated determination.

Based on currently available information, phosphorus compliance costs total, by category, as follows:

- Municipal: \$608,492,369.18
- Cheese Manufacturers: \$24,443,788.01
- Food Processors: \$15,177,700.00
- Paper Industry: \$104,079,224.10
- Aquaculture: \$19,464,049.15
- NCCW / Other Dischargers: 33,410,899.03

The above figures are a sum of capital costs for all permittees within each category, largely sourced from final compliance alternatives plans and MDV applications. These represent site-specific cost estimates at a preliminary project planning level of accuracy. Where site-specific information was not available, the initial 2015 EIA Report numbers were used. All dollar values are adjusted to March 2023 values using the ENR Construction Cost Index. As stated previously, permittees that have already implemented a phosphorus compliance solution, or do not require a major facility upgrade, do not contribute to the category totals.

Table 2. Updated phosphorus compliance costs (capital costs) for municipal facilities

| County      | Total Capital Costs<br>(Municipal Facilities) |
|-------------|---|
| Adams       | \$ -  |
| Ashland     | \$ -  |
| Barron      | \$ 6,891,734.34                               |
| Bayfield    | \$ -  |
| Brown       | \$ 11,518,611.35                              |
| Buffalo     | \$ 11,042,900.00                              |
| Burnett     | \$ 3,422,000.00                               |
| Calumet     | \$ 3,297,409.00                               |
| Chippewa    | \$ 2,087,800.00                               |
| Clark       | \$ 26,996,034.99                              |
| Columbia    | \$ 5,111,387.55                               |
| Crawford    | \$ 9,323,603.20                               |
| Dane        | \$ 4,962,580.00                               |
| Dodge       | \$ 26,937,770.03                              |
| Door        | \$ -  |
| Douglas     | \$ 3,104,520.00                               |
| Dunn        | \$ 1,585,372.60                               |
| Eau Claire  | \$ 2,000,750.00                               |
| Florence    | \$ -  |
| Fond Du Lac | \$ 10,959,794.67                              |
| Forest      | \$ -  |
| Grant       | \$ 21,091,176.92                              |
| Green       | \$ 1,171,280.00                               |
| Green Lake  | \$ 149,973.22                                 |
| Iowa        | \$ 27,855,790.47                              |
| Iron        | \$ 1,833,000.25                               |
| Jackson     | \$ 15,274,125.23                              |
| Jefferson   | \$ 19,966,956.00                              |
| Juneau      | \$ 7,560,600.00                               |
| Kenosha     | \$ 26,547,660.00                              |
| Kewaunee    | \$ 3,737,693.25                               |
| La Crosse   | \$ 5,746,668.55                               |
| Lafayette   | \$ 9,454,228.97                               |
| Langlade    | \$ -  |
| Lincoln     | \$ -  |

| County      | Total Capital Costs<br>(Municipal Facilities) |
|-------------|---|
| Manitowoc   | \$ 12,960,515.62                              |
| Marathon    | \$ 21,908,265.91                              |
| Marinette   | \$ -  |
| Marquette   | \$ 8,902,632.96                               |
| Milwaukee   | \$ -  |
| Monroe      | \$ 15,885,327.90                              |
| Oconto      | \$ 4,912,270.00                               |
| Oneida      | \$ 1,607,698.74                               |
| Outagamie   | \$ 7,554,042.94                               |
| Ozaukee     | \$ 1,912,320.00                               |
| Pepin       | \$ 1,986,581.58                               |
| Pierce      | \$ 12,517,674.00                              |
| Polk        | \$ 4,647,085.00                               |
| Portage     | \$ 5,743,781.74                               |
| Price       | \$ 3,600,000.00                               |
| Racine      | \$ 19,906,645.00                              |
| Richland    | \$ 5,939,907.50                               |
| Rock        | \$ 5,409,742.67                               |
| Rusk        | \$ 1,119,843.75                               |
| Sauk        | \$ 13,841,351.05                              |
| Sawyer      | \$ -  |
| Shawano     | \$ 4,816,429.35                               |
| Sheboygan   | \$ 10,742,342.11                              |
| St. Croix   | \$ -  |
| Taylor      | \$ 11,660,410.00                              |
| Trempealeau | \$ 31,870,111.01                              |
| Vernon      | \$ 17,073,523.57                              |
| Vilas       | \$ -  |
| Walworth    | \$ 24,076,548.00                              |
| Washington  | \$ 5,957,760.00                               |
| Waukesha    | \$ -  |
| Waupaca     | \$ 9,444,058.04                               |
| Waushara    | \$ 416,054.35                                 |
| Winnebago   | \$ 18,807,039.36                              |
| Wood        | \$ 46,796,960.28                              |

## Steps in the Reapproval Process

### Section 2.1: Report under s. 283.16(3), Wis. Stats.

As previously mentioned, a report will be prepared by DOA that evaluates if the initial determination regarding adverse social and economic impacts and the need for a statewide MDV remains accurate. The report will evaluate recent economic information such as revised sewer user rates, site-specific compliance costs, and secondary indicator scores. Updated compliance costs will account for recently calculated WQBELs and current status regarding phosphorus compliance for each facility.

In preparing the report, DOA shall consult with interested parties and WPDES permittees subject to phosphorus WQBELs. This document is intended to initiate consultation regarding the accuracy of facility-specific information contained in Appendix A. Readers of this document should review Appendix A for accuracy. Parties are encouraged to offer corrections or additional information to supplement any of the content in this document. If reviewers believe that new types of information should be evaluated, beyond what is proposed here, comments are welcome.

Please send comments and additional information to the following addresses:

Via Email:

[DOAPhosphorus@wisconsin.gov](mailto:DOAPhosphorus@wisconsin.gov)

Via Mail:

Wisconsin DOA – Attn: Agriculture, Environment and Justice Team  
101 E Wilson St Ste 10  
Madison, WI 53703

Responses are requested by December 1<sup>st</sup>, 2023.

### Section 2.2: Listening Sessions

Public meetings will occur in late 2023 to gain additional stakeholder perspectives. These listening sessions will provide the chance for verbal comments relative to variance reauthorization. The meeting dates and locations will be shared in advance with interested parties and WPDES permittees subject to phosphorus WQBELs. The public meetings will also be placed on DNR's Hearings and Meetings Calendar at <https://dnr.wisconsin.gov/calendar>.

## **Section 2.3: Subsequent Statutory Steps and Public Comment**

The subsequent steps for reapproval of the MDV are found in ss. 283.16(3)(c) – (g), Wis. Stats. First, based on the evaluation report, DOA, in consultation with DNR, shall decide whether the determination that attaining the water quality standard for phosphorus through compliance with water quality based effluent limitations by point sources that cannot achieve compliance without major facility upgrades is not feasible remains accurate.

Next, DOA shall provide public notice of its preliminary decision of whether the initial determination remains accurate no later than the 60th day after preparing the evaluation report. DOA shall then provide the opportunity for public comment on the determination for at least 30 days following the public notice. DOA shall consider any public comments in making its final decision regarding accuracy of the original determination and shall make the final decision no later than the 30th day after the end of the public comment period. Finally, DOA shall send a notice that describes its final decision to the legislative reference bureau for publication in the administrative register.

## **Section 2.4: Variance submittal to EPA**

If the above process results in a DOA decision finding that the initial determination remains accurate, DNR shall seek federal approval from EPA under 40 CFR 131.21 for renewal of the MDV.

EPA has requested additional information beyond the DOA decision to support MDV reauthorization. DNR will compile information in support of variance reauthorization. This information includes the effectiveness of current variance provisions, compliance with HAC requirements, support of variance duration, and variance requirements for the approval duration.

## Phosphorus Planning Outcomes Description (Appendix A Supplement)

**ADAPTIVE MANAGEMENT:** The permittee has an approved adaptive management plan addressing phosphorus requirements.

**ALREADY MEETING LIMIT:** The facility was able to meet the applicable phosphorus limit immediately upon or soon after permit issuance.

**DISCONTINUED:** The facility closed or otherwise ceased discharge. Those that transition to a general permit also fall within this category.

**GREAT LAKES - INTERIM LIMIT:** Facilities in this category discharge directly to Lake Michigan or Lake Superior. Phosphorus limits are set at 0.6 mg/L in accordance with s. NR 217.13(4), Wis. Adm. Code.

**INDIVIDUAL VARIANCE:** The permittee has an approved individual phosphorus variance, or has indicated intent to apply for an individual phosphorus variance.

**LAND APPLICATION:** The facility will be ceasing discharge to surface waters and transitioning to land-based treatment such as spray irrigation or a ridge and furrow system.

**MAJOR FACILITY UPGRADE:** The facility has completed or is in the process of completing installation of tertiary filtration or similar treatment technology to meet low-level phosphorus limits.

**MDV:** The permittee has been granted coverage under the MDV, or has indicated intent to apply for the MDV to temporarily address phosphorus requirements.

**MINOR FACILITY UPGRADE:** The facility is able to comply with phosphorus WQBELs via traditional treatment means such as biological or chemical phosphorus removal. Facilities that achieve compliance through minor operation modifications or source reduction are also included in this category.

**NO LIMIT:** The facility does not have a phosphorus limit included in the WPDES permit. While all facilities are evaluated for phosphorus limits, some facilities may not trigger reasonable potential to cause or contribute to an exceedance of phosphorus criteria in the receiving or downstream waters.

**PLANNING PHASE:** The facility has received a phosphorus limit and associated compliance schedule pursuant to s. NR 217.17 Wis. Adm. Code. The final limit is not effective during the compliance schedule period. The permittee must use this time to optimize treatment, plan, and select a compliance option.

**REGIONALIZE:** The facility has ceased discharge by sending wastewater to another facility.

**OUTFALL RELOCATION:** The discharge will be relocated to a different receiving water with more assimilative capacity for effluent phosphorus.

**TBEL ONLY:** The technology-based effluent limit applicable for the facility is the lowest applicable limit, after evaluating the need for WQBELs.

**WATER QUALITY TRADING:** The facility has achieved compliance with phosphorus WQBELs via water quality trading.



## Appendix A. Facility-specific Information Table

| Facility Name                               | Permit Number | County     | Phosphorus Planning Outcome | Phosphorus Limit (mg/L) (Lowest of TBEL, NR 217.13 WQBEL, or TMDL-equivalent) | MDV Category | Major Facility Upgrade Required? |
|---|---------------|------------|-----------------------------|---|--------------|----------------------------------|
| Beaver Dam Wastewater Treatment Facility    | 0023345       | Dodge      | ADAPTIVE MANAGEMENT         | 0.163   | Municipal    | NO                               |
| Blue Mounds Wastewater Treatment Facility   | 0031658       | Dane       | ADAPTIVE MANAGEMENT         | 0.075   | Municipal    | NO                               |
| Burlington Water Pollution Control          | 0022926       | Racine     | ADAPTIVE MANAGEMENT         | 0.100   | Municipal    | NO                               |
| Cambridge Oakland Wastewater Commission     | 0026948       | Jefferson  | ADAPTIVE MANAGEMENT         | 0.075   | Municipal    | NO                               |
| Cedarburg Wastewater Treatment Facility     | 0020222       | Ozaukee    | ADAPTIVE MANAGEMENT         | 0.145   | Municipal    | NO                               |
| Cuba City Wastewater Treatment Facility     | 0022217       | Grant      | ADAPTIVE MANAGEMENT         | 0.075   | Municipal    | NO                               |
| Dane Iowa Wastewater Commission WWTF        | 0049816       | Dane       | ADAPTIVE MANAGEMENT         | 0.075   | Municipal    | NO                               |
| Deerfield Wastewater Treatment Facility     | 0023744       | Dane       | ADAPTIVE MANAGEMENT         | 0.075   | Municipal    | NO                               |
| Grafton Water & Wastewater Utility          | 0020184       | Ozaukee    | ADAPTIVE MANAGEMENT         | 0.011   | Municipal    | NO                               |
| Green Bay Metropolitan Sewerage District    | 0065251       | Brown      | ADAPTIVE MANAGEMENT         | 0.129   | Municipal    | NO                               |
| Madison Metropolitan Sewerage District WWTF | 0024597       | Dane       | ADAPTIVE MANAGEMENT         | 0.075   | Municipal    | NO                               |
| Mount Horeb Wastewater Treatment Facility   | 0020281       | Dane       | ADAPTIVE MANAGEMENT         | 0.075   | Municipal    | NO                               |
| Mukwonago Wastewater Treatment Plant        | 0020265       | Waukesha   | ADAPTIVE MANAGEMENT         | 0.100   | Municipal    | NO                               |
| New Richmond Wastewater Treatment Facility  | 0021245       | St. Croix  | ADAPTIVE MANAGEMENT         | 0.075   | Municipal    | NO                               |
| Oconomowoc Wastewater Treatment Plant       | 0021181       | Waukesha   | ADAPTIVE MANAGEMENT         | 0.169   | Municipal    | NO                               |
| Oregon Wastewater Treatment Facility        | 0020681       | Dane       | ADAPTIVE MANAGEMENT         | 0.075   | Municipal    | NO                               |
| Plymouth Utilities WWTF                     | 0030031       | Sheboygan  | ADAPTIVE MANAGEMENT         | 0.263   | Municipal    | NO                               |
| Sparta Wastewater Treatment Facility        | 0020737       | Monroe     | ADAPTIVE MANAGEMENT         | 0.075   | Municipal    | NO                               |
| Stoughton Wastewater Treatment Facility     | 0020338       | Dane       | ADAPTIVE MANAGEMENT         | 0.075   | Municipal    | NO                               |
| Tomah Wastewater Treatment Facility         | 0021318       | Monroe     | ADAPTIVE MANAGEMENT         | 0.170   | Municipal    | NO                               |
| US Army Headquarters, Fort McCoy WWTP       | 0022420       | Monroe     | ADAPTIVE MANAGEMENT         | 0.075   | Municipal    | NO                               |
| Western Racine County Sewerage District     | 0028754       | Racine     | ADAPTIVE MANAGEMENT         | 0.115   | Municipal    | NO                               |
| WI DNR Nevin Fish Hatchery                  | 0002585       | Dane       | ADAPTIVE MANAGEMENT         | 0.016   | Fish         | NO                               |
| Adams Wastewater Treatment Facility         | 0023159       | Adams      | ALREADY MEETING LIMIT       | 0.366   | Municipal    | NO                               |
| Agropur Inc Weyauwega Plant                 | 0001449       | Waupaca    | ALREADY MEETING LIMIT       | 0.118   | NCCW         | NO                               |
| Ahlstrom Mosinee LLC                        | 0003671       | Marathon   | ALREADY MEETING LIMIT       | 0.367   | Paper        | NO                               |
| Allenton Sanitary District WWTP             | 0028053       | Washington | ALREADY MEETING LIMIT       | 0.868   | Municipal    | NO                               |
| Aspen Health & Rehabilitation Center        | 0029742       | Douglas    | ALREADY MEETING LIMIT       | 2.700   | Other        | NO                               |
| ATI Ladish, LLC                             | 0000728       | Milwaukee  | ALREADY MEETING LIMIT       | 0.024   | NCCW         | NO                               |

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| Baraboo Wastewater Treatment Facility       | 0020605       | Sauk      | ALREADY MEETING LIMIT       | 0.366   | Municipal    | NO                               |
| Berlin Wastewater Treatment Facility        | 0021229       | Waushara  | ALREADY MEETING LIMIT       | 0.385   | Municipal    | NO                               |
| Birchwood Manufacturing Co                  | 0042528       | Barron    | ALREADY MEETING LIMIT       | 0.100   | Other        | NO                               |
| Blenker Sherry Sanitary District WWTF       | 0031950       | Wood      | ALREADY MEETING LIMIT       | 0.363   | Municipal    | NO                               |
| Burnett Dairy Cooperative                   | 0039039       | Burnett   | ALREADY MEETING LIMIT       | 1.914   | Cheese       | NO                               |
| Cambria Wastewater Treatment Facility       | 0023523       | Columbia  | ALREADY MEETING LIMIT       | 0.367   | Municipal    | NO                               |
| Catawba Kennan Joint Sewage Commission      | 0061701       | Price     | ALREADY MEETING LIMIT       | 2.400   | Municipal    | NO                               |
| Cedar Valley Cheese Inc                     | 0051535       | Ozaukee   | ALREADY MEETING LIMIT       | 0.044   | Cheese       | NO                               |
| Colfax Wastewater Treatment Facility        | 0023663       | Dunn      | ALREADY MEETING LIMIT       | 1.001   | Municipal    | NO                               |
| Coon Valley Wastewater Treatment Facility   | 0020958       | Vernon    | ALREADY MEETING LIMIT       | 3.300   | Municipal    | NO                               |
| Cornell Wastewater Treatment Facility       | 0021300       | Chippewa  | ALREADY MEETING LIMIT       | 6.000   | Municipal    | NO                               |
| Cumberland City of                          | 0020354       | Barron    | ALREADY MEETING LIMIT       | 0.075   | Municipal    | NO                               |
| Dunn Paper - Ladysmith, LLC                 | 0003204       | Rusk      | ALREADY MEETING LIMIT       | 1.400   | Paper        | NO                               |
| Eagle River City of                         | 0022004       | Vilas     | ALREADY MEETING LIMIT       | 0.332   | Municipal    | NO                               |
| Edgerton Wastewater Treatment Facility      | 0020346       | Rock      | ALREADY MEETING LIMIT       | 0.435   | Municipal    | NO                               |
| Elmwood Village WWTP                        | 0023922       | Pierce    | ALREADY MEETING LIMIT       | 1.900   | Municipal    | NO                               |
| Foremost Farms USA Appleton                 | 0039993       | Outagamie | ALREADY MEETING LIMIT       | 1.490   | NCCW         | NO                               |
| Foremost Farms USA Reedsburg                | 0000035       | Sauk      | ALREADY MEETING LIMIT       | 0.052   | NCCW         | NO                               |
| Foremost Farms USA Richland Center          | 0004413       | Richland  | ALREADY MEETING LIMIT       | 0.075   | NCCW         | NO                               |
| Forest Junction Sanitary District           | 0032123       | Calumet   | ALREADY MEETING LIMIT       | 0.490   | Municipal    | NO                               |
| Forestville Wastewater Treatment Facility   | 0028894       | Door      | ALREADY MEETING LIMIT       | 0.470   | Municipal    | NO                               |
| Galloway Company                            | 0027553       | Winnebago | ALREADY MEETING LIMIT       | 0.307   | NCCW         | NO                               |
| General Mitchell International Airport      | 0046477       | Milwaukee | ALREADY MEETING LIMIT       | 1.000   | Other        | NO                               |
| Glenwood City Wastewater Treatment Facility | 0060381       | St. Croix | ALREADY MEETING LIMIT       | 1.008   | Municipal    | NO                               |
| Grande Cheese Corp Wycocena                 | 0051764       | Columbia  | ALREADY MEETING LIMIT       | 0.089   | NCCW         | NO                               |
| Grantsburg Village of                       | 0060429       | Burnett   | ALREADY MEETING LIMIT       | 1.568   | Municipal    | NO                               |
| Gresham Wastewater Treatment Facility       | 0022781       | Shawano   | ALREADY MEETING LIMIT       | 0.180   | Municipal    | NO                               |
| Ho Chunk RV Resort and Campground           | 0061263       | Juneau    | ALREADY MEETING LIMIT       | 0.066   | Municipal    | NO                               |
| Holy Family Convent Wastewater Facility     | 0028142       | Manitowoc | ALREADY MEETING LIMIT       | 0.777   | Municipal    | NO                               |
| Hudson Wastewater Treatment Facility        | 0024279       | St. Croix | ALREADY MEETING LIMIT       | 0.812   | Municipal    | NO                               |

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| Hustisford Wastewater Treatment Facility      | 0020303       | Dodge       | ALREADY MEETING LIMIT       | 1.198   | Municipal    | NO                               |
| Iola Wastewater Treatment Facility            | 0021717       | Waupaca     | ALREADY MEETING LIMIT       | 0.361   | Municipal    | NO                               |
| Jefferson Wastewater Treatment Facility       | 0024333       | Jefferson   | ALREADY MEETING LIMIT       | 0.161   | Municipal    | NO                               |
| Johnson Creek Wastewater Treatment Facility   | 0022161       | Jefferson   | ALREADY MEETING LIMIT       | 0.170   | Municipal    | NO                               |
| Joy Global Surface Mining Inc                 | 0025321       | Milwaukee   | ALREADY MEETING LIMIT       | 0.247   | NCCW         | NO                               |
| Juneau Wastewater Treatment Facility          | 0021474       | Dodge       | ALREADY MEETING LIMIT       | 0.168   | Municipal    | NO                               |
| Kenosha Beef International                    | 0050784       | Kenosha     | ALREADY MEETING LIMIT       | 0.075   | Food         | NO                               |
| Kewaunee Wastewater Treatment Facility        | 0020176       | Kewaunee    | ALREADY MEETING LIMIT       | 1.139   | Municipal    | NO                               |
| Knapp Wastewater Treatment Facility           | 0060500       | Dunn        | ALREADY MEETING LIMIT       | 3.800   | Municipal    | NO                               |
| Lakeland Sanitary District                    | 0022837       | Oneida      | ALREADY MEETING LIMIT       | 0.366   | Municipal    | NO                               |
| Lakeside Foods, Inc. New Richmond             | 0002836       | St. Croix   | ALREADY MEETING LIMIT       | 0.075   | NCCW         | NO                               |
| Lebanon Sanitary District #2 WWTF             | 0023051       | Dodge       | ALREADY MEETING LIMIT       | 1.198   | Municipal    | NO                               |
| Little Rapids Corporation, Shawano Paper Mill | 0001341       | Shawano     | ALREADY MEETING LIMIT       | 0.222   | Paper        | NO                               |
| Lodi Canning Co                               | 0002658       | Columbia    | ALREADY MEETING LIMIT       | 0.366   | NCCW         | NO                               |
| LSP Whitewater Limited Partnership            | 0049069       | Jefferson   | ALREADY MEETING LIMIT       | 0.075   | Other        | NO                               |
| Madison Gas & Electric Blount Station         | 0001961       | Dane        | ALREADY MEETING LIMIT       | 0.125   | NCCW         | NO                               |
| Markesan Wastewater Treatment Facility        | 0024619       | Green Lake  | ALREADY MEETING LIMIT       | 0.367   | Municipal    | NO                               |
| Marshall Wastewater Treatment Facility        | 0024627       | Dane        | ALREADY MEETING LIMIT       | 0.581   | Municipal    | NO                               |
| Mauston Wastewater Treatment Facility         | 0024635       | Juneau      | ALREADY MEETING LIMIT       | 0.523   | Municipal    | NO                               |
| Milton Wastewater Treatment Facility          | 0060453       | Rock        | ALREADY MEETING LIMIT       | 0.435   | Municipal    | NO                               |
| Montreal City of                              | 0022306       | Iron        | ALREADY MEETING LIMIT       | 1.950   | Municipal    | NO                               |
| MSI Express Inc                               | 0069965       | Fond du Lac | ALREADY MEETING LIMIT       | 0.062   | NCCW         | NO                               |
| Mullins Cheese Inc - Knowlton                 | 0054127       | Marathon    | ALREADY MEETING LIMIT       | 0.431   | Cheese       | NO                               |
| Nasonville Dairy, Inc.                        | 0040312       | Wood        | ALREADY MEETING LIMIT       | 0.143   | Cheese       | NO                               |
| Nestle Purina PetCare Co                      | 0002518       | Jefferson   | ALREADY MEETING LIMIT       | 0.100   | NCCW         | NO                               |
| New Lisbon Wastewater Treatment Facility      | 0020699       | Juneau      | ALREADY MEETING LIMIT       | 0.366   | Municipal    | NO                               |
| Plain Wastewater Treatment Facility           | 0036048       | Sauk        | ALREADY MEETING LIMIT       | 0.075   | Municipal    | NO                               |
| Plum City Wastewater Treatment Plant          | 0021431       | Pierce      | ALREADY MEETING LIMIT       | 1.300   | Municipal    | NO                               |
| Plymouth Town Sanitary District #1 WWTF       | 0031054       | Rock        | ALREADY MEETING LIMIT       | 2.242   | Municipal    | NO                               |
| Port Edwards Wastewater Treatment Facility    | 0020451       | Wood        | ALREADY MEETING LIMIT       | 0.366   | Municipal    | NO                               |

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| Poynette Wastewater Treatment Facility       | 0021091       | Columbia   | ALREADY MEETING LIMIT       | 0.366   | Municipal    | NO                               |
| Prentice Village of                          | 0021075       | Price      | ALREADY MEETING LIMIT       | 1.300   | Municipal    | NO                               |
| Reeseville Wastewater Treatment Facility     | 0028509       | Dodge      | ALREADY MEETING LIMIT       | 1.655   | Municipal    | NO                               |
| Rice Lake Utilities City of                  | 0021865       | Barron     | ALREADY MEETING LIMIT       | 0.600   | Municipal    | NO                               |
| Richland Center Renewable Energy             | 0064718       | Richland   | ALREADY MEETING LIMIT       | 0.075   | Food         | NO                               |
| Ridgeland Wastewater Treatment Plant         | 0021296       | Dunn       | ALREADY MEETING LIMIT       | 0.839   | Municipal    | NO                               |
| River Falls Municipal Utility WWTF           | 0029394       | Pierce     | ALREADY MEETING LIMIT       | 0.770   | Municipal    | NO                               |
| Schreiber Foods Inc - West Bend              | 0026751       | Washington | ALREADY MEETING LIMIT       | 0.200   | Food         | NO                               |
| Schroeders Greenhouse                        | 0046248       | Brown      | ALREADY MEETING LIMIT       | 19.539  | Other        | NO                               |
| Seneca Foods Corporation Cambria             | 0003891       | Columbia   | ALREADY MEETING LIMIT       | 0.026   | NCCW         | NO                               |
| Sensient Flavors LLC                         | 0002534       | Dodge      | ALREADY MEETING LIMIT       | 0.075   | NCCW         | NO                               |
| Silver Lake Sanitary District                | 0061301       | Waushara   | ALREADY MEETING LIMIT       | 0.811   | Municipal    | NO                               |
| Star Prairie Wastewater Treatment Facility   | 0060984       | St. Croix  | ALREADY MEETING LIMIT       | 5.000   | Municipal    | NO                               |
| Tomahawk City of                             | 0021946       | Lincoln    | ALREADY MEETING LIMIT       | 0.366   | Municipal    | NO                               |
| United States Geological Survey              | 0045756       | La Crosse  | ALREADY MEETING LIMIT       | 0.100   | Other        | NO                               |
| Valero Renewable Fuels Company, LLC          | 0002038       | Jefferson  | ALREADY MEETING LIMIT       | 0.170   | Power Plant  | NO                               |
| Warrens Monroe Wastewater Treatment Facility | 0060259       | Monroe     | ALREADY MEETING LIMIT       | 0.366   | Municipal    | NO                               |
| Waste Management Omega Hills Landfill        | 0049514       | Washington | ALREADY MEETING LIMIT       | 0.081   | Other        | NO                               |
| Waupaca Foundry Inc Plant No 1               | 0026379       | Waupaca    | ALREADY MEETING LIMIT       | 0.026   | NCCW         | NO                               |
| Webster Village of                           | 0028843       | Burnett    | ALREADY MEETING LIMIT       | 0.330   | Municipal    | NO                               |
| Westboro Sanitary District #1                | 0061107       | Taylor     | ALREADY MEETING LIMIT       | 2.200   | Municipal    | NO                               |
| Wheeler Wastewater Treatment Facility        | 0060852       | Dunn       | ALREADY MEETING LIMIT       | 0.999   | Municipal    | NO                               |
| White Hill Cheese Co LLC                     | 0065757       | Lafayette  | ALREADY MEETING LIMIT       | 0.075   | Cheese       | NO                               |
| WI Air National Guard                        | 0023078       | Juneau     | ALREADY MEETING LIMIT       | 0.366   | Municipal    | NO                               |
| WI Dells Lk Delton Sewerage Commission       | 0031402       | Columbia   | ALREADY MEETING LIMIT       | 0.366   | Municipal    | NO                               |
| WI DNR Art Oehmcke State Fish Hatchery       | 0058271       | Oneida     | ALREADY MEETING LIMIT       | 0.045   | Fish         | NO                               |
| WI DNR Gov Tommy Thompson Fish Hatchery      | 0049191       | Washburn   | ALREADY MEETING LIMIT       | 0.590   | Fish         | NO                               |
| WI DNR Kettle Moraine Springs Fish Hatchery  | 0026255       | Sheboygan  | ALREADY MEETING LIMIT       | 0.038   | Fish         | NO                               |
| WI DNR Osceola Fish Hatchery                 | 0004197       | Polk       | ALREADY MEETING LIMIT       | 0.060   | Fish         | NO                               |
| Wisconsin Dairy State Cheese, Inc.           | 0055751       | Wood       | ALREADY MEETING LIMIT       | 0.927   | Cheese       | NO                               |

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| WPS Fox Energy Center                           | 0061891       | Outagamie  | ALREADY MEETING LIMIT       | 0.824   | Power        | NO                               |
| Arkema Inc.                                     | 0027731       | Ozaukee    | DISCONTINUED                | NO LIMIT  | NCCW         | NO                               |
| Bloomfield Healthcare and Rehabilitation Center | 0030805       | Iowa       | DISCONTINUED                | NO LIMIT  | Other        | NO                               |
| Brookside Dairy                                 | 0003191       | Winnebago  | DISCONTINUED                | NO LIMIT  | Cheese       | NO                               |
| Cellu Tissue Corporation Neenah                 | 0000680       | Winnebago  | DISCONTINUED                | NO LIMIT  | Paper        | NO                               |
| Dairyland Power Cooperative Genoa               | 0003239       | Vernon     | DISCONTINUED                | NO LIMIT  | Power        | NO                               |
| DRS Technologies                                | 0062723       | Milwaukee  | DISCONTINUED                | 0.075   | NCCW         | NO                               |
| Green Bay Packaging, Inc. - Mill Division       | 0000973       | Brown      | DISCONTINUED                | NO LIMIT  | NCCW         | NO                               |
| Northern Wisconsin Center For Dev Disabled      | 0039144       | Chippewa   | DISCONTINUED                | NO LIMIT  | Other        | NO                               |
| Pentair Flow and Filtration Solutions           | 0055816       | Walworth   | DISCONTINUED                | NO LIMIT  | Other        | NO                               |
| Poly Vinyl Company Inc                          | 0066699       | Sheboygan  | DISCONTINUED                | 0.360   | NCCW         | NO                               |
| PPG Industries Inc                              | 0029149       | Milwaukee  | DISCONTINUED                | NO LIMIT  | NCCW         | NO                               |
| Schreiber Foods Inc MGB Plant                   | 0004499       | Brown      | DISCONTINUED                | NO LIMIT  | NCCW         | NO                               |
| Stella Jones Corporation                        | 0056880       | La Crosse  | DISCONTINUED                | NO LIMIT  | Other        | NO                               |
| Village of Kimberly                             | 0065358       | Outagamie  | DISCONTINUED                | NO LIMIT  | Municipal    | NO                               |
| Village of Little Chute                         | 0065366       | Outagamie  | DISCONTINUED                | NO LIMIT  | Municipal    | NO                               |
| West Shore Pipeline Granville North Site        | 0065048       | Washington | DISCONTINUED                | NO LIMIT  | Other        | NO                               |
| WI DNR Copper Falls State Park                  | 0030449       | Ashland    | DISCONTINUED                | NO LIMIT  | Municipal    | NO                               |
| WPL - Rock River Generating                     | 0002402       | Rock       | DISCONTINUED                | NO LIMIT  | Power        | NO                               |
| Wisconsin Public Service Corp Pulliam           | 0000965       | Brown      | DISCONTINUED                | NO LIMIT  | Power        | NO                               |
| Wrightstown Sanitary District No 2 WWTF         | 0022357       | Brown      | DISCONTINUED                | NO LIMIT  | Municipal    | NO                               |
| Ashland Sewage Utility                          | 0030767       | Ashland    | GREAT LAKES INTERIM LIMIT   | 0.600   | Municipal    | NO                               |
| Ashland/NSP Lakefront Superfund Site            | 0065382       | Ashland    | GREAT LAKES INTERIM LIMIT   | 0.600   | Other        | NO                               |
| Baileys Harbor Wastewater Treatment Facility    | 0035840       | Door       | GREAT LAKES INTERIM LIMIT   | 0.600   | Municipal    | NO                               |
| Bell Sanitary District 1                        | 0061336       | Bayfield   | GREAT LAKES INTERIM LIMIT   | 0.600   | Municipal    | NO                               |
| Cleveland Wastewater Treatment Facility         | 0030848       | Manitowoc  | GREAT LAKES INTERIM LIMIT   | 0.600   | Municipal    | NO                               |
| Clover Sanitary District                        | 0032069       | Bayfield   | GREAT LAKES INTERIM LIMIT   | 0.600   | Municipal    | NO                               |
| Dominion Energy Kewaunee, Inc.                  | 0001571       | Kewaunee   | GREAT LAKES INTERIM LIMIT   | 0.600   | Power        | NO                               |
| Egg Harbor Wastewater Treatment Facility        | 0035661       | Door       | GREAT LAKES INTERIM LIMIT   | 0.600   | Municipal    | NO                               |
| Ephraim Wastewater Treatment Facility           | 0061271       | Door       | GREAT LAKES INTERIM LIMIT   | 0.600   | Municipal    | NO                               |

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| Fish Creek SD1 Wastewater Treatment Facility | 0035203       | Door       | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Greater Bayfield WWTP Commission             | 0063053       | Bayfield   | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Kenosha Wastewater Treatment Facility        | 0028703       | Kenosha    | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Madeline Sanitary District                   | 0030759       | Ashland    | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Manitowoc Public Utilities                   | 0027189       | Manitowoc  | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Manitowoc Wastewater Treatment Facility      | 0024601       | Manitowoc  | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Milwaukee Metro Sew Dist Combined            | 0036820       | Milwaukee  | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| NextEra Energy Point Beach LLC               | 0000957       | Manitowoc  | GREAT LAKES INTERIM LIMIT   | 0.600  | Power        | NO                               |
| Northern States Power,d/b/a Xcel Energy      | 0002887       | Ashland    | GREAT LAKES INTERIM LIMIT   | 0.600  | Power        | NO                               |
| Ocean Spray Cranberries Inc Kenosha          | 0062561       | Kenosha    | GREAT LAKES INTERIM LIMIT   | 0.600  | Food         | NO                               |
| Port Washington                              | 0020460       | Ozaukee    | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Racine Wastewater Utility                    | 0025194       | Racine     | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Sheboygan Wastewater Treatment Plant         | 0025411       | Sheboygan  | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Sister Bay Wastewater Treatment Facility     | 0022071       | Door       | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| South Milwaukee Wastewater Treat Facility    | 0028819       | Milwaukee  | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Sturgeon Bay Utilities WWTF                  | 0021113       | Door       | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Superior Sewage Disposal System              | 0025593       | Douglas    | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Two Rivers Wastewater Treatment Facility     | 0026590       | Manitowoc  | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Washburn City of                             | 0022675       | Bayfield   | GREAT LAKES INTERIM LIMIT   | 0.600  | Municipal    | NO                               |
| Wisconsin Electric Power Co Oak Creek Elm Rd | 0000914       | Milwaukee  | GREAT LAKES INTERIM LIMIT   | 0.600  | Power        | NO                               |
| Wisconsin Electric Power Co Port Washington  | 0000922       | Ozaukee    | GREAT LAKES INTERIM LIMIT   | 0.600  | Power        | NO                               |
| Wisconsin Power and Light Edgewater          | 0001589       | Sheboygan  | GREAT LAKES INTERIM LIMIT   | 0.600  | Power        | NO                               |
| Wisconsin University Milwaukee Power Plant   | 0040282       | Milwaukee  | GREAT LAKES INTERIM LIMIT   | 0.600  | NCCW         | NO                               |
| Alma Wastewater Treatment Facility           | 0022101       | Buffalo    | INDIVIDUAL VARIANCE         | 0.100  | Municipal    | LIKELY                           |
| Argyle Wastewater Treatment Facility         | 0022225       | Lafayette  | INDIVIDUAL VARIANCE         | 0.075  | Municipal    | LIKELY                           |
| Arpin Wastewater Treatment Facility          | 0031267       | Wood       | INDIVIDUAL VARIANCE         | 0.210  | Municipal    | LIKELY                           |
| Augusta Wastewater Treatment Facility        | 0023272       | Eau Claire | INDIVIDUAL VARIANCE         | 0.075  | Municipal    | LIKELY                           |
| Avoca Wastewater Treatment Facility          | 0060151       | Iowa       | INDIVIDUAL VARIANCE         | 0.075  | Municipal    | LIKELY                           |
| Browntown Wastewater Treatment Facility      | 0032051       | Green      | INDIVIDUAL VARIANCE         | 0.075  | Municipal    | LIKELY                           |
| Chelsea Sanitary District                    | 0035718       | Taylor     | INDIVIDUAL VARIANCE         | 0.075  | Municipal    | LIKELY                           |

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| Clayton Village of                           | 0036706       | Polk        | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |
| Clyman Wastewater Treatment Facility         | 0020702       | Dodge       | INDIVIDUAL VARIANCE         | 0.168   | Municipal    | LIKELY                           |
| Dallas Village of                            | 0023698       | Barron      | INDIVIDUAL VARIANCE         | 0.730   | Municipal    | LIKELY                           |
| Dodge Sanitary District No 1                 | 0061191       | Trempealeau | INDIVIDUAL VARIANCE         | 0.100   | Municipal    | LIKELY                           |
| Gays Mills Wastewater Treatment Facility     | 0022268       | Crawford    | INDIVIDUAL VARIANCE         | 0.100   | Municipal    | LIKELY                           |
| Gibbsville Sanitary District                 | 0031577       | Sheboygan   | INDIVIDUAL VARIANCE         | 0.589   | Municipal    | LIKELY                           |
| Glen Flora Village of                        | 0029963       | Rusk        | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |
| Gratiot Wastewater Treatment Facility        | 0024139       | Lafayette   | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |
| Highland Wastewater Treatment Facility       | 0036790       | Iowa        | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |
| Kossuth Sanitary District No. 2 WWTF         | 0035874       | Manitowoc   | INDIVIDUAL VARIANCE         | 0.858   | Municipal    | LIKELY                           |
| Lime Ridge Wastewater Treatment Facility     | 0036447       | Sauk        | INDIVIDUAL VARIANCE         | 0.171   | Municipal    | LIKELY                           |
| Merrillan Wastewater Treatment Facility      | 0024732       | Jackson     | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |
| Milladore Wastewater Treatment Facility      | 0022381       | Wood        | INDIVIDUAL VARIANCE         | 0.366   | Municipal    | LIKELY                           |
| Mindoro San Dist 1 WWTF                      | 0029106       | La Crosse   | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |
| Oakdale Wastewater Treatment Facility        | 0031259       | Monroe      | INDIVIDUAL VARIANCE         | 0.368   | Municipal    | LIKELY                           |
| Ontario Wastewater Treatment Facility        | 0020753       | Vernon      | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |
| Orfordville Wastewater Treatment Facility    | 0021709       | Rock        | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |
| Poplar Village of                            | 0049760       | Douglas     | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |
| Potosi-Tennyson Sewage Commission WWTF       | 0021547       | Grant       | INDIVIDUAL VARIANCE         | 0.100   | Municipal    | LIKELY                           |
| Readstown Wastewater Treatment Facility      | 0021661       | Vernon      | INDIVIDUAL VARIANCE         | 0.100   | Municipal    | LIKELY                           |
| Rib Lake Village of                          | 0029017       | Taylor      | INDIVIDUAL VARIANCE         | 0.366   | Municipal    | LIKELY                           |
| Rockdale Wastewater Treatment Facility       | 0026352       | Dane        | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |
| Roxbury Sanitary District #1 WWTF            | 0028975       | Dane        | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |
| Saxon Sanitary District #1                   | 0031704       | Iron        | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |
| Siren, Village of                            | 0028924       | Burnett     | INDIVIDUAL VARIANCE         | 0.040   | Municipal    | LIKELY                           |
| Soldiers Grove Wastewater Treatment Facility | 0022241       | Crawford    | INDIVIDUAL VARIANCE         | 0.100   | Municipal    | LIKELY                           |
| South Wayne Wastewater Treatment Facility    | 0022292       | Lafayette   | INDIVIDUAL VARIANCE         | 0.100   | Municipal    | LIKELY                           |
| St Joseph Sanitary District                  | 0031186       | La Crosse   | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |
| Stetsonville, Village of                     | 0060216       | Taylor      | INDIVIDUAL VARIANCE         | 0.164   | Municipal    | LIKELY                           |
| Wilton Wastewater Treatment Facility         | 0022462       | Monroe      | INDIVIDUAL VARIANCE         | 0.075   | Municipal    | LIKELY                           |

| Facility Name   | Permit Number | County      | Phosphorus Planning Outcome | Phosphorus Limit (mg/L)<br>(Lowest of TBEL, NR 217.13 WQBEL, or TMDL-equivalent) | MDV Category | Major Facility Upgrade Required? |
|---|---------------|-------------|-----------------------------|--|--------------|----------------------------------|
| AFP advanced food products llc                        | 0039781       | Polk        | LAND APPLICATION            | NO LIMIT   | NCCW         | NO                               |
| Anderson Custom Processing                            | 0065455       | Dane        | LAND APPLICATION            | NO LIMIT   | Other        | NO                               |
| Archer Daniels Midland Company                        | 0057592       | Chippewa    | LAND APPLICATION            | NO LIMIT   | NCCW         | NO                               |
| Bay City Village                                      | 0061255       | Pierce      | LAND APPLICATION            | NO LIMIT   | Municipal    | NO                               |
| Deer Park Wastewater Treatment Facility               | 0025356       | St. Croix   | LAND APPLICATION            | 3.500  | Municipal    | NO                               |
| Del Monte Foods Inc - Cambria Plant #108              | 0026620       | Columbia    | LAND APPLICATION            | 0.000  | Food         | NO                               |
| Foremost Farms USA Clayton                            | 0003018       | Polk        | LAND APPLICATION            | NO LIMIT   | NCCW         | NO                               |
| Foremost Farms USA Marshfield                         | 0037982       | Wood        | LAND APPLICATION            | NO LIMIT   | NCCW         | NO                               |
| Green Lake Sanitary District                          | 0036846       | Green Lake  | LAND APPLICATION            | 0.082  | Municipal    | NO                               |
| Newton Meats And Sausage                              | 0042650       | Manitowoc   | LAND APPLICATION            | 0.048  | NCCW         | NO                               |
| Packerland Whey Products Inc                          | 0070581       | Kewaunee    | LAND APPLICATION            | NO LIMIT   | Cheese       | NO                               |
| Seneca Foods Corporation Oakfield                     | 0002267       | Fond Du Lac | LAND APPLICATION            | NO LIMIT   | Food         | NO                               |
| Weyauwega Star Dairy                                  | 0039527       | Waupaca     | LAND APPLICATION            | NO LIMIT   | NCCW         | NO                               |
| Abbyland Foods Abbotsford Plan                        | 0057436       | Marathon    | MAJOR FACILITY UPGRADE      | 0.145  | Food         | NO                               |
| AMPI Jim Falls Division                               | 0003476       | Chippewa    | MAJOR FACILITY UPGRADE      | 0.100  | NCCW         | NO                               |
| Appleton Wastewater Treatment Facility                | 0023221       | Outagamie   | MAJOR FACILITY UPGRADE      | 0.177  | Municipal    | NO                               |
| Badger State Ethanol LLC                              | 0062103       | Green       | MAJOR FACILITY UPGRADE      | 0.092  | NCCW         | NO                               |
| Baldwin Wastewater Treatment Facility                 | 0026891       | St. Croix   | MAJOR FACILITY UPGRADE      | 0.075  | Municipal    | NO                               |
| BelGioioso Cheese Inc                                 | 0051128       | Brown       | MAJOR FACILITY UPGRADE      | 0.169  | NCCW         | NO                               |
| Bloomer Wastewater Treatment Facility                 | 0020575       | Chippewa    | MAJOR FACILITY UPGRADE      | 0.075  | Municipal    | NO                               |
| Bloomfield Village                                    | 0049794       | Walworth    | MAJOR FACILITY UPGRADE      | 0.082  | Municipal    | NO                               |
| Brookfield, City of                                   | 0023469       | Waukesha    | MAJOR FACILITY UPGRADE      | 0.075  | Municipal    | NO                               |
| Chetek City of  | 0021598       | Barron      | MAJOR FACILITY UPGRADE      | 0.075  | Municipal    | NO                               |
| Clear Lake Village of                                 | 0023639       | Polk        | MAJOR FACILITY UPGRADE      | 0.075  | Municipal    | NO                               |
| Coleman Wastewater Treatment Facility                 | 0022080       | Marinette   | MAJOR FACILITY UPGRADE      | 0.420  | Municipal    | NO                               |
| Consolidated Koshkonong Sanitary Dist                 | 0021059       | Rock        | MAJOR FACILITY UPGRADE      | 0.435  | Municipal    | NO                               |
| Dairyland Power Coop Alma site                        | 0040223       | Buffalo     | MAJOR FACILITY UPGRADE      | 0.060  | Power        | NO                               |
| Delafield Hartland Water Pollution Control Commission | 0032026       | Waukesha    | MAJOR FACILITY UPGRADE      | 0.128  | Municipal    | NO                               |
| Fort Atkinson Wastewater Treatment Facility           | 0022489       | Jefferson   | MAJOR FACILITY UPGRADE      | 0.471  | Municipal    | NO                               |
| Fox West Regional Sewerage Commission                 | 0024686       | Winnebago   | MAJOR FACILITY UPGRADE      | 0.140  | Municipal    | NO                               |



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| Georgia-Pacific Consumer Operations LLC      | 0001848       | Brown       | MAJOR FACILITY UPGRADE      | 0.182   | Paper        | NO                               |
| Georgia-Pacific Consumer Operations LLC      | 0001261       | Brown       | MAJOR FACILITY UPGRADE      | 0.210   | Paper        | NO                               |
| Grassland Dairy Products Inc                 | 0002984       | Clark       | MAJOR FACILITY UPGRADE      | 0.075   | Cheese       | NO                               |
| Hartford Water Pollution Control Facility    | 0020192       | Washington  | MAJOR FACILITY UPGRADE      | 0.075   | Municipal    | NO                               |
| Heart of the Valley Metro Sewerage District  | 0031232       | Outagamie   | MAJOR FACILITY UPGRADE      | 0.150   | Municipal    | NO                               |
| Holmen Wastewater Treatment Facility         | 0024261       | La Crosse   | MAJOR FACILITY UPGRADE      | 0.075   | Municipal    | NO                               |
| Howards Grove Wastewater Trtmt Fac           | 0021679       | Sheboygan   | MAJOR FACILITY UPGRADE      | 0.265   | Municipal    | NO                               |
| Ixonia Utility District #1 WWTF              | 0031038       | Jefferson   | MAJOR FACILITY UPGRADE      | 0.860   | Municipal    | NO                               |
| Jackson (Village) Wastewater Treatment Plant | 0021806       | Washington  | MAJOR FACILITY UPGRADE      | 0.143   | Municipal    | NO                               |
| Jamestown Sanitary District No 3 WWTF        | 0031755       | Grant       | MAJOR FACILITY UPGRADE      | 0.075   | Municipal    | NO                               |
| La Crosse, City of                           | 0029581       | La Crosse   | MAJOR FACILITY UPGRADE      | 0.100   | Municipal    | NO                               |
| Lactalis USA Belmont Inc                     | 0054470       | Lafayette   | MAJOR FACILITY UPGRADE      | 0.075   | Cheese       | NO                               |
| Little Suamico Sanitary District No 1        | 0031968       | Oconto      | MAJOR FACILITY UPGRADE      | 0.075   | Municipal    | NO                               |
| Mayville Wastewater Treatment Facility       | 0024643       | Dodge       | MAJOR FACILITY UPGRADE      | 0.163   | Municipal    | NO                               |
| McCain Foods USA Inc Plover                  | 0054518       | Portage     | MAJOR FACILITY UPGRADE      | 0.316   | Food         | NO                               |
| Medford City of                              | 0036731       | Taylor      | MAJOR FACILITY UPGRADE      | 0.075   | Municipal    | NO                               |
| Menomonie Wastewater Treatment Facility      | 0024708       | Dunn        | MAJOR FACILITY UPGRADE      | 0.100   | Municipal    | NO                               |
| Neenah Inc., Neenah Mill                     | 0037842       | Winnebago   | MAJOR FACILITY UPGRADE      | 0.246   | Paper        | NO                               |
| Neenah Menasha Sewerage Commission           | 0026085       | Winnebago   | MAJOR FACILITY UPGRADE      | 0.170   | Municipal    | NO                               |
| New Glarus Wastewater Treatment Facility     | 0020061       | Green       | MAJOR FACILITY UPGRADE      | 0.120   | Municipal    | NO                               |
| Newburg Village                              | 0024911       | Washington  | MAJOR FACILITY UPGRADE      | 0.500   | Municipal    | NO                               |
| Oshkosh Wastewater Treatment Plant           | 0025038       | Winnebago   | MAJOR FACILITY UPGRADE      | 0.318   | Municipal    | NO                               |
| Random Lake Village                          | 0021415       | Sheboygan   | MAJOR FACILITY UPGRADE      | 0.075   | Municipal    | NO                               |
| Reedsburg Wastewater Treatment Facility      | 0020371       | Sauk        | MAJOR FACILITY UPGRADE      | 0.366   | Municipal    | NO                               |
| Roberts Wastewater Treatment Facility        | 0028835       | St. Croix   | MAJOR FACILITY UPGRADE      | 0.040   | Municipal    | NO                               |
| Saputo Cheese USA Inc Lena                   | 0027308       | Oconto      | MAJOR FACILITY UPGRADE      | 0.170   | Cheese       | NO                               |
| Saputo Cheese USA Inc Waupun                 | 0002003       | Fond Du Lac | MAJOR FACILITY UPGRADE      | 0.075   | Cheese       | NO                               |
| Saukville Village Sewer Utility              | 0021555       | Ozaukee     | MAJOR FACILITY UPGRADE      | 0.150   | Municipal    | NO                               |
| Shullsburg Wastewater Treatment Facility     | 0028321       | Lafayette   | MAJOR FACILITY UPGRADE      | 0.075   | Municipal    | NO                               |
| Stanley Wastewater Treatment Facility        | 0021857       | Chippewa    | MAJOR FACILITY UPGRADE      | 0.075   | Municipal    | NO                               |

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|--|---------------|-------------|-----------------------------|---|--------------|----------------------------------|
| Sun Prairie Wastewater Treatment Facility    | 0020478       | Dane        | MAJOR FACILITY UPGRADE      | 0.075   | Municipal    | NO                               |
| Sussex Wastewater Treatment Facility         | 0020559       | Waukesha    | MAJOR FACILITY UPGRADE      | 0.075   | Municipal    | NO                               |
| Transcontinental Menasha                     | 0026999       | Winnebago   | MAJOR FACILITY UPGRADE      | 0.351   | NCCW         | NO                               |
| Turtle Lake Village of                       | 0025631       | Barron      | MAJOR FACILITY UPGRADE      | 0.075   | Municipal    | NO                               |
| Walworth County Metro                        | 0031461       | Walworth    | MAJOR FACILITY UPGRADE      | 0.144   | Municipal    | NO                               |
| Waukesha City                                | 0029971       | Waukesha    | MAJOR FACILITY UPGRADE      | 0.075   | Municipal    | NO                               |
| Waupun Wastewater Treatment Facility         | 0022772       | Dodge       | MAJOR FACILITY UPGRADE      | 0.068   | Municipal    | NO                               |
| West Bend City                               | 0025763       | Washington  | MAJOR FACILITY UPGRADE      | 0.000   | Municipal    | NO                               |
| Abbotsford Wastewater Treatment Facility     | 0023141       | Marathon    | MDV                         | 0.163   | Municipal    | LIKELY                           |
| Abrams Sanitary District 1                   | 0049859       | Oconto      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Agropur Inc Luxemburg                        | 0050237       | Kewaunee    | MDV                         | 0.123   | Cheese       | LIKELY                           |
| Ahlstrom-Munksjo NA Specialty Solutions LLC  | 0001473       | Outagamie   | MDV                         | 0.108   | Paper        | LIKELY                           |
| Almena Village of                            | 0023183       | Barron      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| AMPI Blair Cheese Plant                      | 0003760       | Trempealeau | MDV                         | 0.075   | NCCW         | LIKELY                           |
| Appleton Property Ventures LLC               | 0000990       | Outagamie   | MDV                         | 0.203   | Paper        | LIKELY                           |
| Auburndale Wastewater Treatment Facility     | 0022411       | Wood        | MDV                         | 0.299   | Municipal    | LIKELY                           |
| Bagley Wastewater Treatment Facility         | 0060771       | Grant       | MDV                         | 0.1   | Municipal    | LIKELY                           |
| Barneveld Wastewater Treatment Facility      | 0029131       | Iowa        | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Belgium Wastewater Treatment Facility        | 0023353       | Ozaukee     | MDV                         | 0.577   | Municipal    | LIKELY                           |
| Benton Wastewater Treatment Facility         | 0020672       | Lafayette   | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Black Creek Wastewater Treatment Facility    | 0021041       | Outagamie   | MDV                         | 0.174   | Municipal    | LIKELY                           |
| Black River Falls WWTF                       | 0021954       | Jackson     | MDV                         | 0.1   | Municipal    | LIKELY                           |
| Blanchardville Wastewater Treatment Facility | 0021105       | Lafayette   | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Blue River Wastewater Treatment Facility     | 0023418       | Grant       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Bristol Utility District 1                   | 0022021       | Kenosha     | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Cadott Wastewater Treatment Facility         | 0023515       | Chippewa    | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Cascade Wastewater Treatment Facility        | 0031372       | Sheboygan   | MDV                         | 0.100   | Municipal    | LIKELY                           |
| Casco Wastewater Treatment Facility          | 0023566       | Kewaunee    | MDV                         | 1.471   | Municipal    | LIKELY                           |
| Cashton Wastewater Treatment Facility        | 0020915       | Monroe      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Cazenovia Wastewater Treatment Facility      | 0031801       | Sauk        | MDV                         | 0.334   | Municipal    | LIKELY                           |

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|--|---------------|-------------|-----------------------------|---|--------------|----------------------------------|
| Cedar Grove Cheese Factory                   | 0050245       | Sauk        | MDV                         | 0.075   | Cheese       | LIKELY                           |
| City of Fond du Lac WTRRF                    | 0023990       | Fond Du Lac | MDV                         | 0.274   | Municipal    | NO                               |
| Clark County Health Care Center WWTF         | 0029700       | Clark       | MDV                         | 0.075   | Other        | LIKELY                           |
| Clinton Wastewater Treatment Facility        | 0022039       | Rock        | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Colby City WWTF                              | 0023655       | Marathon    | MDV                         | 0.138   | Municipal    | NO                               |
| Crystal Lake Sanitary District               | 0035114       | Barron      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Curtiss Wastewater Treatment Facility        | 0031445       | Clark       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Dale Sanitary District No 1 WWTF             | 0030830       | Outagamie   | MDV                         | 0.429   | Municipal    | LIKELY                           |
| De Soto Wastewater Treatment Facility        | 0029793       | Crawford    | MDV                         | 0.1   | Municipal    | LIKELY                           |
| Dickeyville Wastewater Treatment Facility    | 0023817       | Grant       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Dodgeville Wastewater Treatment Facility     | 0026913       | Iowa        | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Domtar - Nekoosa                             | 0003620       | Wood        | MDV                         | 0.340   | Paper        | NO                               |
| Domtar Paper Co LLC                          | 0026042       | Marathon    | MDV                         | 0.349   | Paper        | NO                               |
| Dorchester Wastewater Treatment Facility     | 0021571       | Clark       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Downsville Sanitary District #1 WWTF         | 0031682       | Dunn        | MDV                         | 0.1   | Municipal    | LIKELY                           |
| Eagle Lake Sewer Utility                     | 0031526       | Racine      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| East Troy Wastewater Treatment Facility      | 0020397       | Walworth    | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Eden Wastewater Treatment Facility           | 0030716       | Fond Du Lac | MDV                         | 0.223   | Municipal    | LIKELY                           |
| Edgar Wastewater Treatment Facility          | 0021784       | Marathon    | MDV                         | 0.322   | Municipal    | LIKELY                           |
| Ellsworth Coop Creamery                      | 0022942       | Pierce      | MDV                         | 0.075   | Cheese       | LIKELY                           |
| Ellsworth Wastewater Treatment Facility      | 0021253       | Pierce      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Ettrick Wastewater Treatment Facility        | 0020621       | Trempealeau | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Fennimore Wastewater Treatment Facility      | 0023981       | Grant       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Fenwood Wastewater Treatment Facility        | 0031411       | Marathon    | MDV                         | 0.153   | Municipal    | LIKELY                           |
| Fonks Home Center Inc., Harvest View Estates | 0026689       | Racine      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Fonks Home Center Inc., Hickory Haven        | 0030660       | Racine      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Foremost Farms USA Chilton                   | 0027618       | Calumet     | MDV                         | 0.210   | Cheese       | LIKELY                           |
| Foremost Farms USA Lancaster                 | 0062308       | Grant       | MDV                         | 0.075   | Cheese       | LIKELY                           |
| Foremost Farms USA Plover                    | 0003859       | Portage     | MDV                         | 0.234   | Cheese       | LIKELY                           |
| Fountain City WWTF                           | 0024040       | Buffalo     | MDV                         | 0.1   | Municipal    | LIKELY                           |

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|---|---------------|-------------|-----------------------------|---|--------------|----------------------------------|
| Galesville Wastewater Treatment Plant       | 0021725       | Trempealeau | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Genoa City Village                          | 0021083       | Walworth    | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Genoa Wastewater Treatment Facility         | 0022284       | Vernon      | MDV                         | 0.100   | Municipal    | LIKELY                           |
| Grande Cheese Co Brownsville                | 0050016       | Dodge       | MDV                         | 0.689   | Cheese       | LIKELY                           |
| Grande Cheese Company - Juda                | 0063207       | Green       | MDV                         | 0.075   | Cheese       | LIKELY                           |
| Granton Wastewater Treatment Facility       | 0020885       | Clark       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Green Lake Wastewater Treatment Facility    | 0021776       | Green Lake  | MDV                         | 0.607   | Municipal    | LIKELY                           |
| Hatfield Sanitary District                  | 0036641       | Jackson     | MDV                         | 0.1   | Municipal    | LIKELY                           |
| Hazel Green Wastewater Treatment Facility   | 0024210       | Grant       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Hilbert Wastewater Treatment Facility       | 0021270       | Calumet     | MDV                         | 0.266   | Municipal    | LIKELY                           |
| Hillsboro Wastewater Treatment Facility     | 0020583       | Vernon      | MDV                         | 0.227   | Municipal    | LIKELY                           |
| Hillshire Brands Co.                        | 0023094       | Outagamie   | MDV                         | 0.206   | Food         | LIKELY                           |
| Hollandale Wastewater Treatment Facility    | 0031330       | Iowa        | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Horicon Wastewater Treatment Facility       | 0020231       | Dodge       | MDV                         | 0.063   | Municipal    | LIKELY                           |
| Hub Rock Sanitary District #1 WWTF          | 0049689       | Richland    | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Hustler Wastewater Treatment Facility       | 0032085       | Juneau      | MDV                         | 0.156   | Municipal    | LIKELY                           |
| Independence Wastewater Treatment Plant     | 0024287       | Trempealeau | MDV                         | 0.1   | Municipal    | LIKELY                           |
| Iron Ridge Wastewater Treatment Facility    | 0020486       | Dodge       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Jamestown Sanitary District No 2 WWTF       | 0030627       | Grant       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Jennie O Turkey Store Inc Barron Plant      | 0070408       | Barron      | MDV                         | 0.075   | Food         | LIKELY                           |
| Johnsonville LLC                            | 0001759       | Sheboygan   | MDV                         | 0.056   | Food         | LIKELY                           |
| Junction City Wastewater Treatment Facility | 0028070       | Portage     | MDV                         | 0.367   | Municipal    | LIKELY                           |
| Kendall Wastewater Treatment Facility       | 0020516       | Monroe      | MDV                         | 0.249   | Municipal    | LIKELY                           |
| Krakow Sanitary District WWTF               | 0028169       | Shawano     | MDV                         | 0.075   | Municipal    | LIKELY                           |
| La Farge Wastewater Treatment Plant         | 0024465       | Vernon      | MDV                         | 0.1   | Municipal    | LIKELY                           |
| Lake Mills Wastewater Treatment Facility    | 0031194       | Jefferson   | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Lakeland Sanitary District # 1              | 0061387       | Barron      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Lakeside Foods Inc - Reedsburg              | 0057738       | Sauk        | MDV                         | 0.087   | Food         | LIKELY                           |
| Lakeside Foods, Inc. - Belgium Plant        | 0000817       | Ozaukee     | MDV                         | 0.746   | Food         | LIKELY                           |
| Lakeview Neurological Rehab Center-Midwest  | 0029807       | Racine      | MDV                         | 0.075   | Municipal    | LIKELY                           |

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|---|---------------|-------------|-----------------------------|---|--------------|----------------------------------|
| Lancaster Wastewater Treatment Facility     | 0024503       | Grant       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Larsen Winchester SD WWTF                   | 0031925       | Winnebago   | MDV                         | 0.017   | Municipal    | LIKELY                           |
| Lebanon Sanitary District #1 WWTF           | 0031364       | Dodge       | MDV                         | 1.199   | Municipal    | LIKELY                           |
| Lena Wastewater Treatment Facility          | 0061361       | Oconto      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Linden Wastewater Treatment Facility        | 0021580       | Iowa        | MDV                         | 0.25  | Municipal    | LIKELY                           |
| Livingston Wastewater Treatment Facility    | 0022187       | Grant       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Lomira Wastewater Treatment Facility        | 0020532       | Dodge       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Luck Village of                             | 0021482       | Polk        | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Lynn Dairy / Lynn Protein, Inc.             | 0051152       | Clark       | MDV                         | 0.075   | Cheese       | LIKELY                           |
| Lyons Sanitary District No 2                | 0031941       | Walworth    | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Maine Wastewater Treatment Facility         | 0022136       | Marathon    | MDV                         | 0.361   | Municipal    | LIKELY                           |
| Marathon Water & Sewer Department           | 0020273       | Marathon    | MDV                         | 0.366   | Municipal    | LIKELY                           |
| Maribel Wastewater Treatment Facility       | 0061051       | Manitowoc   | MDV                         | 0.927   | Municipal    | LIKELY                           |
| Melrose Wastewater Treatment Facility       | 0024678       | Jackson     | MDV                         | 0.1   | Municipal    | LIKELY                           |
| Milan S D Wastewater Treatment Facility     | 0031500       | Marathon    | MDV                         | 0.162   | Municipal    | LIKELY                           |
| Milk Specialties Global - Adell             | 0001236       | Sheboygan   | MDV                         | 0.380   | Cheese       | LIKELY                           |
| Mondovi Wastewater Treatment Facility       | 0020591       | Buffalo     | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Morrison Sanitary District No 1             | 0036773       | Brown       | MDV                         | 0.743   | Municipal    | LIKELY                           |
| Mount Calvary Wastewater Treatment Facility | 0035963       | Fond Du Lac | MDV                         | 0.203   | Municipal    | LIKELY                           |
| Mount Hope Wastewater Treatment Facility    | 0020907       | Grant       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Neillsville Wastewater Treatment Facility   | 0021202       | Clark       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Nekoosa Wastewater Treatment Facility       | 0020613       | Wood        | MDV                         | 0.364   | Municipal    | LIKELY                           |
| North Lake Poygan S D WWTF                  | 0036251       | Winnebago   | MDV                         | 0.532   | Municipal    | LIKELY                           |
| Norwalk Wastewater Treatment Facility       | 0024961       | Monroe      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Onion River Wastewater Commission           | 0036811       | Sheboygan   | MDV                         | 0.114   | Municipal    | LIKELY                           |
| Osseo Wastewater Treatment Facility         | 0025046       | Trempealeau | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Owen Wastewater Treatment Facility          | 0020940       | Clark       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Paddock Lake Wastewater TRTMNT FAC          | 0025062       | Kenosha     | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Palmyra Wastewater Treatment Facility       | 0031020       | Jefferson   | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Patch Grove Wastewater Treatment Facility   | 0022705       | Grant       | MDV                         | 0.075   | Municipal    | LIKELY                           |

| Facility Name                                | Permit Number | County      | Phosphorus Planning Outcome | Phosphorus Limit (mg/L) (Lowest of TBEL, NR 217.13 WQBEL, or TMDL-equivalent) | MDV Category | Major Facility Upgrade Required? |
|--|---------------|-------------|-----------------------------|---|--------------|----------------------------------|
| Phillips City of                             | 0021539       | Price       | MDV                         | 0.040   | Municipal    | LIKELY                           |
| Pittsville Water And Sewer Dept WWTF         | 0020494       | Wood        | MDV                         | 0.092   | Municipal    | LIKELY                           |
| Platteville Wastewater Treatment Facility    | 0020435       | Grant       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Potter Wastewater Treatment Facility         | 0029025       | Calumet     | MDV                         | 0.929   | Municipal    | LIKELY                           |
| Poygan Poy Sippi SD 1 WWTF                   | 0035513       | Winnebago   | MDV                         | 0.332   | Municipal    | LIKELY                           |
| Prescott Wastewater Treatment Facility       | 0022403       | Pierce      | MDV                         | 0.100   | Municipal    | LIKELY                           |
| Randolph Wastewater Treatment Facility       | 0031160       | Dodge       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Reedsville Wastewater Treatment Facility     | 0021342       | Manitowoc   | MDV                         | 0.251   | Municipal    | LIKELY                           |
| Rewey Wastewater Treatment Facility          | 0031569       | Iowa        | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Richland Center Wastewater Treatment Fac     | 0020109       | Richland    | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Ridgeway Wastewater Treatment Facility       | 0031348       | Iowa        | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Rockland SD1 Wastewater Treatment Facility   | 0022802       | Manitowoc   | MDV                         | 0.251   | Municipal    | LIKELY                           |
| Rozellville Sanitary District No 1           | 0029076       | Marathon    | MDV                         | 0.125   | Municipal    | LIKELY                           |
| Rushing Waters Fisheries, Inc                | 0002488       | Jefferson   | MDV                         | 0.075   | Fish         | LIKELY                           |
| Salem Lakes, Village                         | 0031496       | Kenosha     | MDV                         | 0.100   | Municipal    | LIKELY                           |
| Seneca Foods Corporation Gillett             | 0000345       | Oconto      | MDV                         | 0.11  | NCCW         | LIKELY                           |
| Sharon Wastewater Treatment Facility         | 0022608       | Walworth    | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Spring Green Golf Club Sanitary Dist #2 WWTF | 0028363       | Iowa        | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Spring Valley Wastewater Treatment Facility  | 0022373       | Pierce      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| St Cloud Village Utility Commission          | 0026867       | Fond Du Lac | MDV                         | 0.207   | Municipal    | LIKELY                           |
| Stitzer Sanitary District WWTF               | 0036285       | Grant       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Stoddard Wastewater Treatment Facility       | 0028304       | Vernon      | MDV                         | 0.100   | Municipal    | LIKELY                           |
| Taylor Wastewater Treatment Facility         | 0021881       | Jackson     | MDV                         | 0.075   | Municipal    | LIKELY                           |
| The Procter & Gamble Paper Products Co       | 0001031       | Brown       | MDV                         | 0.044   | Paper        | LIKELY                           |
| Theresa Wastewater Treatment Facility        | 0022322       | Dodge       | MDV                         | 0.527   | Municipal    | LIKELY                           |
| Thorp Wastewater Treatment Facility          | 0025615       | Clark       | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Trempealeau Wastewater Treatment Facility    | 0020966       | Trempealeau | MDV                         | 0.100   | Municipal    | LIKELY                           |
| Twin Lakes Wastewater Treatment Fac          | 0021695       | Kenosha     | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Union Center Wastewater Treatment Facility   | 0025640       | Juneau      | MDV                         | 0.102   | Municipal    | LIKELY                           |
| Unity Wastewater Treatment Facility          | 0060526       | Clark       | MDV                         | 0.059   | Municipal    | LIKELY                           |

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|---|---------------|-------------|-----------------------------|---|--------------|----------------------------------|
| Valders Wastewater Treatment Facility         | 0021831       | Manitowoc   | MDV                         | 0.258   | Municipal    | LIKELY                           |
| Valley Ridge Clean Water Commission WWTF      | 0036854       | Crawford    | MDV                         | 0.100   | Municipal    | LIKELY                           |
| Vesper Wastewater Treatment Facility          | 0030309       | Wood        | MDV                         | 0.188   | Municipal    | LIKELY                           |
| Village of Kewaskum                           | 0021733       | Washington  | MDV                         | 0.110   | Municipal    | LIKELY                           |
| Village of Union Grove                        | 0028291       | Racine      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Viola Wastewater Treatment Facility           | 0021148       | Vernon      | MDV                         | 0.100   | Municipal    | LIKELY                           |
| Watertown Wastewater Treatment Facility       | 0028541       | Jefferson   | MDV                         | 0.282   | Municipal    | LIKELY                           |
| Waumandee Sanitary District #1                | 0061646       | Buffalo     | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Wazee Area Wastewater Commission              | 0036889       | Jackson     | MDV                         | 0.1   | Municipal    | LIKELY                           |
| Westfield Wastewater Treatment Facility       | 0022250       | Marquette   | MDV                         | 0.292   | Municipal    | LIKELY                           |
| Wheatland Estates MHC WI LLC                  | 0031011       | Kenosha     | MDV                         | 0.1   | Municipal    | LIKELY                           |
| Whitehall Wastewater Treatment Facility       | 0030970       | Trempealeau | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Whitelaw Wastewater Treatment Facility        | 0022047       | Manitowoc   | MDV                         | 0.741   | Municipal    | LIKELY                           |
| Whitewater Wastewater Treatment Facil         | 0020001       | Walworth    | MDV                         | 0.12  | Municipal    | LIKELY                           |
| Wrightstown Sanitary District No 1 WWTF       | 0022438       | Brown       | MDV                         | 0.800   | Municipal    | LIKELY                           |
| Yorkville Sewer Utility District No 1         | 0029831       | Racine      | MDV                         | 0.075   | Municipal    | LIKELY                           |
| Antigo, City of                               | 0022144       | Langlade    | MINOR FACILITY UPGRADE      | 0.366   | Municipal    | NO                               |
| Arla Foods Production LLC                     | 0027197       | Brown       | MINOR FACILITY UPGRADE      | 1.565   | NCCW         | NO                               |
| Ashippun Sanitary District WWTF               | 0031381       | Dodge       | MINOR FACILITY UPGRADE      | 1.198   | Municipal    | NO                               |
| Bear Creek Wastewater Treatment Facility      | 0028061       | Outagamie   | MINOR FACILITY UPGRADE      | 1.231   | Municipal    | NO                               |
| Briggs Stratton Corporation                   | 0026514       | Milwaukee   | MINOR FACILITY UPGRADE      | 0.100   | NCCW         | NO                               |
| Brillion Wastewater Treatment Facility        | 0020443       | Calumet     | MINOR FACILITY UPGRADE      | 0.952   | Municipal    | NO                               |
| Brownsville Wastewater Treatment Facility     | 0021601       | Dodge       | MINOR FACILITY UPGRADE      | 0.689   | Municipal    | NO                               |
| Campbellsport Wastewater Treatment Facility   | 0020818       | Fond Du Lac | MINOR FACILITY UPGRADE      | 0.570   | Municipal    | NO                               |
| Chilton Wastewater Treatment Facility         | 0022799       | Calumet     | MINOR FACILITY UPGRADE      | 0.167   | Municipal    | NO                               |
| Clarks Mills Sanitary District                | 0036030       | Manitowoc   | MINOR FACILITY UPGRADE      | 0.233   | Municipal    | NO                               |
| Dousman Wastewater Treatment Facility         | 0021351       | Waukesha    | MINOR FACILITY UPGRADE      | 0.128   | Municipal    | NO                               |
| Elroy Wastewater Treatment Facility           | 0023931       | Juneau      | MINOR FACILITY UPGRADE      | 0.339   | Municipal    | NO                               |
| Essity Professional Hygiene North America LLC | 0037389       | Winnebago   | MINOR FACILITY UPGRADE      | 0.273   | Paper        | NO                               |
| Footville Wastewater Treatment Facility       | 0024023       | Rock        | MINOR FACILITY UPGRADE      | 2.243   | Municipal    | NO                               |

| Facility Name                                | Permit Number | County      | Phosphorus Planning Outcome | Phosphorus Limit (mg/L) (Lowest of TBEL, NR 217.13 WQBEL, or TMDL-equivalent) | MDV Category | Major Facility Upgrade Required? |
|--|---------------|-------------|-----------------------------|---|--------------|----------------------------------|
| Fredonia Municipal Sewer And Water Utility   | 0020800       | Ozaukee     | MINOR FACILITY UPGRADE      | 1.000   | Municipal    | NO                               |
| Great Lakes Research Institute               | 0045942       | Milwaukee   | MINOR FACILITY UPGRADE      | 0.239   | Fish         | NO                               |
| Hill Point Sanitary District WWTF            | 0035483       | Sauk        | MINOR FACILITY UPGRADE      | 0.328   | Municipal    | NO                               |
| Holland SD 1 Wastewater Treatment Facility   | 0028207       | Brown       | MINOR FACILITY UPGRADE      | 0.797   | Municipal    | NO                               |
| Kerry Biofunctional Ingredients Inc          | 0003875       | Marathon    | MINOR FACILITY UPGRADE      | 0.341   | Cheese       | NO                               |
| Lodi Wastewater Treatment Facility           | 0022918       | Columbia    | MINOR FACILITY UPGRADE      | 0.366   | Municipal    | NO                               |
| Lyndon Station Wastewater Treatment Facility | 0060488       | Juneau      | MINOR FACILITY UPGRADE      | 0.365   | Municipal    | NO                               |
| Milk Specialties Co, Inc                     | 0003107       | Grant       | MINOR FACILITY UPGRADE      | 0.570   | Cheese       | NO                               |
| Mullins Cheese Inc Marshfield                | 0053694       | Marathon    | MINOR FACILITY UPGRADE      | 0.234   | Cheese       | NO                               |
| Necedah Wastewater Treatment Facility        | 0020133       | Juneau      | MINOR FACILITY UPGRADE      | 0.366   | Municipal    | NO                               |
| New Holstein Wastewater Treatment Facility   | 0020893       | Calumet     | MINOR FACILITY UPGRADE      | 0.138   | Municipal    | NO                               |
| North Freedom Wastewater Treatment Facility  | 0028011       | Sauk        | MINOR FACILITY UPGRADE      | 0.366   | Municipal    | NO                               |
| ODells Bay Sanitary District No. 1           | 0036536       | Juneau      | MINOR FACILITY UPGRADE      | 0.365   | Municipal    | NO                               |
| Phelps Sanitary District #1                  | 0029050       | Vilas       | MINOR FACILITY UPGRADE      | 0.365   | Municipal    | NO                               |
| Prairie Farm Village of                      | 0025178       | Barron      | MINOR FACILITY UPGRADE      | 0.000   | Municipal    | NO                               |
| Rhineland, City of                           | 0020044       | Oneida      | MINOR FACILITY UPGRADE      | 0.389   | Municipal    | NO                               |
| Ripon Wastewater Treatment Facility          | 0021032       | Fond du Lac | MINOR FACILITY UPGRADE      | 0.306   | Municipal    | NO                               |
| Sartori Company-West Main Building           | 0041904       | Sheboygan   | MINOR FACILITY UPGRADE      | 0.293   | NCCW         | NO                               |
| Sherwood Wastewater Treatment Facility       | 0031127       | Calumet     | MINOR FACILITY UPGRADE      | 0.595   | Municipal    | NO                               |
| Stockbridge Wastewater Treatment Facility    | 0021393       | Calumet     | MINOR FACILITY UPGRADE      | 0.266   | Municipal    | NO                               |
| TA Operating LLC                             | 0035998       | Columbia    | MINOR FACILITY UPGRADE      | 0.353   | Municipal    | NO                               |
| Waterloo Wastewater Treatment Facility       | 0030881       | Jefferson   | MINOR FACILITY UPGRADE      | 0.218   | Municipal    | NO                               |
| Wonewoc Wastewater Treatment Facility        | 0029688       | Juneau      | MINOR FACILITY UPGRADE      | 0.365   | Municipal    | NO                               |
| Wrightstown Wastewater Treatment Facility    | 0022497       | Brown       | MINOR FACILITY UPGRADE      | 0.683   | Municipal    | NO                               |
| Amani Sanitary District                      | 0031861       | Polk        | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Amnicon Foundation                           | 0026808       | Douglas     | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Applied Material Solutions Inc Burlington    | 0065684       | Racine      | NO LIMIT                    | NO LIMIT  | Other        | NO                               |
| Arkansaw Wastewater Treatment Facility       | 0060232       | Pepin       | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Arlington Wastewater Treatment Facility      | 0021512       | Columbia    | NO LIMIT                    | 0.381   | Municipal    | NO                               |
| Aurora Sanitary District # 1                 | 0031852       | Florence    | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |



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|--|---------------|------------|-----------------------------|---|--------------|----------------------------------|
| Badger Meter Inc                               | 0033529       | Milwaukee  | NO LIMIT                    | NO LIMIT  | NCCW         | NO                               |
| Bay Valley Foods LLC                           | 0037702       | Brown      | NO LIMIT                    | NO LIMIT  | NCCW         | NO                               |
| BNSF Railway Company                           | 0070726       | Douglas    | NO LIMIT                    | NO LIMIT  | Other        | NO                               |
| Boaz Wastewater Treatment Facility             | 0036749       | Richland   | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Bostwick Valley MHP WWTF                       | 0028908       | La Crosse  | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Brighton Dale Links WWTP                       | 0060348       | Kenosha    | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Cady Cheese LLC                                | 0053597       | St. Croix  | NO LIMIT                    | NO LIMIT  | Cheese       | NO                               |
| Chaseburg Wastewater Treatment Fac             | 0025348       | Vernon     | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Chemtrade Solutions LLC                        | 0065471       | Winnebago  | NO LIMIT                    | NO LIMIT  | Other        | NO                               |
| Columbia Forest Products                       | 0003735       | Ashland    | NO LIMIT                    | NO LIMIT  | Other        | NO                               |
| Crivitz Wastewater Treatment Facility          | 0060372       | Marinette  | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Didion Milling Inc - Ethanol Plant             | 0066401       | Columbia   | NO LIMIT                    | NO LIMIT  | Other        | NO                               |
| Drummond Sanitary District 1                   | 0031615       | Bayfield   | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Fall Creek Wastewater Treatment Facility       | 0025976       | Eau Claire | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Ferryville Wastewater Treatment Facility       | 0020974       | Crawford   | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Fish, Crystal and Mud Lake Rehabilitation Dist | 0049964       | Dane       | NO LIMIT                    | 0.000   | Other        | NO                               |
| Foremost Farms USA Milan                       | 0057541       | Marathon   | NO LIMIT                    | NO LIMIT  | NCCW         | NO                               |
| Foremost Farms USA Sparta                      | 0047546       | Monroe     | NO LIMIT                    | NO LIMIT  | NCCW         | NO                               |
| Gillett Wastewater Treatment Facility          | 0022063       | Oconto     | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Gilman, Village of                             | 0030937       | Taylor     | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Glidden Sanitary District                      | 0029599       | Ashland    | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Goodman Veneer and Lumber                      | 0065269       | Marinette  | NO LIMIT                    | NO LIMIT  | Other        | NO                               |
| Graf Creamery                                  | 0001732       | Shawano    | NO LIMIT                    | NO LIMIT  | NCCW         | NO                               |
| Grand Geneva Resort & Spa                      | 0029327       | Walworth   | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Grand View Sanitary District                   | 0035131       | Bayfield   | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Hormel Foods Corporation                       | 0025941       | Rock       | NO LIMIT                    | NO LIMIT  | NCCW         | NO                               |
| Kimberly Clark Corporation Marinette           | 0000540       | Marinette  | NO LIMIT                    | NO LIMIT  | Paper        | NO                               |
| Klondike Cheese Corp                           | 0054241       | Green      | NO LIMIT                    | NO LIMIT  | NCCW         | NO                               |
| Knight Town of                                 | 0028941       | Iron       | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |
| Lake Holcombe Sanitary District #1 WWTF        | 0028339       | Chippewa   | NO LIMIT                    | NO LIMIT  | Municipal    | NO                               |

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|---|---------------|-------------|-----------------------------|--|--------------|----------------------------------|
| Lakeside Foods Inc - Eden                     | 0000485       | Fond du Lac | NO LIMIT                    | NO LIMIT   | Food         | NO                               |
| Lakeside Foods Inc - Manitowoc Plant          | 0041475       | Manitowoc   | NO LIMIT                    | NO LIMIT   | NCCW         | NO                               |
| Lakeside Foods Inc - Random Lake              | 0032760       | Sheboygan   | NO LIMIT                    | NO LIMIT   | Food         | NO                               |
| Lakewood Sanitary District No 1               | 0049841       | Oconto      | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Laona Sanitary District #1                    | 0028592       | Forest      | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Maiden Rock Wastewater Treatment Facility     | 0032361       | Pierce      | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Maple Grove Estates Sanitary District         | 0036552       | La Crosse   | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Mellen City of                                | 0020311       | Ashland     | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Metallics Inc                                 | 0054500       | La Crosse   | NO LIMIT                    | NO LIMIT   | Other        | NO                               |
| MHC Rainbow Lake, LLC                         | 0030481       | Kenosha     | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Midwest Energy Resources Company              | 0038946       | Douglas     | NO LIMIT                    | NO LIMIT   | Power        | NO                               |
| Mule Hide Mfg. Company                        | 0003034       | Chippewa    | NO LIMIT                    | NO LIMIT   | Paper        | NO                               |
| Northern States Power Co. a Wisconsin Corp.   | 0070785       | La Crosse   | NO LIMIT                    | NO LIMIT   | NCCW         | NO                               |
| Ogema Sanitary District                       | 0028461       | Price       | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Payne and Dolan, Inc. - Capitol Sand & Gravel | 0033286       | Dane        | NO LIMIT                    | NO LIMIT   | Other        | NO                               |
| Pinewood Properties LLC                       | 0030911       | La Crosse   | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Port Wing Town Of                             | 0029670       | Bayfield    | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Premium Waters Inc                            | 0047147       | Oconto      | NO LIMIT                    | NO LIMIT   | Food         | NO                               |
| Radisson Village of                           | 0060798       | Sawyer      | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Rockland Water Sewer Utilities WWTF           | 0028967       | La Crosse   | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| School District of Superior                   | 0035866       | Douglas     | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Sevastopol SD No. 1 WWTF                      | 0026654       | Door        | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Sheldon Village of                            | 0025453       | Rusk        | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Sinsinawa Dominicans Inc WWTF                 | 0030520       | Grant       | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Springside Cheese Corporation                 | 0053015       | Oconto      | NO LIMIT                    | NO LIMIT   | NCCW         | NO                               |
| Suring Wastewater Treatment Facility          | 0020877       | Oconto      | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Tony Village of                               | 0026000       | Rusk        | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| UW Madison Charter Street Heating Plant       | 0038296       | Dane        | NO LIMIT                    | NO LIMIT   | Power        | NO                               |
| Wabeno Sanitary District #1                   | 0022012       | Forest      | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Waupaca Foundry Inc Plant 4                   | 0043699       | Marinette   | NO LIMIT                    | NO LIMIT   | NCCW         | NO                               |

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|---|---------------|-------------|-----------------------------|--|--------------|----------------------------------|
| Wausaukee Wastewater Treatment Facility             | 0060011       | Marinette   | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Whitecap Mountains Sanitary District                | 0031747       | Iron        | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| WI DNR Brule River State Fish Hatchery              | 0004171       | Douglas     | NO LIMIT                    | NO LIMIT   | Fish         | NO                               |
| WI DNR Les Voigt State Fish Hatchery                | 0004162       | Bayfield    | NO LIMIT                    | NO LIMIT   | Fish         | NO                               |
| WI DNR Peninsula State Park WWTF                    | 0029343       | Door        | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| WI DOC Flambeau Correctional Center                 | 0030066       | Sawyer      | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| WI Electric Power Co Concord Station                | 0061441       | Jefferson   | NO LIMIT                    | NO LIMIT   | Power        | NO                               |
| Wilson Wastewater Treatment Facility                | 0032140       | St. Croix   | NO LIMIT                    | NO LIMIT   | Municipal    | NO                               |
| Wisconsin Power and Light Co Columbia Energy Center | 0002780       | Columbia    | NO LIMIT                    | NO LIMIT   | Power        | NO                               |
| Wisconsin Public Service Corp Weston                | 0042765       | Marathon    | NO LIMIT                    | NO LIMIT   | Power        | NO                               |
| Ahlstrom Munksjo NA Specialty Solutions LLC         | 0000825       | Outagamie   | PLANNING PHASE              | 0.226  | Paper        | LIKELY                           |
| Ahlstrom Munksjo NA Specialty Solutions, LLC        | 0003026       | Oneida      | PLANNING PHASE              | 0.330  | Paper        | LIKELY                           |
| Algoma Wastewater Treatment Facility                | 0020745       | Kewaunee    | PLANNING PHASE              | 1.471  | Municipal    | NO                               |
| Amherst Wastewater Treatment Facility               | 0023213       | Portage     | PLANNING PHASE              | 0.362  | Municipal    | LIKELY                           |
| Athens Wastewater Treatment Facility                | 0022365       | Marathon    | PLANNING PHASE              | 0.274  | Municipal    | LIKELY                           |
| Billerud Wisconsin LLC                              | 0037991       | Wood        | PLANNING PHASE              | 0.359  | Paper        | LIKELY                           |
| Birnamwood Wastewater Treatment Facility            | 0022691       | Shawano     | PLANNING PHASE              | 0.187  | Municipal    | NO                               |
| Bonduelle USA Inc Fairwater                         | 0002666       | Fond du Lac | PLANNING PHASE              | 0.282  | NCCW         | LIKELY                           |
| Bowler Wastewater Treatment Facility                | 0021237       | Shawano     | PLANNING PHASE              | 0.298  | Municipal    | LIKELY                           |
| Brandon Wastewater Treatment Facility               | 0023442       | Fond Du Lac | PLANNING PHASE              | 0.651  | Municipal    | NO                               |
| Briess Malt & Ingredients Co                        | 0066257       | Manitowoc   | PLANNING PHASE              | 0.046  | Food         | LIKELY                           |
| Butte Des Morts Consolidated SD 1                   | 0032492       | Winnebago   | PLANNING PHASE              | 0.293  | Municipal    | LIKELY                           |
| Caroline SD 1 Wastewater Treatment Facility         | 0022829       | Shawano     | PLANNING PHASE              | 0.108  | Municipal    | LIKELY                           |
| Cedar Grove Wastewater Trtmnt Facil                 | 0020711       | Sheboygan   | PLANNING PHASE              | 0.168  | Municipal    | NO                               |
| Chili Wastewater Treatment Facility                 | 0030961       | Clark       | PLANNING PHASE              | 0.075  | Municipal    | LIKELY                           |
| Clintonville Wastewater Treatment Facility          | 0021466       | Waupaca     | PLANNING PHASE              | 0.235  | Municipal    | LIKELY                           |
| Dane County Regional Airport                        | 0048747       | Dane        | PLANNING PHASE              | 0.075  | Other        | LIKELY                           |
| Darling Ingredients Inc                             | 0038083       | Green Lake  | PLANNING PHASE              | 0.018  | NCCW         | LIKELY                           |
| Denmark Wastewater Treatment Facility               | 0021741       | Brown       | PLANNING PHASE              | 0.239  | Municipal    | LIKELY                           |
| Elk Mound Wastewater Treatment Facility             | 0023914       | Dunn        | PLANNING PHASE              | 0.075  | Municipal    | LIKELY                           |

| Facility Name                               | Permit Number | County      | Phosphorus Planning Outcome | Phosphorus Limit (mg/L) (Lowest of TBEL, NR 217.13 WQBEL, or TMDL-equivalent) | MDV Category | Major Facility Upgrade Required? |
|---|---------------|-------------|-----------------------------|---|--------------|----------------------------------|
| Embarrass Cloverleaf Lakes SD               | 0023949       | Waupaca     | PLANNING PHASE              | 0.198   | Municipal    | LIKELY                           |
| ERCO Worldwide (USA) INC - Port Edwards     | 0003565       | Wood        | PLANNING PHASE              | 0.112   | Other        | LIKELY                           |
| Exceptional Living Centers - Bethel         | 0031313       | Wood        | PLANNING PHASE              | 0.365   | Municipal    | LIKELY                           |
| Fairwater Wastewater Treatment Facility     | 0021440       | Fond Du Lac | PLANNING PHASE              | 0.247   | Municipal    | LIKELY                           |
| Freedom Sanitary District No 1              | 0020842       | Outagamie   | PLANNING PHASE              | 0.600   | Municipal    | LIKELY                           |
| Fremont Orihula Wolf River Joint S C        | 0026158       | Waupaca     | PLANNING PHASE              | 0.369   | Municipal    | LIKELY                           |
| Friesland Wastewater Treatment Facility     | 0031780       | Columbia    | PLANNING PHASE              | 0.313   | Municipal    | LIKELY                           |
| GLK Foods, LLC                              | 0050407       | Outagamie   | PLANNING PHASE              | 0.130   | NCCW         | LIKELY                           |
| Grande Cheese Company, Cst. Ingredient Div. | 0050547       | Adams       | PLANNING PHASE              | 0.076   | Cheese       | LIKELY                           |
| Hewitt Sanitary District WWTP               | 0031275       | Wood        | PLANNING PHASE              | 0.184   | Municipal    | LIKELY                           |
| Hortonville Wastewater Treatment Facility   | 0022896       | Outagamie   | PLANNING PHASE              | 0.356   | Municipal    | LIKELY                           |
| Iron River National Fish Hatchery           | 0044334       | Bayfield    | PLANNING PHASE              | 0.110   | Fish         | LIKELY                           |
| Kiel Wastewater Treatment Facility          | 0020141       | Manitowoc   | PLANNING PHASE              | 1.901   | Municipal    | NO                               |
| Kingston Wastewater Treatment Facility      | 0036421       | Green Lake  | PLANNING PHASE              | 0.165   | Municipal    | LIKELY                           |
| Kohler Company                              | 0000795       | Sheboygan   | PLANNING PHASE              | 1.061   | Other        | NO                               |
| La Valle Wastewater Treatment Facility      | 0028878       | Sauk        | PLANNING PHASE              | 0.369   | Municipal    | LIKELY                           |
| Lake Tomahawk Township Sanitary District 1  | 0036374       | Oneida      | PLANNING PHASE              | 0.367   | Municipal    | LIKELY                           |
| Lakeland University                         | 0029335       | Sheboygan   | PLANNING PHASE              | 0.208   | Municipal    | LIKELY                           |
| Leach Farms Inc                             | 0052809       | Waushara    | PLANNING PHASE              | 0.098   | NCCW         | LIKELY                           |
| Lemberger Landfill Superfund Site           | 0049573       | Manitowoc   | PLANNING PHASE              | 0.075   | Other        | LIKELY                           |
| LignoTech USA, Inc.                         | 0003450       | Marathon    | PLANNING PHASE              | 0.096   | Paper        | LIKELY                           |
| Lowell Wastewater Treatment Facility        | 0029271       | Dodge       | PLANNING PHASE              | 1.656   | Municipal    | NO                               |
| Lublin Village of                           | 0031917       | Taylor      | PLANNING PHASE              | 0.075   | Municipal    | LIKELY                           |
| Manawa Wastewater Treatment Facility        | 0020869       | Waupaca     | PLANNING PHASE              | 0.239   | Municipal    | LIKELY                           |
| Marion Wastewater Treatment Facility        | 0020770       | Waupaca     | PLANNING PHASE              | 0.306   | Municipal    | LIKELY                           |
| Marshfield Wastewater Treatment Facility    | 0021024       | Wood        | PLANNING PHASE              | 0.238   | Municipal    | LIKELY                           |
| Merrill City of                             | 0020150       | Lincoln     | PLANNING PHASE              | 0.366   | Municipal    | LIKELY                           |
| Montello Wastewater Treatment Facility      | 0024813       | Marquette   | PLANNING PHASE              | 0.415   | Municipal    | LIKELY                           |
| Neenah, Inc. Whiting                        | 0003611       | Portage     | PLANNING PHASE              | 0.380   | Paper        | LIKELY                           |
| Neshkoro Wastewater Treatment Facility      | 0060666       | Marquette   | PLANNING PHASE              | 0.277   | Municipal    | LIKELY                           |

| Facility Name                              | Permit Number | County      | Phosphorus Planning Outcome | Phosphorus Limit (mg/L) (Lowest of TBEL, NR 217.13 WQBEL, or TMDL-equivalent) | MDV Category | Major Facility Upgrade Required? |
|--|---------------|-------------|-----------------------------|---|--------------|----------------------------------|
| New London Wastewater Treatment Facility   | 0024929       | Waupaca     | PLANNING PHASE              | 0.324   | Municipal    | LIKELY                           |
| New Organic Digestion LLC                  | 0044938       | Sheboygan   | PLANNING PHASE              | 0.118   | NCCW         | LIKELY                           |
| Nichols Wastewater Treatment Facility      | 0020508       | Outagamie   | PLANNING PHASE              | 0.438   | Municipal    | LIKELY                           |
| North Shore Helathcare WWTF                | 0029718       | Shawano     | PLANNING PHASE              | 0.486   | Municipal    | NO                               |
| Oakfield Wastewater Treatment Facility     | 0024988       | Fond du Lac | PLANNING PHASE              | 0.422   | Municipal    | LIKELY                           |
| Omro Wastewater Treatment Facility         | 0025011       | Winnebago   | PLANNING PHASE              | 0.228   | Municipal    | LIKELY                           |
| Oostburg Wastewater Treatment Facility     | 0022233       | Sheboygan   | PLANNING PHASE              | 0.192   | Municipal    | LIKELY                           |
| Oxford Wastewater Treatment Facility       | 0032077       | Marquette   | PLANNING PHASE              | 0.135   | Municipal    | LIKELY                           |
| Packaging Corporation of America           | 0002810       | Lincoln     | PLANNING PHASE              | 0.220   | Paper        | LIKELY                           |
| Packwaukee Sanitary District No 1          | 0060933       | Marquette   | PLANNING PHASE              | 0.148   | Municipal    | LIKELY                           |
| Pepin Wastewater Treatment Facility        | 0022811       | Pepin       | PLANNING PHASE              | 0.100   | Municipal    | LIKELY                           |
| Plastics Engineering Company               | 0066681       | Sheboygan   | PLANNING PHASE              | 0.299   | Other        | LIKELY                           |
| Plover Wastewater Treatment Facility       | 0027995       | Portage     | PLANNING PHASE              | 0.205   | Municipal    | LIKELY                           |
| Portage Wastewater Treatment Facility      | 0020427       | Columbia    | PLANNING PHASE              | 0.366   | Municipal    | LIKELY                           |
| Poy Sippi SD Wastewater Treatment Facility | 0031691       | Waushara    | PLANNING PHASE              | 0.316   | Municipal    | LIKELY                           |
| Princeton Wastewater Treatment Facility    | 0022055       | Green Lake  | PLANNING PHASE              | 0.303   | Municipal    | LIKELY                           |
| Redgranite Wastewater Treatment Facility   | 0020729       | Waushara    | PLANNING PHASE              | 0.459   | Municipal    | LIKELY                           |
| Rib Mountain Metro Sewage District WWTF    | 0035581       | Marathon    | PLANNING PHASE              | 0.366   | Municipal    | LIKELY                           |
| Rio Wastewater Treatment Facility          | 0020117       | Columbia    | PLANNING PHASE              | 0.196   | Municipal    | LIKELY                           |
| Rock Springs Wastewater Treatment Facility | 0029041       | Sauk        | PLANNING PHASE              | 0.367   | Municipal    | LIKELY                           |
| Rosendale Wastewater Treatment Facility    | 0028428       | Fond Du Lac | PLANNING PHASE              | 0.359   | Municipal    | LIKELY                           |
| Russell Sanitary District #1 Town of       | 0029319       | Lincoln     | PLANNING PHASE              | 0.369   | Municipal    | LIKELY                           |
| Saputo Cheese USA Inc Reedsburg            | 0059404       | Sauk        | PLANNING PHASE              | 0.064   | NCCW         | LIKELY                           |
| Sartori Company                            | 0032794       | Langlade    | PLANNING PHASE              | 0.100   | NCCW         | LIKELY                           |
| Seneca Foods Corporation                   | 0002160       | Dodge       | PLANNING PHASE              | 0.075   | NCCW         | LIKELY                           |
| Seymour Wastewater Treatment Facility      | 0021768       | Outagamie   | PLANNING PHASE              | 0.199   | Municipal    | LIKELY                           |
| Shiocton Wastewater Treatment Facility     | 0028100       | Outagamie   | PLANNING PHASE              | 0.279   | Municipal    | LIKELY                           |
| Silver Moon Springs LLC                    | 0064548       | Langlade    | PLANNING PHASE              | 0.064   | Fish         | LIKELY                           |
| St Nazianz Wastewater Treatment Facility   | 0022195       | Manitowoc   | PLANNING PHASE              | 0.804   | Municipal    | NO                               |
| Stephensville Sanitary District No 1       | 0032531       | Outagamie   | PLANNING PHASE              | 0.355   | Municipal    | LIKELY                           |

| Facility Name                                      | Permit Number | County     | Phosphorus Planning Outcome | Phosphorus Limit (mg/L)<br>(Lowest of TBEL, NR 217.13 WQBEL, or TMDL-equivalent) | MDV Category | Major Facility Upgrade Required? |
|--|---------------|------------|-----------------------------|--|--------------|----------------------------------|
| Stevens Point Wastewater Treatment Facility        | 0029572       | Portage    | PLANNING PHASE              | 0.366  | Municipal    | LIKELY                           |
| Sullivan Twn Sanitary District #1 WWTF             | 0031844       | Jefferson  | PLANNING PHASE              | 0.667  | Municipal    | NO                               |
| Three Lakes Sanitary District #1                   | 0022853       | Oneida     | PLANNING PHASE              | 0.367  | Municipal    | LIKELY                           |
| Tigerton Wastewater Treatment Facility             | 0022349       | Shawano    | PLANNING PHASE              | 0.393  | Municipal    | LIKELY                           |
| Verso Minnesota Wisconsin - Water Renewal Center   | 0003468       | Portage    | PLANNING PHASE              | 0.294  | Paper        | LIKELY                           |
| Waldo Wastewater Utility                           | 0022471       | Sheboygan  | PLANNING PHASE              | 0.204  | Municipal    | LIKELY                           |
| Waupaca Wastewater Treatment Facility              | 0030490       | Waupaca    | PLANNING PHASE              | 0.308  | Municipal    | LIKELY                           |
| Wausau Water Works WW Treatment Facility           | 0025739       | Marathon   | PLANNING PHASE              | 0.366  | Municipal    | LIKELY                           |
| Weyauwega Wastewater Treatment Facility            | 0020923       | Waupaca    | PLANNING PHASE              | 0.276  | Municipal    | LIKELY                           |
| Whiting Wastewater Treatment Facility              | 0021636       | Portage    | PLANNING PHASE              | 0.366  | Municipal    | LIKELY                           |
| WI DNR Wild Rose Fish Hatchery                     | 0022756       | Waushara   | PLANNING PHASE              | 0.035  | Fish         | LIKELY                           |
| WI DOC Lincoln Hills School                        | 0026701       | Lincoln    | PLANNING PHASE              | 0.368  | Municipal    | LIKELY                           |
| Wild Rose Wastewater Treatment Facility            | 0060071       | Waushara   | PLANNING PHASE              | 0.374  | Municipal    | LIKELY                           |
| Winneconne Wastewater Treatment Facility           | 0021938       | Winnebago  | PLANNING PHASE              | 0.430  | Municipal    | LIKELY                           |
| Wisconsin Electric Power Company Germantown        | 0042757       | Washington | PLANNING PHASE              | 0.300  | Power        | LIKELY                           |
| Wisconsin Rapids WWTF                              | 0025844       | Wood       | PLANNING PHASE              | 0.366  | Municipal    | LIKELY                           |
| Wisconsin Veneer and Plywood Inc                   | 0047929       | Shawano    | PLANNING PHASE              | 0.070  | Other        | LIKELY                           |
| Wittenberg Wastewater Treatment Facility           | 0028444       | Shawano    | PLANNING PHASE              | 0.330  | Municipal    | LIKELY                           |
| Wolf Treatment Plant                               | 0028452       | Shawano    | PLANNING PHASE              | 0.218  | Municipal    | LIKELY                           |
| Burnett Sanitary District #1 WWTF                  | 0031551       | Dodge      | REGIONALIZE                 | 0.498  | Municipal    | NO                               |
| Maple Island Inc                                   | 0003883       | Taylor     | REGIONALIZE                 | 0.075  | Food         | NO                               |
| Orchard Manor Wastewater Treatment Facility        | 30503         | Grant      | REGIONALIZE                 | 0.075  | Municipal    | NO                               |
| Salem Lakes, Village                               | 0020851       | Kenosha    | REGIONALIZE                 | 0.100  | Municipal    | NO                               |
| SPF North America, Inc.                            | 0062146       | Buffalo    | REGIONALIZE                 | 0.078  | NCCW         | NO                               |
| Sullivan Wastewater Treatment Facility             | 0025585       | Jefferson  | REGIONALIZE                 | 0.075  | Municipal    | NO                               |
| Superior Refining Company- Husky Superior Refinery | 0003085       | Douglas    | REGIONALIZE                 | 0.075  | Other        | NO                               |
| Superior Village of                                | 0030431       | Douglas    | OUTFALL RELOCATION          | 1.100  | Municipal    | NO                               |
| Amery City of                                      | 0020125       | Polk       | TBEL ONLY                   | 1.916  | Municipal    | NO                               |
| Boscobel Wastewater Treatment Facility             | 0022110       | Grant      | TBEL ONLY                   | 87.000   | Municipal    | NO                               |
| Boyceville Wastewater Treatment Facility           | 0060330       | Dunn       | TBEL ONLY                   | 1.000  | Municipal    | NO                               |

| Facility Name                                 | Permit Number | County      | Phosphorus Planning Outcome | Phosphorus Limit (mg/L)<br>(Lowest of TBEL, NR 217.13 WQBEL, or TMDL-equivalent) | MDV Category | Major Facility Upgrade Required? |
|---|---------------|-------------|-----------------------------|--|--------------|----------------------------------|
| Cascades Tissue Group Wisconsin Inc           | 0003077       | Eau Claire  | TBEL ONLY                   | 1.900  | Paper        | NO                               |
| Chippewa Falls WWTF                           | 0023604       | Chippewa    | TBEL ONLY                   | 8.200  | Municipal    | NO                               |
| Christmas Mountain Sanitary District WWTF     | 0036064       | Sauk        | TBEL ONLY                   | 1.000  | Municipal    | NO                               |
| Durand Wastewater Treatment Facility          | 0030899       | Pepin       | TBEL ONLY                   | 1.000  | Municipal    | NO                               |
| Eastman Wastewater Treatment Facility         | 0036765       | Crawford    | TBEL ONLY                   | 2.300  | Municipal    | NO                               |
| Eau Claire Wastewater Treatment Facility      | 0023850       | Eau Claire  | TBEL ONLY                   | 1.000  | Municipal    | NO                               |
| Fairchild Wastewater Treatment Fac            | 0036200       | Eau Claire  | TBEL ONLY                   | 1.000  | Municipal    | NO                               |
| Flambeau River Papers LLC                     | 0003212       | Price       | TBEL ONLY                   | 2.610  | Paper        | NO                               |
| Ladysmith City of                             | 0021326       | Rusk        | TBEL ONLY                   | 19.000   | Municipal    | NO                               |
| Marinette Wastewater Utility                  | 0026182       | Marinette   | TBEL ONLY                   | 15.750   | Municipal    | NO                               |
| Niagara Wastewater Treatment Facility         | 0029467       | Marinette   | TBEL ONLY                   | 72.000   | Municipal    | NO                               |
| Oconto Falls Wastewater Treatment Facility    | 0022870       | Oconto      | TBEL ONLY                   | 16.000   | Municipal    | NO                               |
| Oconto Utility Commission WWTF                | 0022861       | Oconto      | TBEL ONLY                   | 1.000  | Municipal    | NO                               |
| Osceola Village of                            | 0025020       | Polk        | TBEL ONLY                   | 1.481  | Municipal    | NO                               |
| Park Falls City of                            | 0029033       | Price       | TBEL ONLY                   | 2.700  | Municipal    | NO                               |
| Peshigo Wastewater Treatment Facility         | 0030651       | Marinette   | TBEL ONLY                   | 3.390  | Municipal    | NO                               |
| Somerset Wastewater Treatment Facility        | 0030252       | St. Croix   | TBEL ONLY                   | 1.883  | Municipal    | NO                               |
| Spring Green Wastewater Treatment Facility    | 0060801       | Sauk        | TBEL ONLY                   | 43.600   | Municipal    | NO                               |
| St Croix Falls City of                        | 0020796       | Polk        | TBEL ONLY                   | 1.131  | Municipal    | NO                               |
| ST Paper LLC                                  | 0000531       | Oconto      | TBEL ONLY                   | 7.350  | Paper        | NO                               |
| Tyco Fire Products LP                         | 0001040       | Marinette   | TBEL ONLY                   | 1.000  | Other        | NO                               |
| WE Pleasant Prairie Power Plant               | 0043583       | Kenosha     | TBEL ONLY                   | 1.000  | Power        | NO                               |
| Westby Coop Creamery                          | 0070645       | Vernon      | TBEL ONLY                   | 1.000  | Cheese       | NO                               |
| Westby Wastewater Treatment Facility          | 0021792       | Vernon      | TBEL ONLY                   | 1.000  | Municipal    | NO                               |
| WI DNR St Croix Falls Hatchery                | 0004201       | Polk        | TBEL ONLY                   | 1.000  | Fish         | NO                               |
| Wisconsin Electric Power Company Valley Power | 0000931       | Milwaukee   | TBEL ONLY                   | 1.000  | Power        | NO                               |
| Albany Wastewater Treatment Facility          | 0021199       | Green       | WATER QUALITY TRADING       | 0.000  | Municipal    | NO                               |
| Arcadia Wastewater Treatment Facility         | 0023230       | Trempealeau | WATER QUALITY TRADING       | 0.100  | Municipal    | NO                               |
| Baker Cheese Factory Inc                      | 0050521       | Fond du Lac | WATER QUALITY TRADING       | 0.573  | Cheese       | NO                               |
| Bangor Wastewater Treatment Facility          | 0031224       | La Crosse   | WATER QUALITY TRADING       | 0.100  | Municipal    | NO                               |

| Facility Name                               | Permit Number | County      | Phosphorus Planning Outcome | Phosphorus Limit (mg/L)<br>(Lowest of TBEL, NR 217.13 WQBEL, or TMDL-equivalent) | MDV Category | Major Facility Upgrade Required? |
|---|---------------|-------------|-----------------------------|--|--------------|----------------------------------|
| BelGioioso Cheese Inc                       | 0027201       | Calumet     | WATER QUALITY TRADING       | 0.323  | Cheese       | NO                               |
| BelGioioso Cheese Inc Chase Plant           | 0065579       | Oconto      | WATER QUALITY TRADING       | 0.075  | Cheese       | NO                               |
| BelGioioso Cheese Inc Freedom Plant         | 0066176       | Outagamie   | WATER QUALITY TRADING       | 0.000  | Cheese       | NO                               |
| Belleville Wastewater Treatment Facility    | 0023361       | Dane        | WATER QUALITY TRADING       | 0.075  | Municipal    | NO                               |
| Belmont Wastewater Treatment Facility       | 0020419       | Lafayette   | WATER QUALITY TRADING       | 0.075  | Municipal    | NO                               |
| Beloit Town Wastewater Treatment Facility   | 0026930       | Rock        | WATER QUALITY TRADING       | 0.201  | Municipal    | NO                               |
| Beloit Wastewater Treatment Facility        | 0023370       | Rock        | WATER QUALITY TRADING       | 0.201  | Municipal    | NO                               |
| Bemis Manufacturing Company Plant D         | 0027456       | Sheboygan   | WATER QUALITY TRADING       | 0.059  | NCCW         | NO                               |
| Bloomington Wastewater Treatment Facility   | 0023400       | Grant       | WATER QUALITY TRADING       | 0.075  | Municipal    | NO                               |
| Brodhead Wastewater Treatment Facility      | 0021903       | Green       | WATER QUALITY TRADING       | 0.100  | Municipal    | NO                               |
| Brooklyn Wastewater Treatment Facility      | 0023485       | Green       | WATER QUALITY TRADING       | 0.075  | Municipal    | NO                               |
| Cassville Wastewater Treatment Facility     | 0021423       | Grant       | WATER QUALITY TRADING       | 0.100  | Municipal    | NO                               |
| Columbus Wastewater Treatment Facility      | 0021008       | Dodge       | WATER QUALITY TRADING       | 0.075  | Municipal    | NO                               |
| Conrath Village of                          | 0032522       | Rusk        | WATER QUALITY TRADING       | 1.400  | Municipal    | NO                               |
| Cross Plains Wastewater Treatment Facility  | 0020788       | Dane        | WATER QUALITY TRADING       | 0.310  | Municipal    | NO                               |
| Darlington Wastewater Treatment Facility    | 0021016       | Lafayette   | WATER QUALITY TRADING       | 0.000  | Municipal    | NO                               |
| Eleva Strum Joint Sewerage Commission WWTF  | 0064998       | Trempealeau | WATER QUALITY TRADING       | 0.100  | Municipal    | NO                               |
| Fontana Walworth WPC                        | 0036021       | Walworth    | WATER QUALITY TRADING       | 0.075  | Municipal    | NO                               |
| Great Lakes Investors LLC WWTF              | 0060607       | Jefferson   | WATER QUALITY TRADING       | 0.075  | Municipal    | NO                               |
| Greenwood Wastewater Treatment Facility     | 0020249       | Clark       | WATER QUALITY TRADING       | 0.075  | Municipal    | NO                               |
| Hawkins Village of                          | 0024201       | Rusk        | WATER QUALITY TRADING       | 0.119  | Municipal    | NO                               |
| Janesville Wastewater Utility               | 0030350       | Rock        | WATER QUALITY TRADING       | 0.108  | Municipal    | NO                               |
| Kieler Sanitary District No 1 WWTF          | 0029289       | Grant       | WATER QUALITY TRADING       | 0.075  | Municipal    | NO                               |
| LaGranders Hillside Dairy Inc               | 0054364       | Clark       | WATER QUALITY TRADING       | 0.060  | NCCW         | NO                               |
| Loganville Wastewater Treatment Facility    | 0029114       | Sauk        | WATER QUALITY TRADING       | 0.737  | Municipal    | NO                               |
| Mineral Point Wastewater Treatment Facility | 0024791       | Iowa        | WATER QUALITY TRADING       | 0.075  | Municipal    | NO                               |
| Monroe Wastewater Treatment Facility        | 0020362       | Green       | WATER QUALITY TRADING       | 0.092  | Municipal    | NO                               |
| Montfort Wastewater Treatment Facility      | 0024821       | Grant       | WATER QUALITY TRADING       | 0.540  | Municipal    | NO                               |
| Monticello Wastewater Treatment Facility    | 0024830       | Green       | WATER QUALITY TRADING       | 0.075  | Municipal    | NO                               |
| Nasco Education LLC                         | 0058220       | Jefferson   | WATER QUALITY TRADING       | 0.471  | Fish         | NO                               |



| Facility Name                              | Permit Number | County     | Phosphorus Planning Outcome | Phosphorus Limit (mg/L) (Lowest of TBEL, NR 217.13 WQBEL, or TMDL-equivalent) | MDV Category | Major Facility Upgrade Required? |
|--|---------------|------------|-----------------------------|---|--------------|----------------------------------|
| Norway Tn Sanitary District 1 Wwtf         | 0031470       | Racine     | WATER QUALITY TRADING       | 0.075   | Municipal    | NO                               |
| Phillips Plating Corporation               | 0041149       | Price      | WATER QUALITY TRADING       | 0.040   | Other        | NO                               |
| Prairie du Chien Wastewater Treatment Fac. | 0020257       | Crawford   | WATER QUALITY TRADING       | 0.015   | Municipal    | NO                               |
| Seneca Foods Corporation Mayville          | 0050822       | Dodge      | WATER QUALITY TRADING       | 0.015   | Food         | NO                               |
| Sextonville Sanitary District #1 WWTF      | 0060038       | Richland   | WATER QUALITY TRADING       | 0.075   | Municipal    | NO                               |
| Slinger Wastewater Treatment Facility      | 0020290       | Washington | WATER QUALITY TRADING       | 0.075   | Municipal    | NO                               |
| Spencer Wastewater Treatment Facility      | 0021521       | Marathon   | WATER QUALITY TRADING       | 0.177   | Municipal    | NO                               |
| Springfield Clean Water LLC                | 0065889       | Dane       | WATER QUALITY TRADING       | 0.000   | Other        | NO                               |
| Stratford Wastewater Treatment Facility    | 0025569       | Marathon   | WATER QUALITY TRADING       | 0.162   | Municipal    | NO                               |
| Superior Fresh, LLC                        | 0065200       | Jackson    | WATER QUALITY TRADING       | 0.000   | Food         | NO                               |
| Viroqua Wastewater Treatment Facility      | 0021920       | Vernon     | WATER QUALITY TRADING       | 0.180   | Municipal    | NO                               |
| VPP Group, LLC                             | 0052931       | Monroe     | WATER QUALITY TRADING       | 0.075   | Food         | NO                               |
| Wauzeka Wastewater Treatment Facility      | 0022276       | Crawford   | WATER QUALITY TRADING       | 0.100   | Municipal    | NO                               |
| West Salem Wastewater Treatment Facility   | 0020389       | La Crosse  | WATER QUALITY TRADING       | 0.100   | Municipal    | NO                               |
| Weyerhaeuser Village of                    | 0020761       | Rusk       | WATER QUALITY TRADING       | 0.075   | Municipal    | NO                               |
| WI DNR Bong Recreation Area                | 0031887       | Kenosha    | WATER QUALITY TRADING       | 0.075   | Municipal    | NO                               |
| WI DNR Devils Lake State Park              | 0060241       | Sauk       | WATER QUALITY TRADING       | 0.100   | Other        | NO                               |
| Wisconsin Electric Power Co -Tn of Paris   | 0049131       | Kenosha    | WATER QUALITY TRADING       | 0.075   | Power        | NO                               |
| Wisconsin Whey Protein LLC                 | 0066371       | Lafayette  | WATER QUALITY TRADING       | 0.075   | Cheese       | NO                               |
| WPL - Riverside Energy Center              | 0061921       | Rock       | WATER QUALITY TRADING       | 0.000   | Power        | NO                               |

## Appendix B. Secondary Indicator Scores for Municipal POTWs

Last Revised: August 2023

The following table provides the secondary indicator score for municipal POTWs as described in the Final Economic Determination. Please refer to Section 5 of that report for details on each economic metric, why it was selected, and how the scoring process worked. All shaded cells in this table indicate that the cell value exceeds the indicator threshold, and contributes to the secondary indicator value. The total secondary indicator value in the last column of this table provides the secondary indicator total, which is the value used to determine eligibility for the MDV.

|             | Personal<br>Current<br>Transfer<br>Receipts<br>Share of Total<br>Income 2021<br><sup>1</sup> | Jobs per<br>Square Mile <sup>2</sup> | Population<br>Change 2011 -<br>2021 <sup>3</sup> | Net Earnings<br>Change 2011-<br>2021 <sup>4</sup><br>(2points) | Job Growth<br>2011-2021 <sup>5</sup> | Secondary<br>Indicator Score |
|-------------|--|--------------------------------------|--|--|--------------------------------------|------------------------------|
| Adams       | 38.2%  | 6                                    | 0.19%  | 28.7%  | - 0.3%                               | 6                            |
| Ashland     | 36.3%  | 8                                    | -0.78%   | 25.7%  | - 5.6%                               | 6                            |
| Barron      | 27.5%  | 25                                   | 2.16%  | 30.0%  | 1.5%                                 | 6                            |
| Bayfield    | 30.8%  | 3                                    | 7.59%  | 32.5%  | 4.1%                                 | 5                            |
| Brown       | 19.2%  | 294                                  | 9.14%  | 37.8%  | 7.5%                                 | 2                            |
| Buffalo     | 27.5%  | 6                                    | -2.55%   | 26.9%  | - 9.6%                               | 6                            |
| Burnett     | 36.4%  | 6                                    | 7.30%  | 32.7%  | 2.2%                                 | 5                            |
| Calumet     | 17.0%  | 50                                   | 11.86%   | 39.2%  | 28.3%                                | 3                            |
| Chippewa    | 24.9%  | 25                                   | 6.86%  | 38.5%  | 13.5%                                | 4                            |
| Clark       | 26.1%  | 9                                    | 0.27%  | 47.5%  | 7.5%                                 | 5                            |
| Columbia    | 20.6%  | 29                                   | 3.15%  | 39.3%  | 7.2%                                 | 4                            |
| Crawford    | 32.0%  | 12                                   | -3.06%   | 28.6%  | - 7.6%                               | 6                            |
| Dane        | 14.0%  | 291                                  | 18.43%   | 62.7%  | 14.4%                                | 0                            |
| Dodge       | 23.9%  | 41                                   | 0.15%  | 26.7%  | 4.6%                                 | 6                            |
| Door        | 24.1%  | 31                                   | 8.83%  | 41.7%  | 5.8%                                 | 5                            |
| Douglas     | 31.5%  | 13                                   | 0.81%  | 32.6%  | 2.7%                                 | 6                            |
| Dunn        | 25.9%  | 21                                   | 3.65%  | 30.9%  | 5.4%                                 | 5                            |
| Eau Claire  | 22.0%  | 91                                   | 8.82%  | 33.2%  | 3.0%                                 | 4                            |
| Florence    | 26.4%  | 2                                    | 4.98%  | 44.3%  | 2.2%                                 | 5                            |
| Fond du Lac | 23.2%  | 65                                   | 2.16%  | 38.8%  | 4.6%                                 | 5                            |
| Forest      | 37.8%  | 3                                    | -0.08%   | 29.8%  | - 5.1%                               | 6                            |
| Grant       | 24.4%  | 15                                   | -0.52%   | 40.4%  | 1.6%                                 | 6                            |
| Green       | 20.9%  | 26                                   | 1.58%  | 32.3%  | 2.6%                                 | 5                            |
| Green Lake  | 29.0%  | 17                                   | -0.08%   | 12.9%  | - 10.5%                              | 6                            |
| Iowa        | 21.1%  | 14                                   | 0.89%  | 36.3%  | 0.2%                                 | 5                            |
| Iron        | 35.5%  | 2                                    | 4.83%  | 29.5%  | - 1.8%                               | 5                            |
| Jackson     | 28.0%  | 8                                    | 2.90%  | 17.6%  | - 7.0%                               | 6                            |
| Jefferson   | 23.0%  | 62                                   | 3.24%  | 35.1%  | 3.7%                                 | 5                            |

|             | Personal<br>Current<br>Transfer<br>Receipts<br>Share of Total<br>Income 2021<br><sup>1</sup> | Jobs per<br>Square Mile <sup>2</sup> | Population<br>Change 2011 -<br>2021 <sup>3</sup> | Net Earnings<br>Change 2011-<br>2021 <sup>4</sup><br>(2points) | Job Growth<br>2011-2021 <sup>5</sup> | Secondary<br>Indicator Score |
|-------------|--|--------------------------------------|--|--|--------------------------------------|------------------------------|
| Juneau      | 32.5%  | 12                                   | -0.11%   | 25.6%  | 0.3%                                 | 6                            |
| Kenosha     | 21.9%  | 263                                  | 2.07%  | 48.0%  | 29.1%                                | 4                            |
| Kewaunee    | 23.4%  | 19                                   | -0.08%   | 25.2%  | - 9.3%                               | 6                            |
| La Crosse   | 21.4%  | 152                                  | 5.67%  | 42.8%  | 4.7%                                 | 3                            |
| Lafayette   | 23.7%  | 7                                    | -1.46%   | 22.5%  | 7.9%                                 | 5                            |
| Langlade    | 34.6%  | 8                                    | -2.13%   | 26.7%  | - 2.4%                               | 6                            |
| Lincoln     | 30.1%  | 12                                   | -1.47%   | 31.8%  | - 3.7%                               | 6                            |
| Manitowoc   | 26.6%  | 56                                   | 0.01%  | 14.8%  | - 2.2%                               | 5                            |
| Marathon    | 21.0%  | 46                                   | 3.48%  | 40.5%  | 5.3%                                 | 4                            |
| Marinette   | 33.4%  | 13                                   | 0.47%  | 31.1%  | - 4.0%                               | 6                            |
| Marquette   | 32.7%  | 9                                    | 1.55%  | 33.9%  | 1.5%                                 | 6                            |
| Menominee   | 39.7%  | 5                                    | 1.23%  | 63.5%  | - 5.9%                               | 4                            |
| Milwaukee   | 27.5%  | 1924                                 | -0.93%   | 28.7%  | 1.6%                                 | 5                            |
| Monroe      | 27.4%  | 23                                   | 3.64%  | 36.4%  | 4.1%                                 | 5                            |
| Oconto      | 25.8%  | 9                                    | 3.91%  | 37.4%  | 3.0%                                 | 5                            |
| Oneida      | 31.1%  | 15                                   | 5.21%  | 28.7%  | - 1.0%                               | 5                            |
| Outagamie   | 18.7%  | 168                                  | 8.30%  | 41.1%  | 5.9%                                 | 3                            |
| Ozaukee     | 12.5%  | 174                                  | 6.91%  | 31.7%  | 6.4%                                 | 3                            |
| Pepin       | 27.7%  | 10                                   | -1.46%   | 35.1%  | 1.0%                                 | 6                            |
| Pierce      | 20.0%  | 19                                   | 3.16%  | 39.5%  | - 0.1%                               | 5                            |
| Polk        | 27.9%  | 18                                   | 2.50%  | 38.2%  | 5.0%                                 | 6                            |
| Portage     | 23.7%  | 42                                   | 0.50%  | 37.4%  | 5.6%                                 | 6                            |
| Price       | 36.0%  | 4                                    | -0.21%   | 13.0%  | - 8.4%                               | 6                            |
| Racine      | 24.1%  | 222                                  | 1.41%  | 27.4%  | 1.3%                                 | 5                            |
| Richland    | 30.2%  | 10                                   | -4.22%   | 29.5%  | - 3.7%                               | 6                            |
| Rock        | 25.3%  | 93                                   | 3.02%  | 42.3%  | 9.8%                                 | 4                            |
| Rusk        | 33.4%  | 5                                    | -3.61%   | 49.2%  | - 1.7%                               | 6                            |
| St. Croix   | 15.8%  | 43                                   | 13.45%   | 56.5%  | 16.8%                                | 1                            |
| Sauk        | 21.0%  | 29                                   | 7.26%  | 67.3%  | - 3.5%                               | 2                            |
| Sawyer      | 34.6%  | 8                                    | 8.61%  | 31.7%  | - 1.9%                               | 5                            |
| Shawano     | 29.0%  | 24                                   | -1.74%   | 32.0%  | - 1.6%                               | 6                            |
| Sheboygan   | 21.4%  | 83                                   | 2.79%  | 35.1%  | 4.9%                                 | 4                            |
| Taylor      | 27.1%  | 8                                    | -3.48%   | 33.4%  | 0.6%                                 | 6                            |
| Trempealeau | 27.4%  | 17                                   | 6.55%  | 28.3%  | - 6.4%                               | 5                            |
| Vernon      | 28.0%  | 11                                   | 3.68%  | 33.9%  | 1.1%                                 | 5                            |
| Vilas       | 32.1%  | 10                                   | 7.70%  | 45.6%  | 8.2%                                 | 4                            |
| Walworth    | 20.6%  | 78                                   | 3.51%  | 48.2%  | 9.8%                                 | 2                            |

|            | Personal<br>Current<br>Transfer<br>Receipts<br>Share of Total<br>Income 2021<br><sup>1</sup> | Jobs per<br>Square Mile <sup>2</sup> | Population<br>Change 2011 -<br>2021 <sup>3</sup> | Net Earnings<br>Change 2011-<br>2021 <sup>4</sup><br><b>(2points)</b> | Job Growth<br>2011-2021 <sup>5</sup> | Secondary<br>Indicator Score |
|------------|--|--------------------------------------|--|---|--------------------------------------|------------------------------|
| Washburn   | 35.6%  | 7                                    | 4.70%  | 34.0%   | 0.2%                                 | 5                            |
| Washington | 17.7%  | 133                                  | 4.34%  | 35.1%   | 11.0%                                | 2                            |
| Waukesha   | 14.2%  | 446                                  | 5.08%  | 38.9%   | 8.3%                                 | 2                            |
| Waupaca    | 29.3%  | 25                                   | -0.14%   | 24.7%   | - 6.7%                               | 6                            |
| Waushara   | 31.9%  | 10                                   | -0.06%   | 24.0%   | 3.4%                                 | 6                            |
| Winnebago  | 21.5%  | 214                                  | 2.89%  | 34.7%   | 3.0%                                 | 4                            |
| Wood       | 28.2%  | 46                                   | -0.52%   | 23.8%   | - 3.3%                               | 6                            |
| Threshold  | U.S. =<br>21.7%  | WI =51.7                             | 1/2 U.S =<br>3.2%                                | U.S = 49.4%   | 1/2 U.S =<br>7.1%                    |                              |

<sup>1</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>2</sup> Jobs from WI DWD Quarterly Census of Employment and Wages; land area from U.S. Census Bureau, County Quick Facts.

<sup>3</sup> WI DOA Demographic Services Center; [www.doa.state.wi.us/demographics](http://www.doa.state.wi.us/demographics).

<sup>4</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>5</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

## Appendix C. Secondary Indicator Scores for Cheese Manufacturers

Last Revised: August 2023

The following table provides the secondary score for cheese manufacturers as described in the Final Economic Determination. Please refer to Section 5 of that report for details on each economic metric, why it was selected, and how the scoring process worked. All shaded cells in this table indicate that the cell value exceeds the indicator threshold, and contributes to the secondary indicator value. The total secondary indicator value in the last column of this table provides the secondary indicator total, which is the value used to determine eligibility for the MDV.

Note: This information will be updated as new information becomes available.

|             | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011- 2021 <sup>5</sup> (2points) | Job Growth 2011- 2021 <sup>6</sup> | Capital Costs as a % of Payroll <sup>7</sup> (2 points) | Secondary Indicator Score |
|-------------|--------------------------------------|--|-----------------------------------|--|---|------------------------------------|---|---------------------------|
| Adams       | \$ 51,878.00                         | 38.2%  | 6                                 | 0.19%                                      | 28.7%   | - 0.3%                             |   | 7                         |
| Ashland     | \$ 55,070.00                         | 36.3%  | 8                                 | -0.78%                                     | 25.7%   | - 5.6%                             |   | 7                         |
| Barron      | \$ 55,256.00                         | 27.5%  | 25                                | 2.16%                                      | 30.0%   | 1.5%                               |   | 7                         |
| Bayfield    | \$ 62,859.00                         | 30.8%  | 3                                 | 7.59%                                      | 32.5%   | 4.1%                               |   | 6                         |
| Brown       | \$ 68,799.00                         | 19.2%  | 294                               | 9.14%                                      | 37.8%   | 7.5%                               |   | 3                         |
| Buffalo     | \$ 61,167.00                         | 27.5%  | 6                                 | -2.55%                                     | 26.9%   | - 9.6%                             |   | 7                         |
| Burnett     | \$ 55,890.00                         | 36.4%  | 6                                 | 7.30%                                      | 32.7%   | 2.2%                               |   | 6                         |
| Calumet     | \$ 78,453.00                         | 17.0%  | 50                                | 11.86%                                     | 39.2%   | 28.3%                              | 3.55%   | 5                         |
| Chippewa    | \$ 63,172.00                         | 24.9%  | 25                                | 6.86%                                      | 38.5%   | 13.5%                              |   | 5                         |
| Clark       | \$ 57,547.00                         | 26.1%  | 9                                 | 0.27%                                      | 47.5%   | 7.5%                               | 3.75%   | 8                         |
| Columbia    | \$ 73,786.00                         | 20.6%  | 29                                | 3.15%                                      | 39.3%   | 7.2%                               |   | 4                         |
| Crawford    | \$ 54,526.00                         | 32.0%  | 12                                | -3.06%                                     | 28.6%   | - 7.6%                             |   | 7                         |
| Dane        | \$ 78,452.00                         | 14.0%  | 291                               | 18.43%                                     | 62.7%   | 14.4%                              |   | 0                         |
| Dodge       | \$ 66,403.00                         | 23.9%  | 41                                | 0.15%                                      | 26.7%   | 4.6%                               | 2.95%   | 9                         |
| Door        | \$ 63,856.00                         | 24.1%  | 31                                | 8.83%                                      | 41.7%   | 5.8%                               |   | 6                         |
| Douglas     | \$ 59,688.00                         | 31.5%  | 13                                | 0.81%                                      | 32.6%   | 2.7%                               |   | 7                         |
| Dunn        | \$ 64,420.00                         | 25.9%  | 21                                | 3.65%                                      | 30.9%   | 5.4%                               |   | 6                         |
| Eau Claire  | \$ 64,777.00                         | 22.0%  | 91                                | 8.82%                                      | 33.2%   | 3.0%                               |   | 5                         |
| Florence    | \$ 52,143.00                         | 26.4%  | 2                                 | 4.98%                                      | 44.3%   | 2.2%                               |   | 6                         |
| Fond du Lac | \$ 66,390.00                         | 23.2%  | 65                                | 2.16%                                      | 38.8%   | 4.6%                               |   | 6                         |
| Forest      | \$ 51,959.00                         | 37.8%  | 3                                 | -0.08%                                     | 29.8%   | - 5.1%                             |   | 7                         |
| Grant       | \$ 58,289.00                         | 24.4%  | 15                                | -0.52%                                     | 40.4%   | 1.6%                               | 18.94%  | 9                         |
| Green       | \$ 70,267.00                         | 20.9%  | 26                                | 1.58%                                      | 32.3%   | 2.6%                               | 2.09%   | 7                         |
| Green Lake  | \$ 60,597.00                         | 29.0%  | 17                                | -0.08%                                     | 12.9%   | -10.5%                             |   | 7                         |
| Iowa        | \$ 73,716.00                         | 21.1%  | 14                                | 0.89%                                      | 36.3%   | 0.2%                               |   | 5                         |
| Iron        | \$ 48,908.00                         | 35.5%  | 2                                 | 4.83%                                      | 29.5%   | - 1.8%                             |   | 6                         |
| Jackson     | \$ 59,422.00                         | 28.0%  | 8                                 | 2.90%                                      | 17.6%   | - 7.0%                             |   | 7                         |

|             | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011-2021 <sup>5</sup> (2points) | Job Growth 2011-2021 <sup>6</sup> | Capital Costs as a % of Payroll <sup>7</sup> (2 points) | Secondary Indicator Score |
|-------------|--------------------------------------|--|-----------------------------------|--|--|-----------------------------------|---|---------------------------|
| Jefferson   | \$ 71,735.00                         | 23.0%  | 62                                | 3.24%                                      | 35.1%  | 3.7%                              |   | 5                         |
| Juneau      | \$ 58,561.00                         | 32.5%  | 12                                | -0.11%                                     | 25.6%  | 0.3%                              |   | 7                         |
| Kenosha     | \$ 70,073.00                         | 21.9%  | 263                               | 2.07%                                      | 48.0%  | 29.1%                             |   | 4                         |
| Kewaunee    | \$ 72,328.00                         | 23.4%  | 19                                | -0.08%                                     | 25.2%  | - 9.3%                            |   | 6                         |
| La Crosse   | \$ 62,817.00                         | 21.4%  | 152                               | 5.67%                                      | 42.8%  | 4.7%                              |   | 4                         |
| Lafayette   | \$ 65,009.00                         | 23.7%  | 7                                 | -1.46%                                     | 22.5%  | 7.9%                              |   | 6                         |
| Langlade    | \$ 53,313.00                         | 34.6%  | 8                                 | -2.13%                                     | 26.7%  | - 2.4%                            |   | 7                         |
| Lincoln     | \$ 61,363.00                         | 30.1%  | 12                                | -1.47%                                     | 31.8%  | - 3.7%                            |   | 7                         |
| Manitowoc   | \$ 61,454.00                         | 26.6%  | 56                                | 0.01%                                      | 14.8%  | - 2.2%                            |   | 6                         |
| Marathon    | \$ 67,940.00                         | 21.0%  | 46                                | 3.48%                                      | 40.5%  | 5.3%                              |   | 5                         |
| Marinette   | \$ 55,694.00                         | 33.4%  | 13                                | 0.47%                                      | 31.1%  | - 4.0%                            |   | 7                         |
| Marquette   | \$ 55,386.00                         | 32.7%  | 9                                 | 1.55%                                      | 33.9%  | 1.5%                              |   | 7                         |
| Menominee   | \$ 54,940.00                         | 39.7%  | 5                                 | 1.23%                                      | 63.5%  | - 5.9%                            |   | 5                         |
| Milwaukee   | \$ 54,793.00                         | 27.5%  | 1924                              | -0.93%                                     | 28.7%  | 1.6%                              |   | 6                         |
| Monroe      | \$ 63,061.00                         | 27.4%  | 23                                | 3.64%                                      | 36.4%  | 4.1%                              |   | 6                         |
| Oconto      | \$ 68,426.00                         | 25.8%  | 9                                 | 3.91%                                      | 37.4%  | 3.0%                              |   | 6                         |
| Oneida      | \$ 62,660.00                         | 31.1%  | 15                                | 5.21%                                      | 28.7%  | - 1.0%                            |   | 6                         |
| Outagamie   | \$ 72,695.00                         | 18.7%  | 168                               | 8.30%                                      | 41.1%  | 5.9%                              |   | 3                         |
| Ozaukee     | \$ 86,915.00                         | 12.5%  | 174                               | 6.91%                                      | 31.7%  | 6.4%                              |   | 3                         |
| Pepin       | \$ 63,015.00                         | 27.7%  | 10                                | -1.46%                                     | 35.1%  | 1.0%                              |   | 7                         |
| Pierce      | \$ 78,341.00                         | 20.0%  | 19                                | 3.16%                                      | 39.5%  | - 0.1%                            |   | 5                         |
| Polk        | \$ 67,878.00                         | 27.9%  | 18                                | 2.50%                                      | 38.2%  | 5.0%                              |   | 7                         |
| Portage     | \$ 65,550.00                         | 23.7%  | 42                                | 0.50%                                      | 37.4%  | 5.6%                              |   | 7                         |
| Price       | \$ 52,052.00                         | 36.0%  | 4                                 | -0.21%                                     | 13.0%  | - 8.4%                            |   | 7                         |
| Racine      | \$ 67,224.00                         | 24.1%  | 222                               | 1.41%                                      | 27.4%  | 1.3%                              |   | 6                         |
| Richland    | \$ 56,089.00                         | 30.2%  | 10                                | -4.22%                                     | 29.5%  | - 3.7%                            |   | 7                         |
| Rock        | \$ 65,518.00                         | 25.3%  | 93                                | 3.02%                                      | 42.3%  | 9.8%                              |   | 5                         |
| Rusk        | \$ 51,978.00                         | 33.4%  | 5                                 | -3.61%                                     | 49.2%  | - 1.7%                            |   | 7                         |
| St. Croix   | \$ 91,320.00                         | 15.8%  | 43                                | 13.45%                                     | 56.5%  | 16.8%                             |   | 1                         |
| Sauk        | \$ 67,702.00                         | 21.0%  | 29                                | 7.26%                                      | 67.3%  | - 3.5%                            | 30.16%  | 5                         |
| Sawyer      | \$ 53,011.00                         | 34.6%  | 8                                 | 8.61%                                      | 31.7%  | - 1.9%                            |   | 6                         |
| Shawano     | \$ 59,767.00                         | 29.0%  | 24                                | -1.74%                                     | 32.0%  | - 1.6%                            |   | 7                         |
| Sheboygan   | \$ 65,352.00                         | 21.4%  | 83                                | 2.79%                                      | 35.1%  | 4.9%                              | 0.94%   | 5                         |
| Taylor      | \$ 56,350.00                         | 27.1%  | 8                                 | -3.48%                                     | 33.4%  | 0.6%                              |   | 7                         |
| Trempealeau | \$ 64,336.00                         | 27.4%  | 17                                | 6.55%                                      | 28.3%  | - 6.4%                            |   | 6                         |
| Vernon      | \$ 57,933.00                         | 28.0%  | 11                                | 3.68%                                      | 33.9%  | 1.1%                              |   | 6                         |
| Vilas       | \$ 56,837.00                         | 32.1%  | 10                                | 7.70%                                      | 45.6%  | 8.2%                              |   | 5                         |
| Walworth    | \$ 69,382.00                         | 20.6%  | 78                                | 3.51%                                      | 48.2%  | 9.8%                              |   | 2                         |

|            | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011- 2021 <sup>5</sup> (2points) | Job Growth 2011- 2021 <sup>6</sup> | Capital Costs as a % of Payroll <sup>7</sup> (2 points) | Secondary Indicator Score |
|------------|--------------------------------------|--|-----------------------------------|--|---|------------------------------------|---|---------------------------|
| Washburn   | \$ 54,550.00                         | 35.6%  | 7                                 | 4.70%                                      | 34.0%   | 0.2%                               |   | 6                         |
| Washington | \$ 85,574.00                         | 17.7%  | 133                               | 4.34%                                      | 35.1%   | 11.0%                              |   | 2                         |
| Waukesha   | \$ 94,310.00                         | 14.2%  | 446                               | 5.08%                                      | 38.9%   | 8.3%                               |   | 2                         |
| Waupaca    | \$ 65,070.00                         | 29.3%  | 25                                | -0.14%                                     | 24.7%   | - 6.7%                             |   | 7                         |
| Waushara   | \$ 57,224.00                         | 31.9%  | 10                                | -0.06%                                     | 24.0%   | 3.4%                               |   | 7                         |
| Winnebago  | \$ 63,938.00                         | 21.5%  | 214                               | 2.89%                                      | 34.7%   | 3.0%                               |   | 5                         |
| Wood       | \$ 57,996.00                         | 28.2%  | 46                                | -0.52%                                     | 23.8%   | - 3.3%                             |   | 7                         |
| Threshold  | US= \$69,021                         | U.S. = 21.7%   | WI =51.7                          | 1/2 U.S = 3.2%                             | U.S = 49.4%   | 1/2 U.S = 7.1%                     |   |                           |

<sup>1</sup> U.S. Dept. of Commerce, Census Bureau, American Community Survey 2016-2021; Table B19013 Inflation-Adjusted Median Household Income.

<sup>2</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>3</sup> Jobs from WI DWD Quarterly Census of Employment and Wages; land area from U.S. Census Bureau, County Quick Facts.

<sup>4</sup> WI DOA Demographic Services Center; [www.doa.state.wi.us/demographics](http://www.doa.state.wi.us/demographics).

<sup>5</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>6</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>7</sup> Wage values from U.S. Dept. of Commerce, Census Bureau; County Business Patterns.

Thresholds provided by the University of Massachusetts Donahue Institute.

## Appendix D. Secondary Indicator Scores for Food Processors

Last Revised: August 2023

The following table provides the secondary indicator score for food processors as described in the Final Economic Determination. Please refer to Section 5 of that report for details on each economic metric, why it was selected, and how the scoring process worked. All shaded cells in this table indicate that the cell value exceeds the indicator threshold, and contributes to the secondary indicator value. The total secondary indicator value in the last column of this table provides the secondary indicator total, which is the value used to determine eligibility for the MDV.

Note: This information will be updated as new information becomes available.

Table 3. Food Processors' Secondary Indicators

|             | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011-2021 <sup>5</sup><br>(2points) | Job Growth 2011-2021 <sup>6</sup> | Capital Costs as a % of Payroll <sup>7</sup><br>(2 points) | Secondary Indicator Score |
|-------------|--------------------------------------|--|-----------------------------------|--|---|-----------------------------------|--|---------------------------|
| Adams       | \$ 51,878.00                         | 38.2%  | 6                                 | 0.19%                                      | 28.7%   | - 0.3%                            |  | 7                         |
| Ashland     | \$ 55,070.00                         | 36.3%  | 8                                 | -0.78%                                     | 25.7%   | - 5.6%                            |  | 7                         |
| Barron      | \$ 55,256.00                         | 27.5%  | 25                                | 2.16%                                      | 30.0%   | 1.5%                              | 4.83%  | 9                         |
| Bayfield    | \$ 62,859.00                         | 30.8%  | 3                                 | 7.59%                                      | 32.5%   | 4.1%                              |  | 6                         |
| Brown       | \$ 68,799.00                         | 19.2%  | 294                               | 9.14%                                      | 37.8%   | 7.5%                              |  | 3                         |
| Buffalo     | \$ 61,167.00                         | 27.5%  | 6                                 | -2.55%                                     | 26.9%   | - 9.6%                            |  | 7                         |
| Burnett     | \$ 55,890.00                         | 36.4%  | 6                                 | 7.30%                                      | 32.7%   | 2.2%                              |  | 6                         |
| Calumet     | \$ 78,453.00                         | 17.0%  | 50                                | 11.86%                                     | 39.2%   | 28.3%                             |  | 3                         |
| Chippewa    | \$ 63,172.00                         | 24.9%  | 25                                | 6.86%                                      | 38.5%   | 13.5%                             |  | 5                         |
| Clark       | \$ 57,547.00                         | 26.1%  | 9                                 | 0.27%                                      | 47.5%   | 7.5%                              |  | 6                         |
| Columbia    | \$ 73,786.00                         | 20.6%  | 29                                | 3.15%                                      | 39.3%   | 7.2%                              |  | 4                         |
| Crawford    | \$ 54,526.00                         | 32.0%  | 12                                | -3.06%                                     | 28.6%   | - 7.6%                            |  | 7                         |
| Dane        | \$ 78,452.00                         | 14.0%  | 291                               | 18.43%                                     | 62.7%   | 14.4%                             |  | 0                         |
| Dodge       | \$ 66,403.00                         | 23.9%  | 41                                | 0.15%                                      | 26.7%   | 4.6%                              |  | 7                         |
| Door        | \$ 63,856.00                         | 24.1%  | 31                                | 8.83%                                      | 41.7%   | 5.8%                              |  | 6                         |
| Douglas     | \$ 59,688.00                         | 31.5%  | 13                                | 0.81%                                      | 32.6%   | 2.7%                              |  | 7                         |
| Dunn        | \$ 64,420.00                         | 25.9%  | 21                                | 3.65%                                      | 30.9%   | 5.4%                              |  | 6                         |
| Eau Claire  | \$ 64,777.00                         | 22.0%  | 91                                | 8.82%                                      | 33.2%   | 3.0%                              |  | 5                         |
| Florence    | \$ 52,143.00                         | 26.4%  | 2                                 | 4.98%                                      | 44.3%   | 2.2%                              |  | 6                         |
| Fond du Lac | \$ 66,390.00                         | 23.2%  | 65                                | 2.16%                                      | 38.8%   | 4.6%                              |  | 6                         |
| Forest      | \$ 51,959.00                         | 37.8%  | 3                                 | -0.08%                                     | 29.8%   | - 5.1%                            |  | 7                         |
| Grant       | \$ 58,289.00                         | 24.4%  | 15                                | -0.52%                                     | 40.4%   | 1.6%                              |  | 7                         |
| Green       | \$ 70,267.00                         | 20.9%  | 26                                | 1.58%                                      | 32.3%   | 2.6%                              |  | 5                         |
| Green Lake  | \$ 60,597.00                         | 29.0%  | 17                                | -0.08%                                     | 12.9%   | -10.5%                            |  | 7                         |
| Iowa        | \$ 73,716.00                         | 21.1%  | 14                                | 0.89%                                      | 36.3%   | 0.2%                              |  | 5                         |
| Iron        | \$ 48,908.00                         | 35.5%  | 2                                 | 4.83%                                      | 29.5%   | - 1.8%                            |  | 6                         |
| Jackson     | \$ 59,422.00                         | 28.0%  | 8                                 | 2.90%                                      | 17.6%   | - 7.0%                            |  | 7                         |



|             | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011-2021 <sup>5</sup> (2points) | Job Growth 2011-2021 <sup>6</sup> | Capital Costs as a % of Payroll <sup>7</sup> (2 points) | Secondary Indicator Score |
|-------------|--------------------------------------|--|-----------------------------------|--|--|-----------------------------------|---|---------------------------|
| Jefferson   | \$ 71,735.00                         | 23.0%  | 62                                | 3.24%                                      | 35.1%  | 3.7%                              |   | 5                         |
| Juneau      | \$ 58,561.00                         | 32.5%  | 12                                | -0.11%                                     | 25.6%  | 0.3%                              |   | 7                         |
| Kenosha     | \$ 70,073.00                         | 21.9%  | 263                               | 2.07%                                      | 48.0%  | 29.1%                             |   | 4                         |
| Kewaunee    | \$ 72,328.00                         | 23.4%  | 19                                | -0.08%                                     | 25.2%  | -9.3%                             |   | 6                         |
| La Crosse   | \$ 62,817.00                         | 21.4%  | 152                               | 5.67%                                      | 42.8%  | 4.7%                              |   | 4                         |
| Lafayette   | \$ 65,009.00                         | 23.7%  | 7                                 | -1.46%                                     | 22.5%  | 7.9%                              |   | 6                         |
| Langlade    | \$ 53,313.00                         | 34.6%  | 8                                 | -2.13%                                     | 26.7%  | -2.4%                             |   | 7                         |
| Lincoln     | \$ 61,363.00                         | 30.1%  | 12                                | -1.47%                                     | 31.8%  | -3.7%                             |   | 7                         |
| Manitowoc   | \$ 61,454.00                         | 26.6%  | 56                                | 0.01%                                      | 14.8%  | -2.2%                             |   | 6                         |
| Marathon    | \$ 67,940.00                         | 21.0%  | 46                                | 3.48%                                      | 40.5%  | 5.3%                              |   | 5                         |
| Marinette   | \$ 55,694.00                         | 33.4%  | 13                                | 0.47%                                      | 31.1%  | -4.0%                             |   | 7                         |
| Marquette   | \$ 55,386.00                         | 32.7%  | 9                                 | 1.55%                                      | 33.9%  | 1.5%                              |   | 7                         |
| Menominee   | \$ 54,940.00                         | 39.7%  | 5                                 | 1.23%                                      | 63.5%  | -5.9%                             |   | 5                         |
| Milwaukee   | \$ 54,793.00                         | 27.5%  | 1924                              | -0.93%                                     | 28.7%  | 1.6%                              |   | 6                         |
| Monroe      | \$ 63,061.00                         | 27.4%  | 23                                | 3.64%                                      | 36.4%  | 4.1%                              |   | 6                         |
| Oconto      | \$ 68,426.00                         | 25.8%  | 9                                 | 3.91%                                      | 37.4%  | 3.0%                              |   | 6                         |
| Oneida      | \$ 62,660.00                         | 31.1%  | 15                                | 5.21%                                      | 28.7%  | -1.0%                             |   | 6                         |
| Outagamie   | \$ 72,695.00                         | 18.7%  | 168                               | 8.30%                                      | 41.1%  | 5.9%                              | 1.04%   | 5                         |
| Ozaukee     | \$ 86,915.00                         | 12.5%  | 174                               | 6.91%                                      | 31.7%  | 6.4%                              | 11.31%  | 5                         |
| Pepin       | \$ 63,015.00                         | 27.7%  | 10                                | -1.46%                                     | 35.1%  | 1.0%                              |   | 7                         |
| Pierce      | \$ 78,341.00                         | 20.0%  | 19                                | 3.16%                                      | 39.5%  | -0.1%                             |   | 5                         |
| Polk        | \$ 67,878.00                         | 27.9%  | 18                                | 2.50%                                      | 38.2%  | 5.0%                              |   | 7                         |
| Portage     | \$ 65,550.00                         | 23.7%  | 42                                | 0.50%                                      | 37.4%  | 5.6%                              |   | 7                         |
| Price       | \$ 52,052.00                         | 36.0%  | 4                                 | -0.21%                                     | 13.0%  | -8.4%                             |   | 7                         |
| Racine      | \$ 67,224.00                         | 24.1%  | 222                               | 1.41%                                      | 27.4%  | 1.3%                              |   | 6                         |
| Richland    | \$ 56,089.00                         | 30.2%  | 10                                | -4.22%                                     | 29.5%  | -3.7%                             |   | 7                         |
| Rock        | \$ 65,518.00                         | 25.3%  | 93                                | 3.02%                                      | 42.3%  | 9.8%                              |   | 5                         |
| Rusk        | \$ 51,978.00                         | 33.4%  | 5                                 | -3.61%                                     | 49.2%  | -1.7%                             |   | 7                         |
| St. Croix   | \$ 91,320.00                         | 15.8%  | 43                                | 13.45%                                     | 56.5%  | 16.8%                             |   | 1                         |
| Sauk        | \$ 67,702.00                         | 21.0%  | 29                                | 7.26%                                      | 67.3%  | -3.5%                             | 4.61%   | 5                         |
| Sawyer      | \$ 53,011.00                         | 34.6%  | 8                                 | 8.61%                                      | 31.7%  | -1.9%                             |   | 6                         |
| Shawano     | \$ 59,767.00                         | 29.0%  | 24                                | -1.74%                                     | 32.0%  | -1.6%                             |   | 7                         |
| Sheboygan   | \$ 65,352.00                         | 21.4%  | 83                                | 2.79%                                      | 35.1%  | 4.9%                              | 0.58%   | 5                         |
| Taylor      | \$ 56,350.00                         | 27.1%  | 8                                 | -3.48%                                     | 33.4%  | 0.6%                              |   | 7                         |
| Trempealeau | \$ 64,336.00                         | 27.4%  | 17                                | 6.55%                                      | 28.3%  | -6.4%                             |   | 6                         |
| Vernon      | \$ 57,933.00                         | 28.0%  | 11                                | 3.68%                                      | 33.9%  | 1.1%                              |   | 6                         |
| Vilas       | \$ 56,837.00                         | 32.1%  | 10                                | 7.70%                                      | 45.6%  | 8.2%                              |   | 5                         |
| Walworth    | \$ 69,382.00                         | 20.6%  | 78                                | 3.51%                                      | 48.2%  | 9.8%                              |   | 2                         |

|            | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011-2021 <sup>5</sup> (2points) | Job Growth 2011-2021 <sup>6</sup> | Capital Costs as a % of Payroll <sup>7</sup> (2 points) | Secondary Indicator Score |
|------------|--------------------------------------|--|-----------------------------------|--|--|-----------------------------------|---|---------------------------|
| Washburn   | \$ 54,550.00                         | 35.6%  | 7                                 | 4.70%                                      | 34.0%  | 0.2%                              |   | 6                         |
| Washington | \$ 85,574.00                         | 17.7%  | 133                               | 4.34%                                      | 35.1%  | 11.0%                             |   | 2                         |
| Waukesha   | \$ 94,310.00                         | 14.2%  | 446                               | 5.08%                                      | 38.9%  | 8.3%                              |   | 2                         |
| Waupaca    | \$ 65,070.00                         | 29.3%  | 25                                | -0.14%                                     | 24.7%  | - 6.7%                            |   | 7                         |
| Waushara   | \$ 57,224.00                         | 31.9%  | 10                                | -0.06%                                     | 24.0%  | 3.4%                              |   | 7                         |
| Winnebago  | \$ 63,938.00                         | 21.5%  | 214                               | 2.89%                                      | 34.7%  | 3.0%                              |   | 5                         |
| Wood       | \$ 57,996.00                         | 28.2%  | 46                                | -0.52%                                     | 23.8%  | - 3.3%                            |   | 7                         |
| Threshold  | US= \$69,021                         | U.S. = 21.7%   | WI =51.7                          | 1/2 U.S = 3.2%                             | U.S = 49.4%  | 1/2 U.S = 7.1%                    |   |                           |

<sup>1</sup> U.S. Dept. of Commerce, Census Bureau, American Community Survey 2016-2021; Table B19013 Inflation-Adjusted Median Household Income.

<sup>2</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>3</sup> Jobs from WI DWD Quarterly Census of Employment and Wages; land area from U.S. Census Bureau, County Quick Facts.

<sup>4</sup> WI DOA Demographic Services Center; [www.doa.state.wi.us/demographics](http://www.doa.state.wi.us/demographics).

<sup>5</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>6</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>7</sup> Wage values from U.S. Dept. of Commerce, Census Bureau; County Business Patterns.

Thresholds provided by the University of Massachusetts Donahue Institute.

## Appendix E. Secondary Indicator Scores for the Paper Industry

Last Revised: August 2023

The following table provides the secondary indicator score for paper industries as described in the Final Economic Determination. Please refer to Section 5 of that report for details on each economic metric, why it was selected, and how the scoring process worked. All shaded cells in this table indicate that the cell value exceeds the indicator threshold, and contributes to the secondary indicator value. The total secondary indicator value in the last column of this table provides the secondary indicator total, which is the value used to determine eligibility for the MDV.

Note: This information will be updated as new information becomes available.

Table 4 Paper Industry Secondary Indicators

|             | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011-2021 <sup>5</sup><br>(2points) | Job Growth 2011-2021 <sup>6</sup> | Capital Costs as a % of Payroll <sup>7</sup><br>(2 points) | Secondary Indicator Score |
|-------------|--------------------------------------|--|-----------------------------------|--|---|-----------------------------------|--|---------------------------|
| Adams       | \$ 51,878.00                         | 38.2%  | 6                                 | 0.19%                                      | 28.7%   | - 0.3%                            | 7  |                           |
| Ashland     | \$ 55,070.00                         | 36.3%  | 8                                 | -0.78%                                     | 25.7%   | - 5.6%                            | 7  |                           |
| Barron      | \$ 55,256.00                         | 27.5%  | 25                                | 2.16%                                      | 30.0%   | 1.5%                              | 7  |                           |
| Bayfield    | \$ 62,859.00                         | 30.8%  | 3                                 | 7.59%                                      | 32.5%   | 4.1%                              | 6  |                           |
| Brown       | \$ 68,799.00                         | 19.2%  | 294                               | 9.14%                                      | 37.8%   | 7.5%                              | 5  |                           |
| Buffalo     | \$ 61,167.00                         | 27.5%  | 6                                 | -2.55%                                     | 26.9%   | - 9.6%                            | 7  |                           |
| Burnett     | \$ 55,890.00                         | 36.4%  | 6                                 | 7.30%                                      | 32.7%   | 2.2%                              | 6  |                           |
| Calumet     | \$ 78,453.00                         | 17.0%  | 50                                | 11.86%                                     | 39.2%   | 28.3%                             | 3  |                           |
| Chippewa    | \$ 63,172.00                         | 24.9%  | 25                                | 6.86%                                      | 38.5%   | 13.5%                             | 5  |                           |
| Clark       | \$ 57,547.00                         | 26.1%  | 9                                 | 0.27%                                      | 47.5%   | 7.5%                              | 6  |                           |
| Columbia    | \$ 73,786.00                         | 20.6%  | 29                                | 3.15%                                      | 39.3%   | 7.2%                              | 4  |                           |
| Crawford    | \$ 54,526.00                         | 32.0%  | 12                                | -3.06%                                     | 28.6%   | - 7.6%                            | 7  |                           |
| Dane        | \$ 78,452.00                         | 14.0%  | 291                               | 18.43%                                     | 62.7%   | 14.4%                             | 0  |                           |
| Dodge       | \$ 66,403.00                         | 23.9%  | 41                                | 0.15%                                      | 26.7%   | 4.6%                              | 7  |                           |
| Door        | \$ 63,856.00                         | 24.1%  | 31                                | 8.83%                                      | 41.7%   | 5.8%                              | 6  |                           |
| Douglas     | \$ 59,688.00                         | 31.5%  | 13                                | 0.81%                                      | 32.6%   | 2.7%                              | 7  |                           |
| Dunn        | \$ 64,420.00                         | 25.9%  | 21                                | 3.65%                                      | 30.9%   | 5.4%                              | 6  |                           |
| Eau Claire  | \$ 64,777.00                         | 22.0%  | 91                                | 8.82%                                      | 33.2%   | 3.0%                              | 5  |                           |
| Florence    | \$ 52,143.00                         | 26.4%  | 2                                 | 4.98%                                      | 44.3%   | 2.2%                              | 6  |                           |
| Fond du Lac | \$ 66,390.00                         | 23.2%  | 65                                | 2.16%                                      | 38.8%   | 4.6%                              | 6  |                           |
| Forest      | \$ 51,959.00                         | 37.8%  | 3                                 | -0.08%                                     | 29.8%   | - 5.1%                            | 7  |                           |
| Grant       | \$ 58,289.00                         | 24.4%  | 15                                | -0.52%                                     | 40.4%   | 1.6%                              | 7  |                           |
| Green       | \$ 70,267.00                         | 20.9%  | 26                                | 1.58%                                      | 32.3%   | 2.6%                              | 5  |                           |
| Green Lake  | \$ 60,597.00                         | 29.0%  | 17                                | -0.08%                                     | 12.9%   | -10.5%                            | 7  |                           |
| Iowa        | \$ 73,716.00                         | 21.1%  | 14                                | 0.89%                                      | 36.3%   | 0.2%                              | 5  |                           |
| Iron        | \$ 48,908.00                         | 35.5%  | 2                                 | 4.83%                                      | 29.5%   | - 1.8%                            | 6  |                           |
| Jackson     | \$ 59,422.00                         | 28.0%  | 8                                 | 2.90%                                      | 17.6%   | - 7.0%                            | 7  |                           |

|             | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011- 2021 <sup>5</sup> (2points) | Job Growth 2011- 2021 <sup>6</sup> | Capital Costs as a % of Payroll <sup>7</sup> (2 points) | Secondary Indicator Score |
|-------------|--------------------------------------|--|-----------------------------------|--|---|------------------------------------|---|---------------------------|
| Jefferson   | \$ 71,735.00                         | 23.0%  | 62                                | 3.24%                                      | 35.1%   | 3.7%                               |   | 5                         |
| Juneau      | \$ 58,561.00                         | 32.5%  | 12                                | -0.11%                                     | 25.6%   | 0.3%                               |   | 7                         |
| Kenosha     | \$ 70,073.00                         | 21.9%  | 263                               | 2.07%                                      | 48.0%   | 29.1%                              |   | 4                         |
| Kewaunee    | \$ 72,328.00                         | 23.4%  | 19                                | -0.08%                                     | 25.2%   | - 9.3%                             |   | 6                         |
| La Crosse   | \$ 62,817.00                         | 21.4%  | 152                               | 5.67%                                      | 42.8%   | 4.7%                               |   | 4                         |
| Lafayette   | \$ 65,009.00                         | 23.7%  | 7                                 | -1.46%                                     | 22.5%   | 7.9%                               |   | 6                         |
| Langlade    | \$ 53,313.00                         | 34.6%  | 8                                 | -2.13%                                     | 26.7%   | - 2.4%                             |   | 7                         |
| Lincoln     | \$ 61,363.00                         | 30.1%  | 12                                | -1.47%                                     | 31.8%   | - 3.7%                             |   | 7                         |
| Manitowoc   | \$ 61,454.00                         | 26.6%  | 56                                | 0.01%                                      | 14.8%   | - 2.2%                             |   | 6                         |
| Marathon    | \$ 67,940.00                         | 21.0%  | 46                                | 3.48%                                      | 40.5%   | 5.3%                               | 0.45%   | 5                         |
| Marinette   | \$ 55,694.00                         | 33.4%  | 13                                | 0.47%                                      | 31.1%   | - 4.0%                             |   | 7                         |
| Marquette   | \$ 55,386.00                         | 32.7%  | 9                                 | 1.55%                                      | 33.9%   | 1.5%                               |   | 7                         |
| Menominee   | \$ 54,940.00                         | 39.7%  | 5                                 | 1.23%                                      | 63.5%   | - 5.9%                             |   | 5                         |
| Milwaukee   | \$ 54,793.00                         | 27.5%  | 1924                              | -0.93%                                     | 28.7%   | 1.6%                               |   | 6                         |
| Monroe      | \$ 63,061.00                         | 27.4%  | 23                                | 3.64%                                      | 36.4%   | 4.1%                               |   | 6                         |
| Oconto      | \$ 68,426.00                         | 25.8%  | 9                                 | 3.91%                                      | 37.4%   | 3.0%                               |   | 6                         |
| Oneida      | \$ 62,660.00                         | 31.1%  | 15                                | 5.21%                                      | 28.7%   | - 1.0%                             |   | 6                         |
| Outagamie   | \$ 72,695.00                         | 18.7%  | 168                               | 8.30%                                      | 41.1%   | 5.9%                               | 13.88%  | 5                         |
| Ozaukee     | \$ 86,915.00                         | 12.5%  | 174                               | 6.91%                                      | 31.7%   | 6.4%                               |   | 3                         |
| Pepin       | \$ 63,015.00                         | 27.7%  | 10                                | -1.46%                                     | 35.1%   | 1.0%                               |   | 7                         |
| Pierce      | \$ 78,341.00                         | 20.0%  | 19                                | 3.16%                                      | 39.5%   | - 0.1%                             |   | 5                         |
| Polk        | \$ 67,878.00                         | 27.9%  | 18                                | 2.50%                                      | 38.2%   | 5.0%                               |   | 7                         |
| Portage     | \$ 65,550.00                         | 23.7%  | 42                                | 0.50%                                      | 37.4%   | 5.6%                               | 3.58%   | 9                         |
| Price       | \$ 52,052.00                         | 36.0%  | 4                                 | -0.21%                                     | 13.0%   | - 8.4%                             |   | 7                         |
| Racine      | \$ 67,224.00                         | 24.1%  | 222                               | 1.41%                                      | 27.4%   | 1.3%                               |   | 6                         |
| Richland    | \$ 56,089.00                         | 30.2%  | 10                                | -4.22%                                     | 29.5%   | - 3.7%                             |   | 7                         |
| Rock        | \$ 65,518.00                         | 25.3%  | 93                                | 3.02%                                      | 42.3%   | 9.8%                               |   | 5                         |
| Rusk        | \$ 51,978.00                         | 33.4%  | 5                                 | -3.61%                                     | 49.2%   | - 1.7%                             |   | 7                         |
| St. Croix   | \$ 91,320.00                         | 15.8%  | 43                                | 13.45%                                     | 56.5%   | 16.8%                              |   | 1                         |
| Sauk        | \$ 67,702.00                         | 21.0%  | 29                                | 7.26%                                      | 67.3%   | - 3.5%                             |   | 3                         |
| Sawyer      | \$ 53,011.00                         | 34.6%  | 8                                 | 8.61%                                      | 31.7%   | - 1.9%                             |   | 6                         |
| Shawano     | \$ 59,767.00                         | 29.0%  | 24                                | -1.74%                                     | 32.0%   | - 1.6%                             |   | 7                         |
| Sheboygan   | \$ 65,352.00                         | 21.4%  | 83                                | 2.79%                                      | 35.1%   | 4.9%                               |   | 5                         |
| Taylor      | \$ 56,350.00                         | 27.1%  | 8                                 | -3.48%                                     | 33.4%   | 0.6%                               |   | 7                         |
| Trempealeau | \$ 64,336.00                         | 27.4%  | 17                                | 6.55%                                      | 28.3%   | - 6.4%                             |   | 6                         |
| Vernon      | \$ 57,933.00                         | 28.0%  | 11                                | 3.68%                                      | 33.9%   | 1.1%                               |   | 6                         |
| Vilas       | \$ 56,837.00                         | 32.1%  | 10                                | 7.70%                                      | 45.6%   | 8.2%                               |   | 5                         |
| Walworth    | \$ 69,382.00                         | 20.6%  | 78                                | 3.51%                                      | 48.2%   | 9.8%                               |   | 2                         |

|            | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011-2021 <sup>5</sup> (2points) | Job Growth 2011-2021 <sup>6</sup> | Capital Costs as a % of Payroll <sup>7</sup> (2 points) | Secondary Indicator Score |
|------------|--------------------------------------|--|-----------------------------------|--|--|-----------------------------------|---|---------------------------|
| Washburn   | \$ 54,550.00                         | 35.6%  | 7                                 | 4.70%                                      | 34.0%  | 0.2%                              |   | 6                         |
| Washington | \$ 85,574.00                         | 17.7%  | 133                               | 4.34%                                      | 35.1%  | 11.0%                             |   | 2                         |
| Waukesha   | \$ 94,310.00                         | 14.2%  | 446                               | 5.08%                                      | 38.9%  | 8.3%                              |   | 2                         |
| Waupaca    | \$ 65,070.00                         | 29.3%  | 25                                | -0.14%                                     | 24.7%  | - 6.7%                            |   | 7                         |
| Waushara   | \$ 57,224.00                         | 31.9%  | 10                                | -0.06%                                     | 24.0%  | 3.4%                              |   | 7                         |
| Winnebago  | \$ 63,938.00                         | 21.5%  | 214                               | 2.89%                                      | 34.7%  | 3.0%                              |   | 5                         |
| Wood       | \$ 57,996.00                         | 28.2%  | 46                                | -0.52%                                     | 23.8%  | - 3.3%                            | 28.23%  | 9                         |
| Threshold  | US= \$69,021                         | U.S. = 21.7%   | WI =51.7                          | 1/2 U.S = 3.2%                             | U.S = 49.4%  | 1/2 U.S = 7.1%                    |   |                           |

<sup>1</sup> U.S. Dept. of Commerce, Census Bureau, American Community Survey 2016-2021; Table B19013 Inflation-Adjusted Median Household Income.

<sup>2</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>3</sup> Jobs from WI DWD Quarterly Census of Employment and Wages; land area from U.S. Census Bureau, County Quick Facts.

<sup>4</sup> WI DOA Demographic Services Center; [www.doa.state.wi.us/demographics](http://www.doa.state.wi.us/demographics).

<sup>5</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>6</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>7</sup> Wage values from U.S. Dept. of Commerce, Census Bureau; County Business Patterns.

Thresholds provided by the University of Massachusetts Donahue Institute.

## Appendix F. Secondary Screeners for Aquaculture

Last Revised: August 2023

The following table provides the secondary indicator score for aquaculture facilities as described in the Final Economic Determination. Please refer to Section 5 of that report for details on each economic metric, why it was selected, and how the scoring process worked. All shaded cells in this table indicate that the cell value exceeds the indicator threshold, and contributes to the secondary indicator value. The total secondary indicator value in the last column of this table provides the secondary indicator total, which is the value used to determine eligibility for the MDV.

Table 5. Aquaculture Secondary Indicators

|             | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011-2021 <sup>5</sup><br>(2points) | Job Growth 2011-2021 <sup>6</sup> | Capital Costs as a % of Payroll <sup>7</sup><br>(2 points) | Secondary Indicator Score |
|-------------|--------------------------------------|--|-----------------------------------|--|---|-----------------------------------|--|---------------------------|
| Adams       | \$ 51,878.00                         | 38.2%  | 6                                 | 0.19%                                      | 28.7%   | - 0.3%                            | 7  |                           |
| Ashland     | \$ 55,070.00                         | 36.3%  | 8                                 | -0.78%                                     | 25.7%   | - 5.6%                            | 7  |                           |
| Barron      | \$ 55,256.00                         | 27.5%  | 25                                | 2.16%                                      | 30.0%   | 1.5%                              | 7  |                           |
| Bayfield    | \$ 62,859.00                         | 30.8%  | 3                                 | 7.59%                                      | 32.5%   | 4.1%                              | 6  |                           |
| Brown       | \$ 68,799.00                         | 19.2%  | 294                               | 9.14%                                      | 37.8%   | 7.5%                              | 3  |                           |
| Buffalo     | \$ 61,167.00                         | 27.5%  | 6                                 | -2.55%                                     | 26.9%   | - 9.6%                            | 7  |                           |
| Burnett     | \$ 55,890.00                         | 36.4%  | 6                                 | 7.30%                                      | 32.7%   | 2.2%                              | 6  |                           |
| Calumet     | \$ 78,453.00                         | 17.0%  | 50                                | 11.86%                                     | 39.2%   | 28.3%                             | 3  |                           |
| Chippewa    | \$ 63,172.00                         | 24.9%  | 25                                | 6.86%                                      | 38.5%   | 13.5%                             | 5  |                           |
| Clark       | \$ 57,547.00                         | 26.1%  | 9                                 | 0.27%                                      | 47.5%   | 7.5%                              | 6  |                           |
| Columbia    | \$ 73,786.00                         | 20.6%  | 29                                | 3.15%                                      | 39.3%   | 7.2%                              | 4  |                           |
| Crawford    | \$ 54,526.00                         | 32.0%  | 12                                | -3.06%                                     | 28.6%   | - 7.6%                            | 7  |                           |
| Dane        | \$ 78,452.00                         | 14.0%  | 291                               | 18.43%                                     | 62.7%   | 14.4%                             | 0  |                           |
| Dodge       | \$ 66,403.00                         | 23.9%  | 41                                | 0.15%                                      | 26.7%   | 4.6%                              | 7  |                           |
| Door        | \$ 63,856.00                         | 24.1%  | 31                                | 8.83%                                      | 41.7%   | 5.8%                              | 6  |                           |
| Douglas     | \$ 59,688.00                         | 31.5%  | 13                                | 0.81%                                      | 32.6%   | 2.7%                              | 7  |                           |
| Dunn        | \$ 64,420.00                         | 25.9%  | 21                                | 3.65%                                      | 30.9%   | 5.4%                              | 6  |                           |
| Eau Claire  | \$ 64,777.00                         | 22.0%  | 91                                | 8.82%                                      | 33.2%   | 3.0%                              | 5  |                           |
| Florence    | \$ 52,143.00                         | 26.4%  | 2                                 | 4.98%                                      | 44.3%   | 2.2%                              | 6  |                           |
| Fond du Lac | \$ 66,390.00                         | 23.2%  | 65                                | 2.16%                                      | 38.8%   | 4.6%                              | 6  |                           |
| Forest      | \$ 51,959.00                         | 37.8%  | 3                                 | -0.08%                                     | 29.8%   | - 5.1%                            | 7  |                           |
| Grant       | \$ 58,289.00                         | 24.4%  | 15                                | -0.52%                                     | 40.4%   | 1.6%                              | 7  |                           |
| Green       | \$ 70,267.00                         | 20.9%  | 26                                | 1.58%                                      | 32.3%   | 2.6%                              | 5  |                           |
| Green Lake  | \$ 60,597.00                         | 29.0%  | 17                                | -0.08%                                     | 12.9%   | -10.5%                            | 7  |                           |
| Iowa        | \$ 73,716.00                         | 21.1%  | 14                                | 0.89%                                      | 36.3%   | 0.2%                              | 5  |                           |
| Iron        | \$ 48,908.00                         | 35.5%  | 2                                 | 4.83%                                      | 29.5%   | - 1.8%                            | 6  |                           |
| Jackson     | \$ 59,422.00                         | 28.0%  | 8                                 | 2.90%                                      | 17.6%   | - 7.0%                            | 7  |                           |

|             | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011-2021 <sup>5</sup> (2points) | Job Growth 2011-2021 <sup>6</sup> | Capital Costs as a % of Payroll <sup>7</sup> (2 points) | Secondary Indicator Score |
|-------------|--------------------------------------|--|-----------------------------------|--|--|-----------------------------------|---|---------------------------|
| Jefferson   | \$ 71,735.00                         | 23.0%  | 62                                | 3.24%                                      | 35.1%  | 3.7%                              |   | 5                         |
| Juneau      | \$ 58,561.00                         | 32.5%  | 12                                | -0.11%                                     | 25.6%  | 0.3%                              |   | 7                         |
| Kenosha     | \$ 70,073.00                         | 21.9%  | 263                               | 2.07%                                      | 48.0%  | 29.1%                             |   | 4                         |
| Kewaunee    | \$ 72,328.00                         | 23.4%  | 19                                | -0.08%                                     | 25.2%  | - 9.3%                            |   | 6                         |
| La Crosse   | \$ 62,817.00                         | 21.4%  | 152                               | 5.67%                                      | 42.8%  | 4.7%                              |   | 4                         |
| Lafayette   | \$ 65,009.00                         | 23.7%  | 7                                 | -1.46%                                     | 22.5%  | 7.9%                              |   | 6                         |
| Langlade    | \$ 53,313.00                         | 34.6%  | 8                                 | -2.13%                                     | 26.7%  | - 2.4%                            |   | 7                         |
| Lincoln     | \$ 61,363.00                         | 30.1%  | 12                                | -1.47%                                     | 31.8%  | - 3.7%                            |   | 7                         |
| Manitowoc   | \$ 61,454.00                         | 26.6%  | 56                                | 0.01%                                      | 14.8%  | - 2.2%                            |   | 6                         |
| Marathon    | \$ 67,940.00                         | 21.0%  | 46                                | 3.48%                                      | 40.5%  | 5.3%                              |   | 5                         |
| Marinette   | \$ 55,694.00                         | 33.4%  | 13                                | 0.47%                                      | 31.1%  | - 4.0%                            |   | 7                         |
| Marquette   | \$ 55,386.00                         | 32.7%  | 9                                 | 1.55%                                      | 33.9%  | 1.5%                              |   | 7                         |
| Menominee   | \$ 54,940.00                         | 39.7%  | 5                                 | 1.23%                                      | 63.5%  | - 5.9%                            |   | 5                         |
| Milwaukee   | \$ 54,793.00                         | 27.5%  | 1924                              | -0.93%                                     | 28.7%  | 1.6%                              |   | 6                         |
| Monroe      | \$ 63,061.00                         | 27.4%  | 23                                | 3.64%                                      | 36.4%  | 4.1%                              |   | 6                         |
| Oconto      | \$ 68,426.00                         | 25.8%  | 9                                 | 3.91%                                      | 37.4%  | 3.0%                              |   | 6                         |
| Oneida      | \$ 62,660.00                         | 31.1%  | 15                                | 5.21%                                      | 28.7%  | - 1.0%                            |   | 6                         |
| Outagamie   | \$ 72,695.00                         | 18.7%  | 168                               | 8.30%                                      | 41.1%  | 5.9%                              |   | 3                         |
| Ozaukee     | \$ 86,915.00                         | 12.5%  | 174                               | 6.91%                                      | 31.7%  | 6.4%                              |   | 3                         |
| Pepin       | \$ 63,015.00                         | 27.7%  | 10                                | -1.46%                                     | 35.1%  | 1.0%                              |   | 7                         |
| Pierce      | \$ 78,341.00                         | 20.0%  | 19                                | 3.16%                                      | 39.5%  | - 0.1%                            |   | 5                         |
| Polk        | \$ 67,878.00                         | 27.9%  | 18                                | 2.50%                                      | 38.2%  | 5.0%                              |   | 7                         |
| Portage     | \$ 65,550.00                         | 23.7%  | 42                                | 0.50%                                      | 37.4%  | 5.6%                              |   | 7                         |
| Price       | \$ 52,052.00                         | 36.0%  | 4                                 | -0.21%                                     | 13.0%  | - 8.4%                            |   | 7                         |
| Racine      | \$ 67,224.00                         | 24.1%  | 222                               | 1.41%                                      | 27.4%  | 1.3%                              |   | 6                         |
| Richland    | \$ 56,089.00                         | 30.2%  | 10                                | -4.22%                                     | 29.5%  | - 3.7%                            |   | 7                         |
| Rock        | \$ 65,518.00                         | 25.3%  | 93                                | 3.02%                                      | 42.3%  | 9.8%                              |   | 5                         |
| Rusk        | \$ 51,978.00                         | 33.4%  | 5                                 | -3.61%                                     | 49.2%  | - 1.7%                            |   | 7                         |
| St. Croix   | \$ 91,320.00                         | 15.8%  | 43                                | 13.45%                                     | 56.5%  | 16.8%                             |   | 1                         |
| Sauk        | \$ 67,702.00                         | 21.0%  | 29                                | 7.26%                                      | 67.3%  | - 3.5%                            |   | 3                         |
| Sawyer      | \$ 53,011.00                         | 34.6%  | 8                                 | 8.61%                                      | 31.7%  | - 1.9%                            |   | 6                         |
| Shawano     | \$ 59,767.00                         | 29.0%  | 24                                | -1.74%                                     | 32.0%  | - 1.6%                            |   | 7                         |
| Sheboygan   | \$ 65,352.00                         | 21.4%  | 83                                | 2.79%                                      | 35.1%  | 4.9%                              |   | 5                         |
| Taylor      | \$ 56,350.00                         | 27.1%  | 8                                 | -3.48%                                     | 33.4%  | 0.6%                              |   | 7                         |
| Trempealeau | \$ 64,336.00                         | 27.4%  | 17                                | 6.55%                                      | 28.3%  | - 6.4%                            |   | 6                         |
| Vernon      | \$ 57,933.00                         | 28.0%  | 11                                | 3.68%                                      | 33.9%  | 1.1%                              |   | 6                         |
| Vilas       | \$ 56,837.00                         | 32.1%  | 10                                | 7.70%                                      | 45.6%  | 8.2%                              |   | 5                         |
| Walworth    | \$ 69,382.00                         | 20.6%  | 78                                | 3.51%                                      | 48.2%  | 9.8%                              |   | 2                         |

|            | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011-2021 <sup>5</sup> (2points) | Job Growth 2011-2021 <sup>6</sup> | Capital Costs as a % of Payroll <sup>7</sup> (2 points) | Secondary Indicator Score |
|------------|--------------------------------------|--|-----------------------------------|--|--|-----------------------------------|---|---------------------------|
| Washburn   | \$ 54,550.00                         | 35.6%  | 7                                 | 4.70%                                      | 34.0%  | 0.2%                              |   | 6                         |
| Washington | \$ 85,574.00                         | 17.7%  | 133                               | 4.34%                                      | 35.1%  | 11.0%                             |   | 2                         |
| Waukesha   | \$ 94,310.00                         | 14.2%  | 446                               | 5.08%                                      | 38.9%  | 8.3%                              |   | 2                         |
| Waupaca    | \$ 65,070.00                         | 29.3%  | 25                                | -0.14%                                     | 24.7%  | - 6.7%                            |   | 7                         |
| Waushara   | \$ 57,224.00                         | 31.9%  | 10                                | -0.06%                                     | 24.0%  | 3.4%                              |   | 7                         |
| Winnebago  | \$ 63,938.00                         | 21.5%  | 214                               | 2.89%                                      | 34.7%  | 3.0%                              |   | 5                         |
| Wood       | \$ 57,996.00                         | 28.2%  | 46                                | -0.52%                                     | 23.8%  | - 3.3%                            |   | 7                         |
| Threshold  | US= \$69,021                         | U.S. = 21.7%   | WI =51.7                          | 1/2 U.S = 3.2%                             | U.S = 49.4%  | 1/2 U.S = 7.1%                    |   |                           |

<sup>1</sup> U.S. Dept. of Commerce, Census Bureau, American Community Survey 2016-2021; Table B19013 Inflation-Adjusted Median Household Income.

<sup>2</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>3</sup> Jobs from WI DWD Quarterly Census of Employment and Wages; land area from U.S. Census Bureau, County Quick Facts.

<sup>4</sup> WI DOA Demographic Services Center; [www.doa.state.wi.us/demographics](http://www.doa.state.wi.us/demographics).

<sup>5</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>6</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>7</sup> Wage values from U.S. Dept. of Commerce, Census Bureau; County Business Patterns.

Thresholds provided by the University of Massachusetts Donahue Institute.



## Appendix G. Secondary Indicator Scores for NCCW and Industrial Discharges in the “Other” Category

Last Revised: August 2023

The following table provides the secondary indicator score for facilities considered to be NCCW or “other” as described in the Final Economic Determination. Please refer to Section 5 of that report for details on each economic metric, why it was selected, and how the scoring process worked. All shaded cells in this table indicate that the cell value exceeds the indicator threshold, and contributes to the secondary indicator value. The total secondary indicator value in the last column of this table provides the secondary indicator total, which is the value used to determine eligibility for the MDV.

Table 6. Secondary Indicators for NCCW and Industrial Discharges in the “Other” Category

|             | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011-2021 <sup>5</sup> (2points) | Job Growth 2011-2021 <sup>6</sup> | Secondary Indicator Score |
|-------------|--------------------------------------|--|-----------------------------------|--|--|-----------------------------------|---------------------------|
| Adams       | \$ 51,878.00                         | 38.2%  | 6                                 | 0.19%                                      | 28.7%  | - 0.3%                            | 7                         |
| Ashland     | \$ 55,070.00                         | 36.3%  | 8                                 | -0.78%                                     | 25.7%  | - 5.6%                            | 7                         |
| Barron      | \$ 55,256.00                         | 27.5%  | 25                                | 2.16%                                      | 30.0%  | 1.5%                              | 7                         |
| Bayfield    | \$ 62,859.00                         | 30.8%  | 3                                 | 7.59%                                      | 32.5%  | 4.1%                              | 6                         |
| Brown       | \$ 68,799.00                         | 19.2%  | 294                               | 9.14%                                      | 37.8%  | 7.5%                              | 3                         |
| Buffalo     | \$ 61,167.00                         | 27.5%  | 6                                 | -2.55%                                     | 26.9%  | - 9.6%                            | 7                         |
| Burnett     | \$ 55,890.00                         | 36.4%  | 6                                 | 7.30%                                      | 32.7%  | 2.2%                              | 6                         |
| Calumet     | \$ 78,453.00                         | 17.0%  | 50                                | 11.86%                                     | 39.2%  | 28.3%                             | 3                         |
| Chippewa    | \$ 63,172.00                         | 24.9%  | 25                                | 6.86%                                      | 38.5%  | 13.5%                             | 5                         |
| Clark       | \$ 57,547.00                         | 26.1%  | 9                                 | 0.27%                                      | 47.5%  | 7.5%                              | 6                         |
| Columbia    | \$ 73,786.00                         | 20.6%  | 29                                | 3.15%                                      | 39.3%  | 7.2%                              | 4                         |
| Crawford    | \$ 54,526.00                         | 32.0%  | 12                                | -3.06%                                     | 28.6%  | - 7.6%                            | 7                         |
| Dane        | \$ 78,452.00                         | 14.0%  | 291                               | 18.43%                                     | 62.7%  | 14.4%                             | 0                         |
| Dodge       | \$ 66,403.00                         | 23.9%  | 41                                | 0.15%                                      | 26.7%  | 4.6%                              | 7                         |
| Door        | \$ 63,856.00                         | 24.1%  | 31                                | 8.83%                                      | 41.7%  | 5.8%                              | 6                         |
| Douglas     | \$ 59,688.00                         | 31.5%  | 13                                | 0.81%                                      | 32.6%  | 2.7%                              | 7                         |
| Dunn        | \$ 64,420.00                         | 25.9%  | 21                                | 3.65%                                      | 30.9%  | 5.4%                              | 6                         |
| Eau Claire  | \$ 64,777.00                         | 22.0%  | 91                                | 8.82%                                      | 33.2%  | 3.0%                              | 5                         |
| Florence    | \$ 52,143.00                         | 26.4%  | 2                                 | 4.98%                                      | 44.3%  | 2.2%                              | 6                         |
| Fond du Lac | \$ 66,390.00                         | 23.2%  | 65                                | 2.16%                                      | 38.8%  | 4.6%                              | 6                         |
| Forest      | \$ 51,959.00                         | 37.8%  | 3                                 | -0.08%                                     | 29.8%  | - 5.1%                            | 7                         |
| Grant       | \$ 58,289.00                         | 24.4%  | 15                                | -0.52%                                     | 40.4%  | 1.6%                              | 7                         |
| Green       | \$ 70,267.00                         | 20.9%  | 26                                | 1.58%                                      | 32.3%  | 2.6%                              | 5                         |
| Green Lake  | \$ 60,597.00                         | 29.0%  | 17                                | -0.08%                                     | 12.9%  | -10.5%                            | 7                         |
| Iowa        | \$ 73,716.00                         | 21.1%  | 14                                | 0.89%                                      | 36.3%  | 0.2%                              | 5                         |
| Iron        | \$ 48,908.00                         | 35.5%  | 2                                 | 4.83%                                      | 29.5%  | - 1.8%                            | 6                         |

|             | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011-2021 <sup>5</sup> (2points) | Job Growth 2011-2021 <sup>6</sup> | Secondary Indicator Score |
|-------------|--------------------------------------|--|-----------------------------------|--|--|-----------------------------------|---------------------------|
| Jackson     | \$ 59,422.00                         | 28.0%  | 8                                 | 2.90%                                      | 17.6%  | - 7.0%                            | 7                         |
| Jefferson   | \$ 71,735.00                         | 23.0%  | 62                                | 3.24%                                      | 35.1%  | 3.7%                              | 5                         |
| Juneau      | \$ 58,561.00                         | 32.5%  | 12                                | -0.11%                                     | 25.6%  | 0.3%                              | 7                         |
| Kenosha     | \$ 70,073.00                         | 21.9%  | 263                               | 2.07%                                      | 48.0%  | 29.1%                             | 4                         |
| Kewaunee    | \$ 72,328.00                         | 23.4%  | 19                                | -0.08%                                     | 25.2%  | - 9.3%                            | 6                         |
| La Crosse   | \$ 62,817.00                         | 21.4%  | 152                               | 5.67%                                      | 42.8%  | 4.7%                              | 4                         |
| Lafayette   | \$ 65,009.00                         | 23.7%  | 7                                 | -1.46%                                     | 22.5%  | 7.9%                              | 6                         |
| Langlade    | \$ 53,313.00                         | 34.6%  | 8                                 | -2.13%                                     | 26.7%  | - 2.4%                            | 7                         |
| Lincoln     | \$ 61,363.00                         | 30.1%  | 12                                | -1.47%                                     | 31.8%  | - 3.7%                            | 7                         |
| Manitowoc   | \$ 61,454.00                         | 26.6%  | 56                                | 0.01%                                      | 14.8%  | - 2.2%                            | 6                         |
| Marathon    | \$ 67,940.00                         | 21.0%  | 46                                | 3.48%                                      | 40.5%  | 5.3%                              | 5                         |
| Marinette   | \$ 55,694.00                         | 33.4%  | 13                                | 0.47%                                      | 31.1%  | - 4.0%                            | 7                         |
| Marquette   | \$ 55,386.00                         | 32.7%  | 9                                 | 1.55%                                      | 33.9%  | 1.5%                              | 7                         |
| Menominee   | \$ 54,940.00                         | 39.7%  | 5                                 | 1.23%                                      | 63.5%  | - 5.9%                            | 5                         |
| Milwaukee   | \$ 54,793.00                         | 27.5%  | 1924                              | -0.93%                                     | 28.7%  | 1.6%                              | 6                         |
| Monroe      | \$ 63,061.00                         | 27.4%  | 23                                | 3.64%                                      | 36.4%  | 4.1%                              | 6                         |
| Oconto      | \$ 68,426.00                         | 25.8%  | 9                                 | 3.91%                                      | 37.4%  | 3.0%                              | 6                         |
| Oneida      | \$ 62,660.00                         | 31.1%  | 15                                | 5.21%                                      | 28.7%  | - 1.0%                            | 6                         |
| Outagamie   | \$ 72,695.00                         | 18.7%  | 168                               | 8.30%                                      | 41.1%  | 5.9%                              | 3                         |
| Ozaukee     | \$ 86,915.00                         | 12.5%  | 174                               | 6.91%                                      | 31.7%  | 6.4%                              | 3                         |
| Pepin       | \$ 63,015.00                         | 27.7%  | 10                                | -1.46%                                     | 35.1%  | 1.0%                              | 7                         |
| Pierce      | \$ 78,341.00                         | 20.0%  | 19                                | 3.16%                                      | 39.5%  | - 0.1%                            | 5                         |
| Polk        | \$ 67,878.00                         | 27.9%  | 18                                | 2.50%                                      | 38.2%  | 5.0%                              | 7                         |
| Portage     | \$ 65,550.00                         | 23.7%  | 42                                | 0.50%                                      | 37.4%  | 5.6%                              | 7                         |
| Price       | \$ 52,052.00                         | 36.0%  | 4                                 | -0.21%                                     | 13.0%  | - 8.4%                            | 7                         |
| Racine      | \$ 67,224.00                         | 24.1%  | 222                               | 1.41%                                      | 27.4%  | 1.3%                              | 6                         |
| Richland    | \$ 56,089.00                         | 30.2%  | 10                                | -4.22%                                     | 29.5%  | - 3.7%                            | 7                         |
| Rock        | \$ 65,518.00                         | 25.3%  | 93                                | 3.02%                                      | 42.3%  | 9.8%                              | 5                         |
| Rusk        | \$ 51,978.00                         | 33.4%  | 5                                 | -3.61%                                     | 49.2%  | - 1.7%                            | 7                         |
| St. Croix   | \$ 91,320.00                         | 15.8%  | 43                                | 13.45%                                     | 56.5%  | 16.8%                             | 1                         |
| Sauk        | \$ 67,702.00                         | 21.0%  | 29                                | 7.26%                                      | 67.3%  | - 3.5%                            | 3                         |
| Sawyer      | \$ 53,011.00                         | 34.6%  | 8                                 | 8.61%                                      | 31.7%  | - 1.9%                            | 6                         |
| Shawano     | \$ 59,767.00                         | 29.0%  | 24                                | -1.74%                                     | 32.0%  | - 1.6%                            | 7                         |
| Sheboygan   | \$ 65,352.00                         | 21.4%  | 83                                | 2.79%                                      | 35.1%  | 4.9%                              | 5                         |
| Taylor      | \$ 56,350.00                         | 27.1%  | 8                                 | -3.48%                                     | 33.4%  | 0.6%                              | 7                         |
| Trempealeau | \$ 64,336.00                         | 27.4%  | 17                                | 6.55%                                      | 28.3%  | - 6.4%                            | 6                         |
| Vernon      | \$ 57,933.00                         | 28.0%  | 11                                | 3.68%                                      | 33.9%  | 1.1%                              | 6                         |
| Vilas       | \$ 56,837.00                         | 32.1%  | 10                                | 7.70%                                      | 45.6%  | 8.2%                              | 5                         |

|            | Median Household Income <sup>1</sup> | Personal Current Transfer Receipts Share of Total Income 2021 <sup>2</sup> | Jobs per Square Mile <sup>3</sup> | Population Change 2011 - 2021 <sup>4</sup> | Net Earnings Change 2011-2021 <sup>5</sup> (2points) | Job Growth 2011-2021 <sup>6</sup> | Secondary Indicator Score |
|------------|--------------------------------------|--|-----------------------------------|--|--|-----------------------------------|---------------------------|
| Walworth   | \$ 69,382.00                         | 20.6%  | 78                                | 3.51%                                      | 48.2%  | 9.8%                              | 2                         |
| Washburn   | \$ 54,550.00                         | 35.6%  | 7                                 | 4.70%                                      | 34.0%  | 0.2%                              | 6                         |
| Washington | \$ 85,574.00                         | 17.7%  | 133                               | 4.34%                                      | 35.1%  | 11.0%                             | 2                         |
| Waukesha   | \$ 94,310.00                         | 14.2%  | 446                               | 5.08%                                      | 38.9%  | 8.3%                              | 2                         |
| Waupaca    | \$ 65,070.00                         | 29.3%  | 25                                | -0.14%                                     | 24.7%  | - 6.7%                            | 7                         |
| Waushara   | \$ 57,224.00                         | 31.9%  | 10                                | -0.06%                                     | 24.0%  | 3.4%                              | 7                         |
| Winnebago  | \$ 63,938.00                         | 21.5%  | 214                               | 2.89%                                      | 34.7%  | 3.0%                              | 5                         |
| Wood       | \$ 57,996.00                         | 28.2%  | 46                                | -0.52%                                     | 23.8%  | - 3.3%                            | 7                         |
| Threshold  | US= \$69,021                         | U.S. = 21.7%   | WI =51.7                          | 1/2 U.S = 3.2%                             | U.S = 49.4%  | 1/2 U.S = 7.1%                    |                           |

<sup>1</sup> U.S. Dept. of Commerce, Census Bureau, American Community Survey 2016-2021; Table B19013 Inflation-Adjusted Median Household Income.

<sup>2</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>3</sup> Jobs from WI DWD Quarterly Census of Employment and Wages; land area from U.S. Census Bureau, County Quick Facts.

<sup>4</sup> WI DOA Demographic Services Center; [www.doa.state.wi.us/demographics](http://www.doa.state.wi.us/demographics).

<sup>5</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

<sup>6</sup> U.S. Dept. of Commerce, Bureau of Economic Analysis, Personal Income Summary Table CAINC4; <http://www.bea.gov/>.

# Appendix H: MDV Implemented Practice Totals - Approved Reports

| Total MDV Projects | MDV Plans | Types of Practices | Participating Counties | Subwatersheds | Total Phosphorus Reduction (lbs/yr) | Total Nitrogen Reduction (lbs/yr) | Total Sediment Reduction (tons/yr) | Total Cost of BMPs | Total MDV Funds Used |
|--------------------|-----------|--------------------|------------------------|---------------|-------------------------------------|-----------------------------------|------------------------------------|--------------------|----------------------|
| 57                 | 61        | 22                 | 32                     | 66            | 30,967                              | 19,310                            | 15,403                             | \$2,178,769.09     | \$1,089,856.17       |

## MDV Implemented Practice Details

| Project Name                 | HUC 8                          | BMP Type                                      | County      | HUC 12 Name  | Latitude | Longitude  | Date Installed | Quantity | Units | Phosphorus Reduction (lbs/yr) | Nitrogen Reduction (lbs/yr) | Sediment Reduction (tons/yr) | BMP Total Cost | MDV Funds Used |
|------------------------------|--------------------------------|---|-------------|--|----------|------------|----------------|----------|-------|-------------------------------|-----------------------------|------------------------------|----------------|----------------|
| 2020 Manitowoc MDV           | Manitowoc-Sheboygan [04030101] | Cover Crop                                    | Fond du Lac | Headwaters South Branch Manitowoc River [040301010401] | 43.89491 | -88.274758 | 9/15/2021      | 74.4     | ACRES | 143                           |                             |                              | \$6,557.61     | \$3,278.82     |
| Barron County MDV 2021       | Red Cedar [07050007]           | Critical Area Stabilization                   | Barron      | Quaderer Creek [070500070204]                          | 45.35193 | -91.918937 | 5/11/2022      | 0.9      | ACRES | 11                            |                             | 7.5                          | \$458.00       | \$458.00       |
|                              |                                | Critical Area Stabilization                   | Barron      | Quaderer Creek [070500070204]                          | 45.35205 | -91.927037 | 5/11/2022      | 1.6      | ACRES | 18                            |                             | 7.5                          | \$808.00       | \$808.00       |
|                              |                                | Critical Area Stabilization                   | Barron      | Lightning Creek [070500070601]                         | 45.46639 | -92.02651  | 5/11/2022      | 0.7      | ACRES | 3                             |                             | 5.5                          | \$358.00       | \$358.00       |
|                              |                                | Critical Area Stabilization                   | Barron      | Lightning Creek [070500070601]                         | 45.4677  | -92.032585 | 5/11/2022      | 0.9      | ACRES | 3                             |                             | 5.5                          | \$458.00       | \$458.00       |
|                              |                                | Critical Area Stabilization                   | Barron      | Foumle Creek [070500070205]                            | 45.35527 | -91.844503 | 6/28/2022      | 2.3      | ACRES | 12                            |                             | 5.3                          | \$1,158.00     | \$1,158.00     |
|                              |                                | Critical Area Stabilization                   | Barron      | Foumle Creek [070500070205]                            | 45.35865 | -91.844304 | 6/28/2022      | 1.6      | ACRES | 7                             |                             | 7.4                          | \$808.00       | \$808.00       |
| Bells Udder - Stream Project | Castle Rock [07070003]         | Streambank/Shoreline Protection - Rip-rapping | Juneau      | Fountain Creek-Little Lemonweir River [070700031604]   | 43.88736 | -90.267312 | 10/29/2021     | 1435     | FEET  | 187                           |                             |                              | \$78,200.00    | \$26,253.00    |
| Brown County MDV 2020        | Lower Fox [04030204]           | Cover Crop                                    | Brown       | Lower East River [040302040304]                        | 44.38443 | -88.048531 | 11/5/2021      | 10.57    | ACRES | 21.4                          |                             | 4.7                          | \$560.21       | \$560.21       |
|                              |                                | Cover Crop                                    | Brown       | Lower East River [040302040304]                        | 44.38443 | -88.048531 | 11/5/2021      | 40.9     | ACRES | 130.2                         |                             | 25.8                         | \$1,554.00     | \$1,554.00     |
|                              |                                | Cover Crop                                    | Brown       | City of Green Bay-Fox River [040302040405]             | 44.35261 | -88.139983 | 11/22/2021     | 30.7     | ACRES | 82.4                          |                             | 10.9                         | \$706.10       | \$706.10       |
|                              |                                | Cover Crop                                    | Brown       | City of Green Bay-Fox River [040302040405]             | 44.35261 | -88.139983 | 11/22/2021     | 4.4      | ACRES | 11.2                          |                             | 0.8                          | \$101.20       | \$101.20       |
|                              |                                | Cover Crop                                    | Brown       | City of Green Bay-Fox River [040302040405]             | 44.35261 | -88.139983 | 11/22/2021     | 51.5     | ACRES | 125.7                         |                             | 9.3                          | \$1,184.50     | \$1,184.50     |
|                              |                                | Cover Crop                                    | Brown       | City of Green Bay-Fox River [040302040405]             | 44.35261 | -88.139983 | 11/22/2021     | 8.3      | ACRES | 22.3                          |                             | 1.5                          | \$190.90       | \$190.90       |
|                              |                                | Cover Crop                                    | Brown       | City of Green Bay-Fox River [040302040405]             | 44.35261 | -88.139983 | 11/22/2021     | 51       | ACRES | 115.7                         |                             | 9.2                          | \$1,173.00     | \$1,173.00     |
| Brown County MDV 2021        | Lower Fox [04030204]           | Cover Crop                                    | Brown       | Lower East River [040302040304]                        | 44.38494 | -88.048567 | 8/15/2021      | 11.83    | ACRES | 15.7                          | 0                           | 3.2                          | \$627.38       | \$627.38       |
|                              |                                | Residue Management                            | Brown       | Lower East River [040302040304]                        | 44.38791 | -88.06804  | 5/22/2022      | 40.9     | ACRES | 67.1                          | 0                           | 12.5                         | \$919.64       | \$919.64       |
|                              |                                | Residue Management                            | Brown       | Lower East River [040302040304]                        | 44.39159 | -88.046938 | 5/22/2022      | 7.2      | ACRES | 2.9                           | 0                           | 0.2                          | \$176.40       | \$176.40       |
|                              |                                | Residue Management                            | Brown       | Upper East River [040302040301]                        | 44.24395 | -88.060012 | 5/28/2022      | 33.9     | ACRES | 74.3                          | 0                           | 3.7                          | \$627.38       | \$627.38       |
| Brown County MDV 2022        | Lower Fox [04030204]           | Cover Crop                                    | Brown       | Upper East River [040302040301]                        | 44.25718 | -88.067813 | 8/10/2022      | 31.6     | ACRES | 37                            | 0                           | 0                            | \$1,674.80     | \$1,674.80     |
|                              |                                | Cover Crop                                    | Brown       | Upper East River [040302040301]                        | 44.32632 | -88.129131 | 8/12/2022      | 28.5     | ACRES | 33                            | 0                           | 0                            | \$1,510.50     | \$1,510.50     |

|                            |                                |                                 |          |  |          |            |            |       |       |       |        |       |             |             |
|----------------------------|--------------------------------|---------------------------------|----------|--|----------|------------|------------|-------|-------|-------|--------|-------|-------------|-------------|
|                            |                                | Cover Crop                      | Brown    | City of Green Bay-Fox River [040302040405] | 44.33339 | -88.138767 | 8/12/2022  | 28.6  | ACRES | 32    | 0      | 0     | \$1,515.80  | \$1,515.80  |
|                            |                                | Cover Crop                      | Brown    | Lower East River [040302040304]            | 44.34939 | -88.094108 | 8/12/2022  | 27.2  | ACRES | 26    | 0      | 0     | \$1,441.60  | \$1,441.60  |
|                            |                                | Cover Crop                      | Brown    | Lower East River [040302040304]            | 44.3395  | -88.108791 | 8/12/2022  | 3.5   | ACRES | 14    | 0      | 0     | \$185.50    | \$185.50    |
|                            |                                | Cover Crop                      | Brown    | Lower East River [040302040304]            | 44.34064 | -88.104362 | 8/12/2022  | 66.1  | ACRES | 80    | 0      | 0     | \$3,503.30  | \$3,503.30  |
|                            |                                | Cover Crop                      | Brown    | Upper East River [040302040301]            | 44.32905 | -88.128058 | 8/13/2022  | 20.2  | ACRES | 79    | 0      | 0     | \$1,070.60  | \$1,070.60  |
|                            |                                | Cover Crop                      | Brown    | Upper East River [040302040301]            | 44.33098 | -88.124062 | 8/13/2022  | 15    | ACRES | 68    | 0      | 0     | \$795.00    | \$795.00    |
|                            |                                | Cover Crop                      | Brown    | Upper East River [040302040301]            | 44.32891 | -88.124115 | 8/13/2022  | 5.3   | ACRES | 5     | 0      | 0     | \$280.90    | \$280.90    |
|                            |                                | Cover Crop                      | Brown    | Upper East River [040302040301]            | 44.26071 | -88.097868 | 9/20/2022  | 51.3  | ACRES | 83    | 0      | 0     | \$1,693.89  | \$1,693.89  |
|                            |                                | Cover Crop                      | Brown    | Upper East River [040302040301]            | 44.26087 | -88.093357 | 9/20/2022  | 66.7  | ACRES | 51    | 0      | 0     | \$2,201.10  | \$2,088.03  |
|                            |                                | Cover Crop                      | Brown    | Upper East River [040302040301]            | 44.24498 | -88.056809 | 9/29/2022  | 153.5 | ACRES | 320   | 0      | 0     | \$5,065.50  | \$5,065.50  |
|                            |                                | Cover Crop                      | Brown    | Upper East River [040302040301]            | 44.25066 | -88.055363 | 9/29/2022  | 71.9  | ACRES | 177   | 0      | 0     | \$2,372.70  | \$2,372.70  |
|                            |                                | Cover Crop                      | Calumet  | Upper East River [040302040301]            | 44.24043 | -88.095174 | 9/5/2022   | 5.2   | ACRES | 9     | 0      | 0     | \$171.60    | \$171.60    |
|                            |                                | Cover Crop                      | Calumet  | Upper East River [040302040301]            | 44.23524 | -88.04908  | 9/28/2022  | 86    | ACRES | 97    | 0      | 0     | \$2,838.00  | \$2,838.00  |
|                            |                                | Cover Crop                      | Calumet  | Upper East River [040302040301]            | 44.24045 | -88.092649 | 9/28/2022  | 9.5   | ACRES | 12    | 0      | 0     | \$313.50    | \$313.50    |
| Buffalo-Whitewater Project | Buffalo-Whitewater [07040003]  | Manure Storage Systems          | Buffalo  | South Fork of Elk Creek [070400030201]     | 44.47174 | -91.643941 | 6/3/2022   | 1     | NO.   | 53.6  | 290.34 | 0     | \$25,488.40 | \$25,488.40 |
| Calumet MDV 2019           | Lake Winnebago [04030203]      | Critical Area Stabilization     | Calumet  | Pipe Creek-Lake Winnebago [040302030303]   | 43.94175 | -88.300523 | 6/10/2021  | 0.21  | ACRES | 17.7  | 45.9   | 25    | \$4,573.50  | \$3,201.45  |
|                            |                                | Water & Sediment Control Basins | Calumet  | Pipe Creek-Lake Winnebago [040302030303]   | 44.05708 | -88.282778 | 10/26/2020 | 1     | NO.   | 35.6  | 92.5   | 50.3  | \$14,825.00 | \$10,377.50 |
|                            |                                | Waterway Systems                | Calumet  | Pipe Creek-Lake Winnebago [040302030303]   | 44.02301 | -88.314879 | 10/21/2020 | 2.2   | ACRES | 171.2 | 444.7  | 241.7 | \$30,000.00 | \$21,000.00 |
|                            |                                | Waterway Systems                | Calumet  | Pipe Creek-Lake Winnebago [040302030303]   | 44.05708 | -88.282778 | 10/26/2020 | .6    | ACRES | 27.3  | 71     | 38.6  | \$7,500.00  | \$5,250.00  |
|                            |                                | Waterway Systems                | Calumet  | Pipe Creek-Lake Winnebago [040302030303]   | 43.94177 | -88.300466 | 6/10/2021  | 0.23  | ACRES | 9.5   | 24.7   | 13.4  | \$4,573.50  | \$3,201.45  |
| Calumet MDV 2020           | Manitowoc-Sheboygan [04030101] | Waterway Systems                | Calumet  | Spring Creek [040301010302]                | 44.15909 | -88.047713 | 10/21/2021 | 0.64  | ACRES | 10.3  | 26.7   | 14.5  | \$15,734.78 | \$9,814.29  |
|                            | Lake Winnebago [04030203]      | Waterway Systems                | Calumet  | Pipe Creek-Lake Winnebago [040302030303]   | 44.05783 | -88.287703 | 8/3/2021   | 0.65  | ACRES | 55.1  | 143.2  | 77.8  | \$11,968.72 | \$8,378.10  |
|                            |                                | Waterway Systems                | Calumet  | Pipe Creek-Lake Winnebago [040302030303]   | 44.06316 | -88.282212 | 10/5/2021  | 0.96  | ACRES | 29.9  | 77.6   | 42.2  | \$10,580.30 | \$7,406.21  |
| Chippewa County LCFM       | Lower Chippewa [07050005]      | Cover Crop                      | Chippewa | Middle Duncan Creek [070500050403]         | 45.07082 | -91.463592 | 10/15/2022 | 50    | ACRES | 20    |        |       | \$3,496.37  | \$3,496.37  |
| Chippewa County LCFM 2020  | Lower Chippewa [07050005]      | Cover Crop                      | Chippewa | Beaver Creek-Chippewa River [070500050502] | 44.89733 | -91.431416 | 10/15/2022 | 87    | ACRES | 35    |        |       | \$6,094.58  | \$6,094.58  |

|                                      |                                  |   |             |  |          |            |            |       |       |        |       |        |             |             |
|--------------------------------------|----------------------------------|---|-------------|--|----------|------------|------------|-------|-------|--------|-------|--------|-------------|-------------|
|                                      |                                  | Cover Crop  | Chippewa    | Hay Creek-Eau Claire River<br>[070500060303]                   | 44.97218 | -91.043646 | 10/15/2022 | 27    | ACRES | 10.8   |       |        | \$1,921.67  | \$1,921.67  |
|                                      |                                  | Cover Crop  | Chippewa    | Jim Creek-O'Neil Creek<br>[070500050107]                       | 45.06661 | -91.402921 | 10/15/2022 | 50    | ACRES | 20     |       |        | \$3,503.63  | \$3,503.63  |
|                                      |                                  | Cover Crop  | Chippewa    | Popple Creek-Red Cedar River<br>[070500070707]                 | 45.14795 | -91.629521 | 10/15/2022 | 4.8   | ACRES | 1.92   |       |        | \$340.14    | \$340.14    |
|                                      |                                  | Cover Crop  | Chippewa    | Big Drywood Creek<br>[070500050304]                            | 45.01113 | -91.125427 | 10/15/2022 | 1     | ACRES | 0.4    |       |        | \$23.02     | \$23.02     |
| Chippewa County MDV 2021             | Eau Claire<br>[07050006]         | Cover Crop  | Chippewa    | Hay Creek-Eau Claire River<br>[070500060303]                   | 44.97269 | -91.043788 | 10/12/2022 | 20    | ACRES | 8      |       |        | \$1,388.01  | \$1,388.01  |
|                                      | Red Cedar<br>[07050007]          | Cover Crop  | Chippewa    | Popple Creek-Red Cedar River<br>[070500070707]                 | 45.14761 | -91.629778 | 10/15/2022 | 28    | ACRES | 11.2   |       |        | \$2,000.43  | \$2,000.43  |
| Chippewa County MDV 2021b            | Lower Chippewa<br>[07050005]     | Cover Crop  | Chippewa    | Big Drywood Creek<br>[070500050304]                            | 45.00487 | -91.124986 | 10/15/2022 | 27    | ACRES | 10.8   |       |        | \$1,938.60  | \$1,938.60  |
| Daryl Tjerstad 580 & 575             | Black<br>[07040007]              | Animal Trails & Walkways                            | Trempealeau | North Fork of Beaver Creek<br>[070400071102]                   | 44.21205 | -91.163059 | 9/14/2021  | 430   | FEET  | 27     |       | 19.6   | \$11,915.02 | \$10,723.50 |
|                                      |                                  | Streambank/Shoreline Protection - Rip-rapping       | Trempealeau | North Fork of Beaver Creek<br>[070400071102]                   | 44.21205 | -91.163059 | 9/10/2021  | 58    | FEET  | 27     |       | 19.6   | \$4,417.33  | \$3,975.60  |
| Door County MDV 2020                 | Door-Kewaunee<br>[04030102]      | Manure Storage System Closure                       | Door        | Ahnapee River<br>[040301020204]                                | 44.7066  | -87.488408 | 6/15/2021  | 1     | NO.   |        |       |        | \$8,784.89  | \$0.00      |
|                                      |                                  | Waterway Systems                                    | Door        | Ahnapee River<br>[040301020204]                                | 44.70078 | -87.490957 | 6/22/2021  | 2.15  | ACRES | 184.2  | 570.1 | 278.6  | \$17,156.49 | \$11,788.55 |
| Eau Claire 2020 MDV                  | Eau Claire<br>[07050006]         | Waterway Systems                                    | Eau Claire  | Bears Grass Creek<br>[070500060503]                            | 44.69425 | -91.18568  | 8/3/2021   | 3     | ACRES | 439    |       | 439    | \$19,460.00 | \$9,145.41  |
| Eau Claire 2021 MDV                  | Buffalo-Whitewater<br>[07040003] | Waterway Systems                                    | Eau Claire  | Peeso Creek<br>[070400030106]                                  | 44.60331 | -91.593357 | 11/18/2021 | 3     | ACRES | 426.9  |       | 426.9  | \$11,800.00 | \$4,757.48  |
| FdL Rock River                       | Upper Rock<br>[07090001]         | Water & Sediment Control Basins                     | Fond du Lac | West Branch Rock River-Frontal Horicon Marsh<br>[070900010206] | 43.63803 | -88.596552 | 10/28/2021 | 1     | NO.   | 6.9    |       | 4.6    | \$32,981.48 | \$11,477.56 |
| Fond du Lac Pipe Creek Watershed     | Lake Winnebago<br>[04030203]     | Residue Management                                  | Fond du Lac | Pipe Creek-Lake Winnebago<br>[040302030303]                    | 43.92341 | -88.276923 | 11/1/2021  | 199.5 | ACRES | 193.5  |       | 43.9   | \$7,980.00  | \$3,990.00  |
| Fond du Lac Pipe Creek Watershed MDV | Lake Winnebago<br>[04030203]     | Manure Storage System Closure                       | Fond du Lac | Pipe Creek-Lake Winnebago<br>[040302030303]                    | 43.92527 | -88.310426 | 6/1/2020   | 1     | NO.   |        |       |        | \$13,500.00 | \$9,450.00  |
|                                      |                                  | Manure Storage System Closure                       | Fond du Lac | Taycheedah Creek<br>[040302030302]                             | 43.88686 | -88.325469 | 7/31/2020  | 1     | NO.   |        |       |        | \$13,557.50 | \$9,490.25  |
|                                      |                                  | Streambank/Shoreline Protection - Shaping & Seeding | Fond du Lac | Pipe Creek-Lake Winnebago<br>[040302030303]                    | 43.92527 | -88.310426 | 8/21/2020  | 520   | FEET  | 69     |       | 43.2   | \$18,946.26 | \$9,088.38  |
|                                      |                                  | Streambank/Shoreline Protection - Shaping & Seeding | Fond du Lac | Pipe Creek-Lake Winnebago<br>[040302030303]                    | 43.89552 | -88.303832 | 12/21/2020 | 1862  | FEET  | 346.25 |       | 228.09 | \$35,500.00 | \$24,849.83 |
|                                      |                                  | Streambank/Shoreline Protection - Shaping & Seeding | Fond du Lac | Taycheedah Creek<br>[040302030302]                             | 43.88686 | -88.325469 | 12/21/2020 | 3254  | FEET  | 197.3  |       | 130    | \$8,190.00  | \$5,733.00  |
|                                      |                                  | Water & Sediment Control Basins                     | Fond du Lac | Pipe Creek-Lake Winnebago<br>[040302030303]                    | 43.89552 | -88.303832 | 12/21/2020 | 1     | NO.   | 34.98  |       | 10.9   | \$38,788.50 | \$27,151.95 |
|                                      |                                  | Waterway Systems                                    | Fond du Lac | Pipe Creek-Lake Winnebago<br>[040302030303]                    | 43.92527 | -88.310426 | 5/17/2020  | 1.8   | ACRES | 134    |       | 85.9   | \$14,550.00 | \$10,185.00 |

|   |                                   |  |             |  |          |            |            |      |       |      |       |       |             |             |
|---|-----------------------------------|--|-------------|--|----------|------------|------------|------|-------|------|-------|-------|-------------|-------------|
|   |                                   | Waterway Systems   | Fond du Lac | Pipe Creek-Lake Winnebago [040302030303]       | 43.89552 | -88.303832 | 10/30/2020 | 1.3  | ACRES | 47   |       |       | \$9,000.00  | \$6,300.00  |
|   |                                   | Wetland Development or Restoration   | Fond du Lac | Pipe Creek-Lake Winnebago [040302030303]       | 43.89552 | -88.303832 | 12/21/2020 | 1    | ACRES |      |       |       | \$36,615.95 | \$21,256.20 |
| Grant-Little Maquoketa                    | Grant-Little Maquoketa [07060003] | Grade Stabilization Structures   | Grant       | Platte River [070600030506]                    | 42.60576 | -90.627989 | 7/26/2021  | 1    | NO.   | 15   |       | 8.2   | \$4,893.01  | \$3,425.11  |
|   |                                   | Grade Stabilization Structures   | Grant       | Platte River [070600030506]                    | 42.60576 | -90.627989 | 7/26/2021  | 1    | NO.   | 15   |       | 8.3   | \$4,893.02  | \$3,425.11  |
| Jackson County Black River MDV 2020       | Black [07040007]                  | Animal Trails & Walkways   | Jackson     | Trout Run-Black River [070400071008]           | 44.26213 | -90.892381 | 8/20/2020  | 200  | FEET  |      |       |       | \$3,500.00  | \$2,450.00  |
|   |                                   | Barnyard Runoff Control Systems  | Jackson     | Trout Run-Black River [070400071008]           | 44.26196 | -90.892063 | 8/20/2020  | 1    | NO.   | 88   |       |       | \$76,864.01 | \$53,804.81 |
|   |                                   | Filter Strips  | Jackson     | Trout Run-Black River [070400071008]           | 44.26207 | -90.892163 | 8/20/2020  | 0.3  | ACRES |      |       |       | \$3,000.00  | \$2,100.00  |
|   |                                   | Livestock Fencing  | Jackson     | Trout Run-Black River [070400071008]           | 44.26206 | -90.892314 | 8/20/2020  | 300  | FEET  |      |       |       | \$4,500.00  | \$3,150.00  |
|   |                                   | Livestock Watering Facilities  | Jackson     | Trout Run-Black River [070400071008]           | 44.26219 | -90.892257 | 8/20/2020  | 3    | NO.   |      |       |       | \$6,300.00  | \$4,410.00  |
|   |                                   | Waterway Systems   | Jackson     | Trout Run-Black River [070400071008]           | 44.26222 | -90.892251 | 8/20/2020  | 0.25 | ACRES |      |       |       | \$1,200.00  | \$840.00    |
| Jackson County Black River MDV 2021       | Black [07040007]                  | Combo 34: Streambank/Shoreline Protection - Rip-rapping, Streambank/Shoreline Protection - Shaping & Seeding | Jackson     | Davis Creek-Black River [070400071206]         | 44.11275 | -91.084839 | 7/22/2021  | 300  | FEET  | 94.5 |       | 52.5  | \$18,861.48 | \$13,203.04 |
| Jackson County Buffalo River MDV 2021     | Buffalo-Whitewater [07040003]     | Waterway Systems   | Jackson     | South Fork of the Buffalo River [070400030102] | 44.51384 | -91.060616 | 5/20/2021  | 1    | ACRES | 65   |       | 65    | \$3,023.98  | \$864.85    |
|   |                                   | Waterway Systems   | Jackson     | South Fork of the Buffalo River [070400030102] | 44.51449 | -91.065268 | 5/20/2021  | 0.5  | ACRES | 11   |       | 11    | \$756.00    | \$529.20    |
| Jackson County Trempealeau River MDV 2020 | Trempealeau [07040005]            | Combo 34: Streambank/Shoreline Protection - Rip-rapping, Streambank/Shoreline Protection - Shaping & Seeding | Jackson     | Upper Pigeon Creek [070400050101]              | 44.46369 | -91.153369 | 8/26/2020  | 1091 | FEET  | 207  |       | 104   | \$47,841.62 | \$6,271.65  |
| Johnson Manure Storage Abandonment        | Red Cedar [07050007]              | Manure Storage System Closure  | St. Croix   | Sandy Creek-Tiffany Creek [070500070504]       | 45.10872 | -92.165584 | 12/14/2022 | 1    | NO.   | 8308 | 13848 |       | \$65,400.00 | \$2,553.69  |
| Kojis Waterway and Buffer                 | Upper Fox [07120006]              | Waterway Systems   | Racine      | Wind Lake Drainage Canal [071200060304]        | 42.74802 | -88.187308 | 4/30/2021  | 1    | ACRES | 66   | 0     | 45    | \$18,000.00 | \$13,000.00 |
| La Crosse County MDV 2021                 | Black [07040007]                  | Streambank/Shoreline Protection - Rip-rapping  | La Crosse   | Fleming Creek [070400071207]                   | 44.03315 | -91.143673 | 6/16/2021  | 500  | FEET  | 45   |       |       | \$17,411.00 | \$3,921.90  |
|   | La Crosse-Pine [07040006]         | Streambank/Shoreline Protection - Rip-rapping  | La Crosse   | Bostwick Creek [070400060401]                  | 43.81424 | -90.997588 | 9/21/2021  | 885  | FEET  | 436  |       |       | \$40,927.75 | \$6,493.69  |
| La Crosse County MDV 2022                 | Black [07040007]                  | Streambank/Shoreline Protection - Rip-rapping  | La Crosse   | Fleming Creek [070400071207]                   | 44.03222 | -91.162955 | 9/15/2022  | 820  | FEET  | 67   |       |       | \$40,053.00 | \$6,666.00  |
| Lafayette 2019 MDV                        | Apple-Plum [07060005]             | Livestock Fencing  | Lafayette   | Kelsey Branch-Galena River [070600050306]      | 42.52527 | -90.36971  | 7/20/2019  | 2497 | FEET  | 5.27 |       | 56.09 | \$5,966.25  | \$2,503.31  |

|                           |                                |   |           |   |           |            |            |      |       |      |          |         |             |             |
|---------------------------|--------------------------------|---|-----------|---|-----------|------------|------------|------|-------|------|----------|---------|-------------|-------------|
|                           |                                | Manure Storage System Closure                 | Lafayette | Wolf Creek [070900030901]                       | 42.53682  | -90.054195 | 12/27/2019 | 1    | NO.   | 560  | 2147     |         | \$40,241.60 | \$29,430.55 |
|                           |                                | Prescribed Grazing                            | Lafayette | Kelsey Branch-Galena River [070600050306]       | 42.52527  | -90.36971  | 7/20/2019  | 7.9  | ACRES | 5.27 |          | 56.09   | \$5,966.25  | \$2,503.31  |
|                           |                                | Stream Crossing                               | Lafayette | Kelsey Branch-Galena River [070600050306]       | 42.54821  | -90.378702 | 9/1/2020   | 129  | FEET  | 0.6  |          | 0.8     | \$12,050.15 | \$12,050.15 |
|                           |                                | Streambank/Shoreline Protection - Rip-rapping | Lafayette | Kelsey Branch-Galena River [070600050306]       | 42.54821  | -90.378702 | 9/1/2020   | 410  | FEET  | 34.2 |          | 45      | \$12,050.15 | \$0.00      |
| Lake Redstone             | Baraboo [07070004]             | Grade Stabilization Structures                | Juneau    | Crossman Creek [070700040202]                   | 43.70491  | -90.150498 | 9/10/2021  | 1    | NO.   | 9.94 |          |         | \$22,464.00 | \$12,988.00 |
| Manitowoc County MDV 2019 | Manitowoc-Sheboygan [04030101] | Water & Sediment Control Basins               | Manitowoc | Pine Creek-Frontal Lake Michigan [040301010702] | 44.03337  | -87.739348 | 8/11/2021  | 1    | NO.   | 17   | 34       | 20      | \$11,509.00 | \$8,056.00  |
|                           |                                | Waterway Systems                              | Manitowoc | Pine Creek-Frontal Lake Michigan [040301010702] | 44.03413  | -87.739225 | 8/11/2021  | 0.25 | ACRES | 3    | 7        | 4       | \$2,203.00  | \$1,542.00  |
|                           |                                | Waterway Systems                              | Manitowoc | Pine Creek-Frontal Lake Michigan [040301010702] | 43.99004  | -87.712746 | 9/2/2021   | 0.5  | ACRES | 15   | 29       | 17      | \$4,120.00  | \$824.00    |
| Marathon County MDV 2020  | Lake Dubay [07070002]          | Cover Crop                                    | Marathon  | Fenwood Creek [070700021602]                    | 44.89902  | -90.019484 | 7/16/2020  | 14   | ACRES | 32   | 0        | 25      | \$560.00    | \$40.00     |
|                           |                                | Cover Crop                                    | Marathon  | Fenwood Creek [070700021602]                    | 44.89893  | -90.017974 | 7/16/2020  | 19   | ACRES | 44   | 0        | 34      | \$760.00    | \$40.00     |
|                           |                                | Cover Crop                                    | Marathon  | Fenwood Creek [070700021602]                    | 44.89904  | -90.016169 | 7/16/2020  | 22   | ACRES | 51   | 0        | 40      | \$880.00    | \$40.00     |
|                           |                                | Cover Crop                                    | Marathon  | Rock Creek-Big Eau Pleine River [070700021601]  | 44.86928  | -90.047343 | 8/6/2020   | 68   | ACRES | 116  | 0        | 102     | \$1,360.00  | \$20.00     |
|                           |                                | Residue Management                            | Marathon  | Rock Creek-Big Eau Pleine River [070700021601]  | 44.86712  | -90.041525 | 6/23/2020  | 15   | ACRES | 9    | 0        | 6       | \$300.00    | \$20.00     |
|                           |                                | Residue Management                            | Marathon  | Rock Creek-Big Eau Pleine River [070700021601]  | 44.86789  | -90.042895 | 6/23/2020  | 14   | ACRES | 8    | 0        | 6       | \$280.00    | \$20.00     |
|                           |                                | Residue Management                            | Marathon  | Fenwood Creek [070700021602]                    | 44.87709  | -90.040272 | 6/23/2020  | 19   | ACRES | 11.4 | 0        | 7.6     | \$380.00    | \$20.00     |
|                           |                                | Residue Management                            | Marathon  | Fenwood Creek [070700021602]                    | 44.87144  | -90.041643 | 6/23/2020  | 39   | ACRES | 23   | 0        | 16      | \$780.00    | \$20.00     |
|                           |                                | Residue Management                            | Marathon  | Fenwood Creek [070700021602]                    | 44.87738  | -90.049255 | 6/23/2020  | 20   | ACRES | 12   | 0        | 8       | \$400.00    | \$20.00     |
|                           |                                | Residue Management                            | Marathon  | Fenwood Creek [070700021602]                    | 44.87387  | -90.048655 | 6/23/2020  | 9    | ACRES | 5    | 0        | 4       | \$180.00    | \$20.00     |
|                           |                                | Residue Management                            | Marathon  | Fenwood Creek [070700021602]                    | 44.87743  | -90.047983 | 6/23/2020  | 14   | ACRES | 8    | 0        | 6       | \$280.00    | \$20.00     |
|                           |                                | Residue Management                            | Marathon  | Fenwood Creek [070700021602]                    | 44.87963  | -90.046346 | 6/23/2020  | 7    | ACRES | 4    | 0        | 3       | \$140.00    | \$20.00     |
|                           |                                | Residue Management                            | Marathon  | Fenwood Creek [070700021602]                    | 44.87709  | -90.04631  | 6/23/2020  | 9    | ACRES | 5    | 0        | 4       | \$180.00    | \$20.00     |
|                           |                                | Residue Management                            | Marathon  | Fenwood Creek [070700021602]                    | 44.87469  | -90.046237 | 6/23/2020  | 0    | ACRES | 10   | 0        | 7       | \$330.00    | \$20.00     |
|                           |                                | Residue Management                            | Marathon  | Fenwood Creek [070700021602]                    | 44.8737   | -90.042322 | 6/23/2020  | 10   | ACRES | 6    | 0        | 4       | \$200.00    | \$20.00     |
|                           |                                | Residue Management                            | Marathon  | Fenwood Creek [070700021602]                    | 44.87533  | -90.04331  | 6/23/2020  | 11   | ACRES | 6.6  | 0        | 4       | \$220.00    | \$20.00     |
|                           |                                | Residue Management                            | Marathon  | Fenwood Creek [070700021602]                    | 44.87798  | -90.043768 | 6/23/2020  | 13   | ACRES | 7.8  | 0        | 5.2     | \$260.00    | \$20.00     |
| Residue Management        | Marathon                       | Fenwood Creek [070700021602]                  | 44.87071  | -90.038314                                      | 6/23/2020 | 18         | ACRES      | 11   | 0     | 7    | \$360.00 | \$20.00 |             |             |
| Residue Management        | Marathon                       | Fenwood Creek [070700021602]                  | 44.87232  | -90.0365  | 6/23/2020 | 9          | ACRES      | 5    | 0     | 4    | \$180.00 | \$20.00 |             |             |



|                    |          |  |          |            |           |    |       |      |   |     |            |         |
|--------------------|----------|--|----------|------------|-----------|----|-------|------|---|-----|------------|---------|
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.86816 | -90.035763 | 6/23/2020 | 19 | ACRES | 11.4 | 0 | 7.6 | \$380.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.88943 | -90.031676 | 6/23/2020 | 23 | ACRES | 14   | 0 | 9   | \$460.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.88933 | -90.02812  | 6/23/2020 | 30 | ACRES | 18   | 0 | 12  | \$600.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.89171 | -90.043391 | 6/23/2020 | 19 | ACRES | 11.4 | 0 | 7.6 | \$380.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.89253 | -90.041065 | 6/23/2020 | 10 | ACRES | 6    | 0 | 4   | \$200.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.89407 | -90.042037 | 6/23/2020 | 14 | ACRES | 8.4  | 0 | 5.6 | \$280.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.89561 | -90.042587 | 6/23/2020 | 20 | ACRES | 12   | 0 | 8   | \$400.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.8899  | -90.048168 | 6/23/2020 | 8  | ACRES | 5    | 0 | 3   | \$160.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.88859 | -90.047717 | 6/23/2020 | 19 | ACRES | 11   | 0 | 8   | \$380.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.88809 | -90.043946 | 6/23/2020 | 0  | ACRES | 2.1  | 0 | 1.4 | \$70.00    | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.86784 | -90.038263 | 6/23/2020 | 21 | ACRES | 13   | 0 | 8   | \$420.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.89861 | -90.053574 | 7/16/2020 | 6  | ACRES | 14   | 0 | 11  | \$240.00   | \$40.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.90036 | -90.054038 | 7/16/2020 | 10 | ACRES | 23   | 0 | 18  | \$400.00   | \$40.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.89967 | -90.052381 | 7/16/2020 | 3  | ACRES | 7    | 0 | 5   | \$120.00   | \$40.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.9009  | -90.04951  | 7/16/2020 | 9  | ACRES | 21   | 0 | 16  | \$360.00   | \$40.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.90024 | -90.049003 | 7/16/2020 | 12 | ACRES | 28   | 0 | 22  | \$480.00   | \$40.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.89976 | -90.048777 | 7/16/2020 | 8  | ACRES | 18   | 0 | 14  | \$320.00   | \$40.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.89903 | -90.048612 | 7/16/2020 | 13 | ACRES | 30   | 0 | 23  | \$520.00   | \$40.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.89693 | -90.050183 | 7/16/2020 | 39 | ACRES | 90   | 0 | 70  | \$1,560.00 | \$40.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.89549 | -90.050124 | 7/16/2020 | 25 | ACRES | 58   | 0 | 45  | \$1,000.00 | \$40.00 |
| Residue Management | Marathon | Scotch Creek<br>[070700021001]                       | 44.87626 | -89.94251  | 8/6/2020  | 5  | ACRES | 4    | 0 | 3   | \$100.00   | \$20.00 |
| Residue Management | Marathon | Scotch Creek<br>[070700021001]                       | 44.87624 | -89.945947 | 8/6/2020  | 2  | ACRES | 2    | 0 | 1   | \$40.00    | \$20.00 |
| Residue Management | Marathon | Rock Creek-Big<br>Eau Pleine River<br>[070700021601] | 44.87936 | -90.05251  | 8/6/2020  | 84 | ACRES | 143  | 0 | 126 | \$1,680.00 | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.87196 | -89.950344 | 8/6/2020  | 7  | ACRES | 6    | 0 | 4   | \$140.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.87114 | -89.947953 | 8/6/2020  | 4  | ACRES | 3    | 0 | 2   | \$80.00    | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.87036 | -89.950953 | 8/6/2020  | 10 | ACRES | 8    | 0 | 6   | \$200.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.86882 | -89.947987 | 8/6/2020  | 4  | ACRES | 3    | 0 | 2   | \$80.00    | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.88892 | -90.050511 | 8/6/2020  | 11 | ACRES | 24   | 0 | 19  | \$330.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.88877 | -90.053446 | 8/6/2020  | 16 | ACRES | 35   | 0 | 27  | \$480.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.89008 | -90.052989 | 8/6/2020  | 4  | ACRES | 9    | 0 | 7   | \$120.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602]                      | 44.8865  | -90.051836 | 8/6/2020  | 21 | ACRES | 46   | 0 | 36  | \$630.00   | \$30.00 |

|                    |          |                              |          |            |          |    |       |    |   |    |            |         |
|--------------------|----------|------------------------------|----------|------------|----------|----|-------|----|---|----|------------|---------|
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88477 | -90.051415 | 8/6/2020 | 27 | ACRES | 59 | 0 | 46 | \$810.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88642 | -90.049    | 8/6/2020 | 2  | ACRES | 4  | 0 | 3  | \$60.00    | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88624 | -90.047377 | 8/6/2020 | 4  | ACRES | 9  | 0 | 7  | \$120.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88646 | -90.047192 | 8/6/2020 | 2  | ACRES | 4  | 0 | 3  | \$60.00    | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8866  | -90.047013 | 8/6/2020 | 2  | ACRES | 4  | 0 | 3  | \$60.00    | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88705 | -90.046954 | 8/6/2020 | 6  | ACRES | 13 | 0 | 10 | \$180.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88361 | -90.04643  | 8/6/2020 | 13 | ACRES | 29 | 0 | 22 | \$390.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88332 | -90.04891  | 8/6/2020 | 6  | ACRES | 13 | 0 | 10 | \$180.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88121 | -90.049423 | 8/6/2020 | 5  | ACRES | 11 | 0 | 9  | \$150.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88272 | -90.04414  | 8/6/2020 | 8  | ACRES | 18 | 0 | 14 | \$240.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88273 | -90.042416 | 8/6/2020 | 9  | ACRES | 20 | 0 | 15 | \$270.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88278 | -90.040764 | 8/6/2020 | 7  | ACRES | 15 | 0 | 12 | \$210.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88329 | -90.037513 | 8/6/2020 | 11 | ACRES | 24 | 0 | 19 | \$330.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88224 | -90.034287 | 8/6/2020 | 22 | ACRES | 48 | 0 | 37 | \$6,660.00 | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88422 | -90.036845 | 8/6/2020 | 7  | ACRES | 15 | 0 | 12 | \$210.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88593 | -90.035566 | 8/6/2020 | 35 | ACRES | 77 | 0 | 60 | \$1,050.00 | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8862  | -90.040422 | 8/6/2020 | 13 | ACRES | 29 | 0 | 22 | \$390.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88702 | -90.040838 | 8/6/2020 | 3  | ACRES | 7  | 0 | 5  | \$90.00    | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88699 | -90.043398 | 8/6/2020 | 6  | ACRES | 13 | 0 | 10 | \$180.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88544 | -90.04141  | 8/6/2020 | 11 | ACRES | 24 | 0 | 19 | \$330.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8848  | -90.041916 | 8/6/2020 | 7  | ACRES | 15 | 0 | 12 | \$210.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88422 | -90.042215 | 8/6/2020 | 6  | ACRES | 13 | 0 | 10 | \$180.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87499 | -90.031735 | 8/6/2020 | 13 | ACRES | 22 | 0 | 20 | \$260.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.86036 | -90.00699  | 8/6/2020 | 36 | ACRES | 61 | 0 | 54 | \$720.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87511 | -89.938654 | 8/6/2020 | 21 | ACRES | 17 | 0 | 13 | \$420.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87487 | -89.942854 | 8/6/2020 | 18 | ACRES | 14 | 0 | 11 | \$360.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87364 | -89.942807 | 8/6/2020 | 8  | ACRES | 6  | 0 | 5  | \$160.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87436 | -89.945909 | 8/6/2020 | 13 | ACRES | 10 | 0 | 8  | \$260.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87245 | -89.94576  | 8/6/2020 | 4  | ACRES | 3  | 0 | 2  | \$80.00    | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87151 | -89.945523 | 8/6/2020 | 6  | ACRES | 5  | 0 | 4  | \$120.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87012 | -89.945478 | 8/6/2020 | 10 | ACRES | 8  | 0 | 6  | \$200.00   | \$20.00 |

|                          |                       |                    |          |  |          |            |           |    |       |     |   |     |            |         |
|--------------------------|-----------------------|--------------------|----------|--|----------|------------|-----------|----|-------|-----|---|-----|------------|---------|
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.86984 | -89.942074 | 8/6/2020  | 5  | ACRES | 4   | 0 | 3   | \$100.00   | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87103 | -89.941951 | 8/6/2020  | 8  | ACRES | 6   | 0 | 5   | \$160.00   | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87239 | -89.942052 | 8/6/2020  | 4  | ACRES | 3   | 0 | 2   | \$80.00    | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87251 | -89.939164 | 8/6/2020  | 3  | ACRES | 2   | 0 | 2   | \$60.00    | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87167 | -89.939434 | 8/6/2020  | 2  | ACRES | 2   | 0 | 1   | \$40.00    | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87025 | -89.938127 | 8/6/2020  | 9  | ACRES | 7   | 0 | 5   | \$180.00   | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87239 | -89.94797  | 8/6/2020  | 3  | ACRES | 2   | 0 | 2   | \$60.00    | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.86788 | -89.950939 | 8/6/2020  | 4  | ACRES | 3   | 0 | 2   | \$80.00    | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.86044 | -89.965008 | 8/6/2020  | 9  | ACRES | 7   | 0 | 5   | \$180.00   | \$20.00 |
| Marathon County MDV 2021 | Lake Dubay [07070002] | Residue Management | Marathon | Rock Creek-Big Eau Pleine River [070700021601] | 44.86929 | -90.047343 | 5/24/2021 | 68 | ACRES | 102 | 0 | 88  | \$1,360.00 | \$20.00 |
|                          |                       | Residue Management | Marathon | Rock Creek-Big Eau Pleine River [070700021601] | 44.86756 | -90.041525 | 5/24/2021 | 15 | ACRES | 12  | 0 | 6   | \$300.00   | \$20.00 |
|                          |                       | Residue Management | Marathon | Rock Creek-Big Eau Pleine River [070700021601] | 44.86756 | -90.038263 | 5/24/2021 | 21 | ACRES | 17  | 0 | 8   | \$420.00   | \$20.00 |
|                          |                       | Residue Management | Marathon | Rock Creek-Big Eau Pleine River [070700021601] | 44.87936 | -90.05251  | 5/24/2021 | 84 | ACRES | 125 | 0 | 109 | \$1,680.00 | \$20.00 |
|                          |                       | Residue Management | Marathon | Rock Creek-Big Eau Pleine River [070700021601] | 44.86789 | -90.042895 | 5/24/2021 | 14 | ACRES | 11  | 0 | 6   | \$280.00   | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.89861 | -90.053574 | 5/24/2021 | 6  | ACRES | 14  | 0 | 11  | \$240.00   | \$40.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.89903 | -90.048612 | 5/24/2021 | 13 | ACRES | 30  | 0 | 23  | \$520.00   | \$40.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87709 | -90.040272 | 5/24/2021 | 19 | ACRES | 15  | 0 | 7.6 | \$380.00   | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87709 | -90.04631  | 5/24/2021 | 9  | ACRES | 7   | 0 | 4   | \$180.00   | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.89252 | -90.041065 | 5/24/2021 | 10 | ACRES | 8   | 0 | 4   | \$200.00   | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.88642 | -90.049    | 5/24/2021 | 2  | ACRES | 4   | 0 | 4   | \$60.00    | \$30.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.88332 | -90.04891  | 5/24/2021 | 6  | ACRES | 13  | 0 | 11  | \$180.00   | \$30.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.88224 | -90.034287 | 5/24/2021 | 22 | ACRES | 46  | 0 | 40  | \$660.00   | \$30.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.88544 | -90.04141  | 5/24/2021 | 11 | ACRES | 23  | 0 | 20  | \$330.00   | \$30.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87498 | -90.031735 | 5/24/2021 | 13 | ACRES | 20  | 0 | 17  | \$260.00   | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.90024 | -90.049003 | 5/24/2021 | 12 | ACRES | 28  | 0 | 22  | \$480.00   | \$40.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.89893 | -90.017974 | 5/24/2021 | 19 | ACRES | 44  | 0 | 34  | \$760.00   | \$40.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87743 | -90.047983 | 5/24/2021 | 14 | ACRES | 11  | 0 | 6   | \$280.00   | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87071 | -90.038314 | 5/24/2021 | 18 | ACRES | 14  | 0 | 7   | \$360.00   | \$20.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.88933 | -90.02812  | 5/24/2021 | 30 | ACRES | 24  | 0 | 12  | \$600.00   | \$20.00 |

|                    |          |                              |          |            |           |      |       |      |   |     |            |         |
|--------------------|----------|------------------------------|----------|------------|-----------|------|-------|------|---|-----|------------|---------|
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88859 | -90.047717 | 5/24/2021 | 19   | ACRES | 15   | 0 | 8   | \$380.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8865  | -90.051836 | 5/24/2021 | 21   | ACRES | 44   | 0 | 38  | \$630.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88705 | -90.046954 | 5/24/2021 | 6    | ACRES | 13   | 0 | 11  | \$180.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88278 | -90.040764 | 5/24/2021 | 7    | ACRES | 15   | 0 | 13  | \$210.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88702 | -90.040838 | 5/24/2021 | 3    | ACRES | 6    | 0 | 5   | \$90.00    | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.90036 | -90.054038 | 5/24/2021 | 10   | ACRES | 23   | 0 | 18  | \$400.00   | \$40.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.90089 | -90.04951  | 5/24/2021 | 9    | ACRES | 21   | 0 | 16  | \$360.00   | \$40.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89693 | -90.050183 | 5/24/2021 | 39   | ACRES | 90   | 0 | 70  | \$1,560.00 | \$40.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89902 | -90.019484 | 5/24/2021 | 14   | ACRES | 32   | 0 | 25  | \$560.00   | \$40.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87144 | -90.041643 | 5/24/2021 | 39   | ACRES | 31   | 0 | 16  | \$780.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87387 | -90.048655 | 5/24/2021 | 9    | ACRES | 7    | 0 | 4   | \$180.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87469 | -90.046237 | 5/24/2021 | 16.5 | ACRES | 13   | 0 | 7   | \$330.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87798 | -90.043768 | 5/24/2021 | 13   | ACRES | 10   | 0 | 5.2 | \$260.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88943 | -90.031676 | 5/24/2021 | 23   | ACRES | 18   | 0 | 9   | \$460.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89407 | -90.042037 | 5/24/2021 | 14   | ACRES | 11   | 0 | 5.6 | \$280.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8899  | -90.048168 | 5/24/2021 | 8    | ACRES | 6    | 0 | 3   | \$160.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88892 | -90.050511 | 5/24/2021 | 11   | ACRES | 23   | 0 | 20  | \$330.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89008 | -90.052989 | 5/24/2021 | 4    | ACRES | 8    | 0 | 7   | \$120.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88624 | -90.047377 | 5/24/2021 | 4    | ACRES | 8    | 0 | 7   | \$120.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8866  | -90.047013 | 5/24/2021 | 2    | ACRES | 4    | 0 | 4   | \$60.00    | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88121 | -90.049423 | 5/24/2021 | 5    | ACRES | 11   | 0 | 9   | \$150.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88272 | -90.042416 | 5/24/2021 | 9    | ACRES | 19   | 0 | 16  | \$270.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88422 | -90.036845 | 5/24/2021 | 7    | ACRES | 15   | 0 | 13  | \$210.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8862  | -90.040422 | 5/24/2021 | 13   | ACRES | 27   | 0 | 23  | \$390.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8848  | -90.041916 | 5/24/2021 | 7    | ACRES | 15   | 0 | 13  | \$210.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8737  | -90.042322 | 5/24/2021 | 10   | ACRES | 8    | 0 | 4   | \$200.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89967 | -90.052381 | 5/24/2021 | 3    | ACRES | 7    | 0 | 5   | \$120.00   | \$40.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89548 | -90.050124 | 5/24/2021 | 25   | ACRES | 58   | 0 | 45  | \$1,000.00 | \$40.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87738 | -90.049255 | 5/24/2021 | 20   | ACRES | 16   | 0 | 8   | \$400.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87534 | -90.04331  | 5/24/2021 | 11   | ACRES | 9    | 0 | 4   | \$220.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.86816 | -90.035763 | 5/24/2021 | 19   | ACRES | 15.2 | 0 | 7.6 | \$380.00   | \$20.00 |

|                    |          |                                 |          |            |           |     |       |    |   |     |            |         |
|--------------------|----------|---------------------------------|----------|------------|-----------|-----|-------|----|---|-----|------------|---------|
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.89561 | -90.042587 | 5/24/2021 | 20  | ACRES | 16 | 0 | 8   | \$400.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.88877 | -90.053446 | 5/24/2021 | 16  | ACRES | 24 | 0 | 29  | \$480.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.88646 | -90.047192 | 5/24/2021 | 2   | ACRES | 4  | 0 | 4   | \$60.00    | \$30.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.88272 | -90.04414  | 5/24/2021 | 8   | ACRES | 17 | 0 | 14  | \$240.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.88593 | -90.035566 | 5/24/2021 | 35  | ACRES | 74 | 0 | 63  | \$1,050.00 | \$30.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.88422 | -90.042215 | 5/24/2021 | 6   | ACRES | 13 | 0 | 11  | \$180.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.86036 | -90.00699  | 5/24/2021 | 36  | ACRES | 54 | 0 | 47  | \$720.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.89976 | -90.048777 | 5/24/2021 | 8   | ACRES | 18 | 0 | 14  | \$320.00   | \$40.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.89904 | -90.016169 | 5/24/2021 | 22  | ACRES | 51 | 0 | 40  | \$880.00   | \$40.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.87963 | -90.046346 | 5/24/2021 | 7   | ACRES | 6  | 0 | 3   | \$140.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.87232 | -90.0365   | 5/24/2021 | 9   | ACRES | 7  | 0 | 4   | \$180.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.89171 | -90.043391 | 5/24/2021 | 19  | ACRES | 15 | 0 | 7.6 | \$380.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.8881  | -90.043946 | 5/24/2021 | 3.5 | ACRES | 3  | 0 | 1.4 | \$70.00    | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.88477 | -90.051415 | 5/24/2021 | 27  | ACRES | 57 | 0 | 49  | \$810.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.88361 | -90.04643  | 5/24/2021 | 13  | ACRES | 27 | 0 | 23  | \$390.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.88329 | -90.037513 | 5/24/2021 | 11  | ACRES | 23 | 0 | 20  | \$330.00   | \$30.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.88699 | -90.043398 | 5/24/2021 | 6   | ACRES | 13 | 0 | 11  | \$180.00   | \$30.00 |
| Residue Management | Marathon | Scotch Creek<br>[070700021001]  | 44.87626 | -89.94251  | 5/28/2021 | 5   | ACRES | 5  | 0 | 7   | \$100.00   | \$20.00 |
| Residue Management | Marathon | Scotch Creek<br>[070700021001]  | 44.87624 | -89.945947 | 5/28/2021 | 2   | ACRES | 2  | 0 | 3   | \$40.00    | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.86984 | -89.942074 | 5/28/2021 | 5   | ACRES | 5  | 0 | 7   | \$100.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.87239 | -89.94797  | 5/28/2021 | 3   | ACRES | 3  | 0 | 4   | \$60.00    | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.86044 | -89.965008 | 5/28/2021 | 9   | ACRES | 8  | 0 | 12  | \$180.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.87487 | -89.942854 | 5/28/2021 | 18  | ACRES | 16 | 0 | 23  | \$360.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.87151 | -89.945523 | 5/28/2021 | 6   | ACRES | 5  | 0 | 8   | \$120.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.87167 | -89.939434 | 5/28/2021 | 2   | ACRES | 2  | 0 | 3   | \$40.00    | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.86789 | -89.950939 | 5/28/2021 | 4   | ACRES | 4  | 0 | 5   | \$80.00    | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.87511 | -89.938654 | 5/28/2021 | 21  | ACRES | 19 | 0 | 27  | \$420.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.87245 | -89.94576  | 5/28/2021 | 4   | ACRES | 4  | 0 | 5   | \$80.00    | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.87103 | -89.941951 | 5/28/2021 | 8   | ACRES | 7  | 0 | 10  | \$160.00   | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.87251 | -89.939164 | 5/28/2021 | 3   | ACRES | 3  | 0 | 4   | \$60.00    | \$20.00 |
| Residue Management | Marathon | Fenwood Creek<br>[070700021602] | 44.87114 | -89.947953 | 5/28/2021 | 4   | ACRES | 4  | 0 | 5   | \$80.00    | \$20.00 |

|                          |                       |                    |          |  |          |            |           |    |       |     |   |     |            |            |
|--------------------------|-----------------------|--------------------|----------|--|----------|------------|-----------|----|-------|-----|---|-----|------------|------------|
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87037 | -89.950953 | 5/28/2021 | 10 | ACRES | 9   | 0 | 13  | \$200.00   | \$200.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87436 | -89.945909 | 5/28/2021 | 13 | ACRES | 12  | 0 | 17  | \$260.00   | \$200.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87196 | -89.950344 | 5/28/2021 | 7  | ACRES | 6   | 0 | 9   | \$140.00   | \$200.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87364 | -89.942807 | 5/28/2021 | 8  | ACRES | 7   | 0 | 10  | \$160.00   | \$200.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87012 | -89.945478 | 5/28/2021 | 10 | ACRES | 9   | 0 | 13  | \$200.00   | \$200.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87025 | -89.938127 | 5/28/2021 | 9  | ACRES | 8   | 0 | 12  | \$180.00   | \$200.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.86882 | -89.947987 | 5/28/2021 | 4  | ACRES | 4   | 0 | 5   | \$80.00    | \$200.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87346 | -89.939136 | 6/9/2021  | 5  | ACRES | 5   | 0 | 7   | \$100.00   | \$200.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87239 | -89.942052 | 6/9/2021  | 4  | ACRES | 4   | 0 | 5   | \$80.00    | \$200.00   |
| Marathon County MDV 2022 | Lake Dubay [07070002] | Residue Management | Marathon | Scotch Creek [070700021001]                    | 44.87626 | -89.94251  | 6/9/2022  | 5  | ACRES | 10  | 0 | 9   | \$150.00   | \$150.00   |
|                          |                       | Residue Management | Marathon | Scotch Creek [070700021001]                    | 44.87624 | -89.945947 | 6/9/2022  | 2  | ACRES | 4   | 0 | 3   | \$60.00    | \$60.00    |
|                          |                       | Residue Management | Marathon | Rock Creek-Big Eau Pleine River [070700021601] | 44.86929 | -90.047343 | 6/9/2022  | 68 | ACRES | 116 | 0 | 88  | \$1,360.00 | \$1,360.00 |
|                          |                       | Residue Management | Marathon | Rock Creek-Big Eau Pleine River [070700021601] | 44.86789 | -90.042895 | 6/9/2022  | 14 | ACRES | 10  | 0 | 6   | \$280.00   | \$280.00   |
|                          |                       | Residue Management | Marathon | Rock Creek-Big Eau Pleine River [070700021601] | 44.87936 | -90.05251  | 6/9/2022  | 84 | ACRES | 143 | 0 | 109 | \$1,680.00 | \$1,680.00 |
|                          |                       | Residue Management | Marathon | Rock Creek-Big Eau Pleine River [070700021601] | 44.86712 | -90.041525 | 6/9/2022  | 15 | ACRES | 11  | 0 | 6   | \$300.00   | \$300.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.90089 | -90.04951  | 6/9/2022  | 9  | ACRES | 19  | 0 | 16  | \$360.00   | \$360.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.89693 | -90.050183 | 6/9/2022  | 39 | ACRES | 82  | 0 | 70  | \$1,560.00 | \$1,560.00 |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.88943 | -90.031676 | 6/9/2022  | 23 | ACRES | 16  | 0 | 9   | \$460.00   | \$460.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.89407 | -90.042037 | 6/9/2022  | 14 | ACRES | 10  | 0 | 5.6 | \$280.00   | \$280.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87103 | -89.941951 | 6/9/2022  | 8  | ACRES | 15  | 0 | 14  | \$240.00   | \$240.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.8737  | -90.042322 | 6/9/2022  | 10 | ACRES | 7   | 0 | 4   | \$200.00   | \$200.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.89171 | -90.043391 | 6/9/2022  | 19 | ACRES | 13  | 0 | 7.6 | \$380.00   | \$380.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.90024 | -90.049003 | 6/9/2022  | 12 | ACRES | 25  | 0 | 22  | \$480.00   | \$480.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87498 | -90.031735 | 6/9/2022  | 13 | ACRES | 22  | 0 | 17  | \$260.00   | \$260.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.86036 | -90.00699  | 6/9/2022  | 36 | ACRES | 61  | 0 | 47  | \$720.00   | \$720.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.89976 | -90.048777 | 6/9/2022  | 8  | ACRES | 17  | 0 | 14  | \$320.00   | \$320.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.89893 | -90.017974 | 6/9/2022  | 19 | ACRES | 40  | 0 | 34  | \$760.00   | \$760.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.89904 | -90.016169 | 6/9/2022  | 22 | ACRES | 46  | 0 | 40  | \$880.00   | \$880.00   |
|                          |                       | Residue Management | Marathon | Fenwood Creek [070700021602]                   | 44.87387 | -90.048655 | 6/9/2022  | 9  | ACRES | 6   | 0 | 4   | \$180.00   | \$180.00   |

|                    |          |                              |          |            |          |    |       |    |   |     |            |            |
|--------------------|----------|------------------------------|----------|------------|----------|----|-------|----|---|-----|------------|------------|
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87743 | -90.047983 | 6/9/2022 | 14 | ACRES | 10 | 0 | 6   | \$280.00   | \$280.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87534 | -90.04331  | 6/9/2022 | 11 | ACRES | 8  | 0 | 4   | \$220.00   | \$220.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87798 | -90.043768 | 6/9/2022 | 13 | ACRES | 9  | 0 | 5.2 | \$260.00   | \$260.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.86816 | -90.035763 | 6/9/2022 | 19 | ACRES | 13 | 0 | 7.6 | \$380.00   | \$380.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8899  | -90.048168 | 6/9/2022 | 8  | ACRES | 6  | 0 | 3   | \$160.00   | \$160.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88859 | -90.047717 | 6/9/2022 | 19 | ACRES | 13 | 0 | 8   | \$380.00   | \$380.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88877 | -90.053446 | 6/9/2022 | 16 | ACRES | 29 | 0 | 26  | \$480.00   | \$480.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89008 | -90.052989 | 6/9/2022 | 4  | ACRES | 7  | 0 | 6   | \$120.00   | \$120.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88624 | -90.047377 | 6/9/2022 | 4  | ACRES | 7  | 0 | 6   | \$120.00   | \$120.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88646 | -90.047192 | 6/9/2022 | 2  | ACRES | 4  | 0 | 3   | \$60.00    | \$60.00    |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88332 | -90.04891  | 6/9/2022 | 6  | ACRES | 11 | 0 | 10  | \$180.00   | \$180.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88121 | -90.049423 | 6/9/2022 | 5  | ACRES | 9  | 0 | 8   | \$150.00   | \$150.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88329 | -90.037513 | 6/9/2022 | 11 | ACRES | 20 | 0 | 18  | \$330.00   | \$330.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88224 | -90.034287 | 6/9/2022 | 22 | ACRES | 40 | 0 | 35  | \$660.00   | \$660.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88702 | -90.040838 | 6/9/2022 | 3  | ACRES | 5  | 0 | 5   | \$90.00    | \$90.00    |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88699 | -90.043398 | 6/9/2022 | 6  | ACRES | 11 | 0 | 10  | \$180.00   | \$180.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87511 | -89.938654 | 6/9/2022 | 21 | ACRES | 40 | 0 | 36  | \$630.00   | \$630.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87487 | -89.942854 | 6/9/2022 | 18 | ACRES | 34 | 0 | 34  | \$540.00   | \$540.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87436 | -89.945909 | 6/9/2022 | 13 | ACRES | 25 | 0 | 22  | \$390.00   | \$390.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87245 | -89.94576  | 6/9/2022 | 4  | ACRES | 8  | 0 | 7   | \$120.00   | \$120.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87239 | -89.942052 | 6/9/2022 | 4  | ACRES | 8  | 0 | 7   | \$120.00   | \$120.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.90036 | -90.054038 | 6/9/2022 | 10 | ACRES | 21 | 0 | 18  | \$400.00   | \$400.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89548 | -90.050124 | 6/9/2022 | 25 | ACRES | 53 | 0 | 45  | \$1,000.00 | \$1,000.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87144 | -90.041643 | 6/9/2022 | 39 | ACRES | 27 | 0 | 16  | \$780.00   | \$780.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87709 | -90.04631  | 6/9/2022 | 9  | ACRES | 6  | 0 | 4   | \$180.00   | \$180.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87232 | -90.0365   | 6/9/2022 | 9  | ACRES | 6  | 0 | 4   | \$180.00   | \$180.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89252 | -90.041065 | 6/9/2022 | 10 | ACRES | 7  | 0 | 4   | \$200.00   | \$200.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.86784 | -90.038263 | 6/9/2022 | 21 | ACRES | 15 | 0 | 8   | \$420.00   | \$420.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88477 | -90.051415 | 6/9/2022 | 27 | ACRES | 49 | 0 | 43  | \$810.00   | \$810.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88705 | -90.046954 | 6/9/2022 | 6  | ACRES | 11 | 0 | 10  | \$180.00   | \$180.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88272 | -90.042416 | 6/9/2022 | 9  | ACRES | 16 | 0 | 14  | \$270.00   | \$270.00   |

|                    |          |                              |          |            |          |      |       |    |   |     |            |            |
|--------------------|----------|------------------------------|----------|------------|----------|------|-------|----|---|-----|------------|------------|
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88593 | -90.035566 | 6/9/2022 | 35   | ACRES | 63 | 0 | 56  | \$1,050.00 | \$1,050.00 |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8848  | -90.041916 | 6/9/2022 | 7    | ACRES | 13 | 0 | 11  | \$210.00   | \$210.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87012 | -89.945478 | 6/9/2022 | 10   | ACRES | 19 | 0 | 17  | \$300.00   | \$300.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89967 | -90.052381 | 6/9/2022 | 3    | ACRES | 6  | 0 | 5   | \$120.00   | \$120.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89902 | -90.019484 | 6/9/2022 | 14   | ACRES | 29 | 0 | 25  | \$560.00   | \$560.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87738 | -90.049255 | 6/9/2022 | 20   | ACRES | 14 | 0 | 8   | \$400.00   | \$400.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87469 | -90.046237 | 6/9/2022 | 16.5 | ACRES | 12 | 0 | 7   | \$330.00   | \$330.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89561 | -90.042587 | 6/9/2022 | 20   | ACRES | 14 | 0 | 8   | \$400.00   | \$400.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88892 | -90.050511 | 6/9/2022 | 11   | ACRES | 20 | 0 | 18  | \$330.00   | \$330.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88642 | -90.049    | 6/9/2022 | 2    | ACRES | 4  | 0 | 3   | \$60.00    | \$60.00    |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88361 | -90.04643  | 6/9/2022 | 13   | ACRES | 23 | 0 | 21  | \$390.00   | \$390.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88278 | -90.040764 | 6/9/2022 | 7    | ACRES | 13 | 0 | 11  | \$210.00   | \$210.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8862  | -90.040422 | 6/9/2022 | 13   | ACRES | 23 | 0 | 21  | \$390.00   | \$390.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88422 | -90.042215 | 6/9/2022 | 6    | ACRES | 11 | 0 | 10  | \$180.00   | \$180.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.86984 | -89.942074 | 6/9/2022 | 5    | ACRES | 10 | 0 | 9   | \$150.00   | \$150.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89861 | -90.053574 | 6/9/2022 | 6    | ACRES | 13 | 0 | 11  | \$240.00   | \$240.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.89903 | -90.048612 | 6/9/2022 | 13   | ACRES | 27 | 0 | 23  | \$520.00   | \$520.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87709 | -90.040272 | 6/9/2022 | 19   | ACRES | 13 | 0 | 7.6 | \$380.00   | \$380.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87963 | -90.046346 | 6/9/2022 | 7    | ACRES | 5  | 0 | 3   | \$140.00   | \$140.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87071 | -90.038314 | 6/9/2022 | 18   | ACRES | 13 | 0 | 7   | \$360.00   | \$360.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88933 | -90.02812  | 6/9/2022 | 30   | ACRES | 21 | 0 | 12  | \$600.00   | \$600.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8881  | -90.043946 | 6/9/2022 | 3.5  | ACRES | 2  | 0 | 1.4 | \$70.00    | \$70.00    |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8865  | -90.051836 | 6/9/2022 | 21   | ACRES | 38 | 0 | 34  | \$630.00   | \$630.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.8866  | -90.047013 | 6/9/2022 | 2    | ACRES | 4  | 0 | 3   | \$60.00    | \$60.00    |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88272 | -90.04414  | 6/9/2022 | 8    | ACRES | 14 | 0 | 13  | \$240.00   | \$240.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88422 | -90.036845 | 6/9/2022 | 7    | ACRES | 13 | 0 | 11  | \$210.00   | \$210.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.88544 | -90.04141  | 6/9/2022 | 11   | ACRES | 20 | 0 | 18  | \$330.00   | \$330.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87364 | -89.942807 | 6/9/2022 | 8    | ACRES | 15 | 0 | 14  | \$240.00   | \$240.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87151 | -89.945523 | 6/9/2022 | 6    | ACRES | 11 | 0 | 10  | \$180.00   | \$180.00   |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87251 | -89.939164 | 6/9/2022 | 3    | ACRES | 6  | 0 | 5   | \$90.00    | \$90.00    |
| Residue Management | Marathon | Fenwood Creek [070700021602] | 44.87167 | -89.939434 | 6/9/2022 | 2    | ACRES | 4  | 0 | 3   | \$60.00    | \$60.00    |



|   |                                   |   |             |   |          |            |            |               |                |        |        |        |             |             |
|---|-----------------------------------|---|-------------|---|----------|------------|------------|---------------|----------------|--------|--------|--------|-------------|-------------|
|   |                                   | Residue Management  | Marathon    | Fenwood Creek<br>[070700021602]                       | 44.87025 | -89.938127 | 6/9/2022   | 9             | ACRES          | 17     | 0      | 15     | \$270.00    | \$270.00    |
|   |                                   | Residue Management  | Marathon    | Fenwood Creek<br>[070700021602]                       | 44.87239 | -89.94797  | 6/9/2022   | 3             | ACRES          | 6      | 0      | 5      | \$90.00     | \$90.00     |
|   |                                   | Residue Management  | Marathon    | Fenwood Creek<br>[070700021602]                       | 44.87114 | -89.947953 | 6/9/2022   | 4             | ACRES          | 8      | 0      | 7      | \$120.00    | \$120.00    |
|   |                                   | Residue Management  | Marathon    | Fenwood Creek<br>[070700021602]                       | 44.87196 | -89.950344 | 6/9/2022   | 7             | ACRES          | 13     | 0      | 12     | \$210.00    | \$210.00    |
|   |                                   | Residue Management  | Marathon    | Fenwood Creek<br>[070700021602]                       | 44.87037 | -89.950953 | 6/9/2022   | 10            | ACRES          | 19     | 0      | 17     | \$300.00    | \$300.00    |
|   |                                   | Residue Management  | Marathon    | Fenwood Creek<br>[070700021602]                       | 44.86789 | -89.950939 | 6/9/2022   | 4             | ACRES          | 8      | 0      | 7      | \$120.00    | \$120.00    |
|   |                                   | Residue Management  | Marathon    | Fenwood Creek<br>[070700021602]                       | 44.86882 | -89.947987 | 6/9/2022   | 4             | ACRES          | 8      | 0      | 7      | \$120.00    | \$120.00    |
|   |                                   | Residue Management  | Marathon    | Fenwood Creek<br>[070700021602]                       | 44.86044 | -89.965008 | 6/9/2022   | 9             | ACRES          | 17     | 0      | 15     | \$270.00    | \$270.00    |
|   |                                   | Residue Management  | Marathon    | Fenwood Creek<br>[070700021602]                       | 44.87354 | -89.939136 | 6/9/2022   | 5             | ACRES          | 10     | 0      | 9      | \$150.00    | \$150.00    |
| MDV FDL 2019<br>Lake Winnebago                    | Lake<br>Winnebago<br>[04030203]   | Critical Area Stabilization   | Winnebago   | Willow Harbor-<br>Lake Winnebago<br>[040302030102]    | 43.93042 | -88.562457 | 11/12/2021 | 0.5           | ACRES          | 108.2  |        | 72.1   | \$5,765.75  | \$4,036.03  |
|   |                                   | Riparian Buffers  | Winnebago   | Willow Harbor-<br>Lake Winnebago<br>[040302030102]    | 43.92772 | -88.496413 | 11/17/2021 | 3.9           | ACRES          | 54.6   | 29.8   | 26.5   | \$12,502.20 | \$561.54    |
|   |                                   | Stream Crossing   | Winnebago   | Willow Harbor-<br>Lake Winnebago<br>[040302030102]    | 43.92939 | -88.495772 | 11/17/2021 | 44            | FEET           | 4.5    |        | 3      | \$4,000.00  | \$2,800.00  |
|   |                                   | Streambank/Shoreline<br>Protection - Shaping &<br>Seeding   | Winnebago   | Willow Harbor-<br>Lake Winnebago<br>[040302030102]    | 43.92759 | -88.496342 | 11/17/2021 | 4006          | FEET           | 1502.6 |        | 1001.7 | \$25,937.56 | \$18,156.28 |
|   |                                   | Waterway Systems  | Winnebago   | Willow Harbor-<br>Lake Winnebago<br>[040302030102]    | 43.94689 | -88.606061 | 10/14/2021 | 2.2           | ACRES          | 466.4  |        | 310.9  | \$19,270.35 | \$13,489.25 |
|   |                                   | Waterway Systems  | Winnebago   | Willow Harbor-<br>Lake Winnebago<br>[040302030102]    | 43.92638 | -88.496939 | 11/17/2021 | .1            | ACRES          | 129.3  |        | 86.2   | \$1,200.00  | \$840.00    |
| MDV FDL 2020<br>Lake Winnebago                    | Lake<br>Winnebago<br>[04030203]   | Waterway Systems  | Winnebago   | Willow Harbor-<br>Lake Winnebago<br>[040302030102]    | 43.93481 | -88.552225 | 12/21/2021 | 1             | ACRES          | 97.2   |        | 64.8   | \$11,118.74 | \$7,783.12  |
| MDV FDL 2021<br>Lake Winnebago                    | Lake<br>Winnebago<br>[04030203]   | Wetland Development or<br>Restoration   | Winnebago   | Willow Harbor-<br>Lake Winnebago<br>[040302030102]    | 43.94231 | -88.483097 | 12/16/2022 | 2.6           | ACRES          | 119.4  |        | 79.6   | \$34,260.00 | \$14,474.20 |
| Outagamie<br>County 2019<br>MDV Plan              | Wolf<br>[04030202]                | Waterway Systems  | Outagamie   | Town of<br>Greenville-Bear<br>Creek<br>[040302021401] | 44.37041 | -88.415675 | 12/13/2019 | 1             | ACRES          | 4      |        | 6.8    | \$4,602.07  | \$402.07    |
| Pierce County<br>2020 MDV                         | Rush-<br>Vermillion<br>[07040001] | Streambank/Shoreline<br>Protection - Rip-rapping  | Pierce      | Isabelle Creek<br>[070400010701]                      | 44.61234 | -92.442513 | 8/3/2021   | 175           | FEET           | 375    |        | 375    | \$5,000.00  | \$3,500.00  |
| Praire River<br>Watershed,<br>UW30<br>Zajackowski | Lake Dubay<br>[07070002]          | Combo 29: Barnyard<br>Runoff Control Systems,<br>Manure Storage Systems,<br>Roof Runoff Systems,<br>Nutrient Management | Lincoln     | Joe Snow Creek-<br>Wisconsin River<br>[070700020404]  | 45.2449  | -89.756719 | 2/28/2021  | 5             | COMBO          | 250.3  | 1322.2 | 0      | \$61,928.20 | \$14,284.35 |
| Ron Halama 580                                    | Trempealeau<br>[07040005]         | Streambank/Shoreline<br>Protection - Rip-rapping  | Trempealeau | Chimney Rock<br>Creek<br>[070400050302]               | 44.4448  | -91.404381 | 8/11/2021  | 346           | FEET           | 73     |        | 52     | \$10,092.99 | \$5,509.98  |
| Sauk County<br>MDV 2019 Part 1<br>(Baraboo)       | Baraboo<br>[07070004]             | Combo 22: Livestock<br>Fencing, Prescribed<br>Grazing   | Sauk        | Twin Creek-<br>Baraboo River<br>[070700040207]        | 43.59282 | -90.021676 | 5/13/2020  | 4444;<br>23.7 | FEET;<br>ACRES | 40.3   | 0      | 47     | \$14,220.00 | \$14,220.00 |
|   |                                   | Combo 22: Livestock<br>Fencing, Prescribed<br>Grazing   | Sauk        | Twin Creek-<br>Baraboo River<br>[070700040207]        | 43.59215 | -90.016585 | 9/28/2020  | 3850;<br>18.6 | FEET;<br>ACRES | 32     | 0      | 37     | \$11,160.00 | \$11,160.00 |

|   |                               |   |           |  |          |            |            |             |             |       |      |        |              |             |
|---|-------------------------------|---|-----------|--|----------|------------|------------|-------------|-------------|-------|------|--------|--------------|-------------|
|   |                               | Prescribed Grazing                                  | Sauk      | Twin Creek-Baraboo River<br>[070700040207]       | 43.61153 | -90.03927  | 8/4/2020   | 129.2       | ACRES       | 216   |      | 508    | \$77,520.00  | \$77,520.00 |
|   |                               | Prescribed Grazing                                  | Sauk      | Hill Point Creek-Narrows Creek<br>[070700040301] | 43.45143 | -90.14277  | 8/4/2020   | 94.5        | ACRES       | 162   |      | 190    | \$56,700.00  | \$56,700.00 |
| Sauk County MDV 2019 Part 2 (Lower Wisconsin - Honey Creek) | Lower Wisconsin<br>[07070005] | Prescribed Grazing                                  | Sauk      | North Branch Honey Creek<br>[070700050402]       | 43.29216 | -89.956822 | 9/17/2020  | 8.6         | ACRES       | 15    |      | 34     | \$5,160.00   | \$5,160.00  |
|   |                               | Streambank/Shoreline Protection - Shaping & Seeding | Sauk      | Middle Honey Creek<br>[070700050403]             | 43.27996 | -90.052712 | 12/18/2020 | 1390        | FEET        | 200   |      | 106.3  | \$5,000.00   | \$5,000.00  |
| Sauk County MDV 2020 Part 1 (Baraboo)                       | Baraboo<br>[07070004]         | Prescribed Grazing                                  | Sauk      | Twin Creek-Baraboo River<br>[070700040207]       | 43.58633 | -90.027855 | 6/28/2021  | 14.7        | ACRES       | 138   | 0    | 159    | \$8,820.00   | \$8,820.00  |
| Sauk County MDV 2020 Part 2 (Lower Wisconsin - Honey Creek) | Lower Wisconsin<br>[07070005] | Prescribed Grazing                                  | Sauk      | North Branch Honey Creek<br>[070700050402]       | 43.29159 | -89.944547 | 9/27/2021  | 12.74       | ACRES       | 21.7  |      | 50.96  | \$7,644.00   | \$7,644.00  |
| Sauk County MDV 2021  | Baraboo<br>[07070004]         | Combo 22: Livestock Fencing, Prescribed Grazing     | Sauk      | Narrows Creek<br>[070700040302]                  | 43.47186 | -90.018245 | 10/25/2022 | 12,242; 107 | FEET; ACRES | 1006  |      | 1156   | \$57,240.00  | \$57,240.00 |
|   |                               | Combo 22: Livestock Fencing, Prescribed Grazing     | Sauk      | Little Baraboo River<br>[070700040204]           | 43.56555 | -90.187225 | 11/1/2022  | 14,939; 106 | FEET; ACRES | 996   |      | 1145   | \$59,520.00  | \$59,520.00 |
|   | Lower Wisconsin<br>[07070005] | Combo 22: Livestock Fencing, Prescribed Grazing     | Sauk      | Upper Honey Creek<br>[070700050401]              | 43.3898  | -90.048758 | 7/5/2022   | 6964; 21    | FEET; ACRES | 201   | 0    | 231    | \$12,600.00  | \$12,600.00 |
| Seymour Creek   | Baraboo<br>[07070004]         | Streambank/Shoreline Protection - Rip-rapping       | Juneau    | Seymour Creek<br>[070700040103]                  | 43.70101 | -90.290326 | 3/3/2020   | 1058        | FEET        | 451   |      |        | \$53,495.00  | \$18,229.00 |
| Shawano Wolf 2021   | Wolf<br>[04030202]            | Manure Storage Systems                              | Shawano   | Pine Lake-Embarrass River<br>[040302021204]      | 44.68302 | -88.748698 | 12/15/2022 | 1           | NO.         | 264   |      |        | \$380,622.00 | \$15,691.12 |
| Taylor County MDV 2020 Part 2 (Bauer/Black River Fencing)   | Black<br>[07040007]           | Livestock Fencing                                   | Taylor    | Joe Creek-Black River<br>[070400070304]          | 45.09411 | -90.574988 | 8/20/2021  | 9660        | FEET        | 245.7 | 54.6 | 27.3   | \$16,948.15  | \$11,863.70 |
| Upper Rock Basin  | Upper Rock<br>[07090001]      | Cover Crop  | Jefferson | Town of Watertown-Rock River<br>[070900010608]   | 43.11382 | -88.628229 | 10/1/2021  | 12.5        | ACRES       | 20    |      | 1.82   | \$312.50     | \$312.50    |
|   |                               | Cover Crop  | Jefferson | Town of Watertown-Rock River<br>[070900010608]   | 43.11383 | -88.631166 | 10/1/2021  | 3           | ACRES       | 2.7   |      | 0.09   | \$75.00      | \$75.00     |
|   |                               | Cover Crop  | Jefferson | Town of Watertown-Rock River<br>[070900010608]   | 43.13411 | -88.6453   | 10/1/2021  | 27          | ACRES       | 21.6  |      | 2.47   | \$675.00     | \$675.00    |
|   |                               | Cover Crop  | Jefferson | Chub Lake-Crawfish River<br>[070900011004]       | 43.13257 | -88.847295 | 10/3/2021  | 80          | ACRES       | 80    |      | 26.447 | \$2,000.00   | \$1,230.00  |
|   |                               | Cover Crop  | Jefferson | Hahn's Lake-Rock River<br>[070900011103]         | 43.07089 | -88.827218 | 10/20/2021 | 12.6        | ACRES       | 1.26  |      | 0.003  | \$415.00     | \$415.00    |
|   |                               | Cover Crop  | Jefferson | Hahn's Lake-Rock River<br>[070900011103]         | 43.11644 | -88.839871 | 10/26/2021 | 33.9        | ACRES       | 3.39  |      | 1.06   | \$847.50     | \$847.50    |
|   |                               | Cover Crop  | Jefferson | Hahn's Lake-Rock River<br>[070900011103]         | 43.11548 | -88.836051 | 10/26/2021 | 11.1        | ACRES       | 1.11  |      | 0.54   | \$277.50     | \$277.50    |

|                         |                       |                                 |           |   |          |            |            |       |       |        |      |        |             |            |
|-------------------------|-----------------------|---------------------------------|-----------|---|----------|------------|------------|-------|-------|--------|------|--------|-------------|------------|
|                         |                       | Cover Crop                      | Jefferson | Chub Lake-Crawfish River [070900011004]                 | 43.13664 | -88.843921 | 10/26/2021 | 6.1   | ACRES | 1.22   |      | 0.057  | \$152.50    | \$152.50   |
|                         |                       | Cover Crop                      | Jefferson | Chub Lake-Crawfish River [070900011004]                 | 43.15792 | -88.843803 | 10/26/2021 | 3.8   | ACRES | 0.76   |      | 0.075  | \$95.00     | \$95.00    |
|                         |                       | Cover Crop                      | Jefferson | Chub Lake-Crawfish River [070900011004]                 | 43.15775 | -88.846358 | 10/26/2021 | 8.5   | ACRES | 7.65   |      | 0.191  | \$212.50    | \$212.50   |
|                         |                       | Cover Crop                      | Jefferson | Chub Lake-Crawfish River [070900011004]                 | 43.14133 | -88.859937 | 11/1/2021  | 25    | ACRES | 2.5    |      | 0.27   | \$625.00    | \$625.00   |
|                         |                       | Cover Crop                      | Jefferson | Chub Lake-Crawfish River [070900011004]                 | 43.13786 | -88.852633 | 11/1/2021  | 25.8  | ACRES | 2.58   |      | 0.67   | \$645.00    | \$645.00   |
| Walworth County 2021    | Upper Fox [07120006]  | Cover Crop                      | Walworth  | Silver Lake-Sugar Creek [071200060402]                  | 42.71414 | -88.576425 | 10/12/2022 | 70    | ACRES | 44     |      | 23     | \$2,100.00  | \$2,100.00 |
|                         |                       | Waterway Systems                | Walworth  | Silver Lake-Sugar Creek [071200060402]                  | 42.69263 | -88.531055 | 5/12/2021  | 1     | ACRES | 3.4    |      | 34     | \$4,603.90  | \$3,222.73 |
| Waupaca MDV 2020        | Wolf [04030202]       | Water & Sediment Control Basins | Waupaca   | Shaw Creek-Little Wolf River [040302021703]             | 44.54829 | -88.903386 | 12/21/2020 | 1     | NO.   | 19.9   | 51.8 | 32.4   | \$15,527.58 | \$6,143.32 |
| Waushara MDV 2019       | Wolf [04030202]       | Riparian Buffers                | Waushara  | Carpenter Creek [040302022002]                          | 44.17376 | -89.113381 | 8/26/2019  | .5    | ACRES | 1.05   | 0    | 0.7    | \$462.00    | \$462.00   |
| Wood County BR-19 & 20  | Black [07040007]      | Cover Crop                      | Clark     | Tomas Creek-East Fork of the Black River [070400070602] | 44.5822  | -90.318283 | 11/3/2021  | 39.4  | ACRES | 0      | 0    | 24.36  | \$1,407.14  | \$985.00   |
|                         |                       | Residue Management              | Clark     | Cunningham Creek [070400070904]                         | 44.57912 | -90.35483  | 11/8/2021  | 16.4  | ACRES | 71.24  | 0    | 49.2   | \$433.43    | \$303.40   |
|                         |                       | Residue Management              | Clark     | Cunningham Creek [070400070904]                         | 44.57996 | -90.35248  | 11/8/2021  | 24    | ACRES | 104.25 | 0    | 72     | \$634.29    | \$444.00   |
|                         |                       | Residue Management              | Clark     | Cunningham Creek [070400070904]                         | 44.57819 | -90.347928 | 11/8/2021  | 18.4  | ACRES | 55.37  | 0    | 55.2   | \$486.29    | \$340.40   |
|                         |                       | Residue Management              | Clark     | Cunningham Creek [070400070904]                         | 44.5827  | -90.348759 | 11/8/2021  | 19.9  | ACRES | 86.44  | 0    | 59.7   | \$525.93    | \$368.15   |
|                         |                       | Residue Management              | Clark     | Cunningham Creek [070400070904]                         | 44.57979 | -90.357564 | 11/8/2021  | 11.7  | ACRES | 45.8   | 0    | 46.8   | \$309.21    | \$216.45   |
|                         |                       | Cover Crop                      | Wood      | Tomas Creek-East Fork of the Black River [070400070602] | 44.58115 | -90.314612 | 11/3/2021  | 31.1  | ACRES | 31.1   | 0    | 25.02  | \$1,110.71  | \$777.50   |
|                         |                       | Cover Crop                      | Wood      | Tomas Creek-East Fork of the Black River [070400070602] | 44.58785 | -90.307022 | 11/3/2021  | 102.7 | ACRES | 205.4  | 0    | 168.49 | \$3,667.86  | \$2,567.50 |
|                         |                       | Cover Crop                      | Wood      | Rocky Creek [070700031104]                              | 44.58117 | -90.29061  | 11/3/2021  | 102.5 | ACRES | 0      | 0    | 0      | \$3,660.71  | \$2,562.50 |
|                         |                       | Residue Management              | Wood      | Tomas Creek-East Fork of the Black River [070400070602] | 44.59348 | -90.301372 | 11/8/2021  | 26.8  | ACRES | 202.75 | 0    | 241.2  | \$708.29    | \$495.80   |
|                         |                       | Residue Management              | Wood      | Rocky Creek [070700031104]                              | 44.59719 | -90.301218 | 11/8/2021  | 35.1  | ACRES | 132.81 | 0    | 140.4  | \$927.64    | \$649.35   |
| Wood County LDB - 19&20 | Lake Dubay [07070002] | Cover Crop                      | Wood      | Bear Creek [070700021705]                               | 44.64961 | -89.977682 | 10/29/2020 | 15.7  | ACRES | 0      | 0    | 4.71   | \$560.71    | \$392.50   |

|                            |                           |                    |         |                                     |          |            |            |       |       |       |   |        |            |            |
|----------------------------|---------------------------|--------------------|---------|-------------------------------------|----------|------------|------------|-------|-------|-------|---|--------|------------|------------|
|                            |                           | Cover Crop         | Wood    | Bear Creek<br>[070700021705]        | 44.65665 | -89.982831 | 10/29/2020 | 2     | ACRES | 2     | 0 | 0.2    | \$71.43    | \$50.00    |
|                            |                           | Cover Crop         | Wood    | Bear Creek<br>[070700021705]        | 44.65137 | -89.982034 | 10/29/2020 | 21    | ACRES | 21    | 0 | 6.3    | \$750.00   | \$525.00   |
|                            |                           | Cover Crop         | Wood    | Bear Creek<br>[070700021705]        | 44.64635 | -89.902067 | 12/11/2020 | 11.1  | ACRES | 62.4  | 0 | 47.98  | \$396.43   | \$277.50   |
|                            |                           | Residue Management | Wood    | Bear Creek<br>[070700021705]        | 44.64635 | -89.902067 | 7/7/2021   | 11.1  | ACRES | 66.6  | 0 | 16.98  | \$293.36   | \$205.35   |
|                            |                           | Residue Management | Wood    | Bear Creek<br>[070700021705]        | 44.64153 | -89.898017 | 7/7/2021   | 5.8   | ACRES | 0     | 0 | 0.57   | \$153.29   | \$107.30   |
|                            |                           | Residue Management | Wood    | Bear Creek<br>[070700021705]        | 44.63912 | -89.899386 | 7/7/2021   | 18.7  | ACRES | 93.5  | 0 | 16.99  | \$494.21   | \$345.95   |
|                            |                           | Residue Management | Wood    | Bear Creek<br>[070700021705]        | 44.64096 | -89.913974 | 7/7/2021   | 19.8  | ACRES | 59.4  | 0 | 8      | \$523.29   | \$366.30   |
|                            |                           | Residue Management | Wood    | Bear Creek<br>[070700021705]        | 44.64095 | -89.908828 | 7/7/2021   | 18.5  | ACRES | 55.5  | 0 | 8      | \$488.93   | \$342.25   |
|                            |                           | Residue Management | Wood    | Bear Creek<br>[070700021705]        | 44.64238 | -89.905057 | 7/7/2021   | 1.7   | ACRES | 0     | 0 | 0.47   | \$44.93    | \$31.45    |
|                            |                           | Residue Management | Wood    | Bear Creek<br>[070700021705]        | 44.64211 | -89.902712 | 7/7/2021   | 2.1   | ACRES | 0     | 0 | 0.38   | \$55.50    | \$38.85    |
|                            |                           | Residue Management | Wood    | Bear Creek<br>[070700021705]        | 44.63109 | -89.917872 | 7/7/2021   | 11.1  | ACRES | 0     | 0 | 0.38   | \$293.36   | \$205.35   |
| Wood County<br>MDV 19 & 20 | Castle Rock<br>[07070003] | Residue Management | Portage | Middle Mill Creek<br>[070700030202] | 44.59271 | -89.843884 | 7/2/2021   | 12.2  | ACRES | 12.2  | 0 | 18     | \$322.43   | \$225.70   |
|                            |                           | Residue Management | Portage | Middle Mill Creek<br>[070700030202] | 44.5845  | -89.84212  | 7/2/2021   | 15.1  | ACRES | 60.4  | 0 | 58.22  | \$399.07   | \$279.35   |
|                            |                           | Residue Management | Portage | Middle Mill Creek<br>[070700030202] | 44.59203 | -89.838778 | 7/2/2021   | 16.4  | ACRES | 49.2  | 0 | 33.37  | \$433.43   | \$303.40   |
|                            |                           | Residue Management | Portage | Middle Mill Creek<br>[070700030202] | 44.58454 | -89.835833 | 7/2/2021   | 16.9  | ACRES | 50.7  | 0 | 38.89  | \$446.64   | \$312.65   |
|                            |                           | Cover Crop         | Wood    | Rocky Creek<br>[070700031104]       | 44.60254 | -90.27353  | 11/3/2021  | 76.9  | ACRES | 153.7 | 0 | 130.39 | \$2,746.43 | \$1,922.50 |
|                            |                           | Cover Crop         | Wood    | Rocky Creek<br>[070700031104]       | 44.59559 | -90.273721 | 11/3/2021  | 91.5  | ACRES | 274.5 | 0 | 148.83 | \$3,267.86 | \$2,287.50 |
|                            |                           | Cover Crop         | Wood    | Rocky Creek<br>[070700031104]       | 44.58655 | -90.282549 | 11/3/2021  | 49.3  | ACRES | 98.6  | 0 | 16.67  | \$1,760.71 | \$1,232.50 |
|                            |                           | Cover Crop         | Wood    | Rocky Creek<br>[070700031104]       | 44.59027 | -90.27503  | 11/3/2021  | 40.9  | ACRES | 81.8  | 0 | 32.52  | \$1,460.71 | \$1,022.50 |
|                            |                           | Cover Crop         | Wood    | Middle Mill Creek<br>[070700030202] | 44.60015 | -89.924879 | 12/8/2021  | 54.8  | ACRES | 53.3  | 0 | 35.2   | \$1,957.14 | \$1,370.00 |
|                            |                           | Cover Crop         | Wood    | Middle Mill Creek<br>[070700030202] | 44.58718 | -89.878336 | 12/8/2021  | 53.1  | ACRES | 0     | 0 | 0      | \$1,896.43 | \$1,327.50 |
|                            |                           | Cover Crop         | Wood    | Middle Mill Creek<br>[070700030202] | 44.54236 | -89.857308 | 12/8/2021  | 38.92 | ACRES | 38.7  | 0 | 48.7   | \$1,390.00 | \$973.00   |
|                            |                           | Cover Crop         | Wood    | Middle Mill Creek<br>[070700030202] | 44.60119 | -89.893192 | 12/8/2021  | 18    | ACRES | 53.7  | 0 | 11.4   | \$642.86   | \$450.00   |
|                            |                           | Cover Crop         | Wood    | Middle Mill Creek<br>[070700030202] | 44.59905 | -89.893201 | 12/8/2021  | 11.25 | ACRES | 45    | 0 | 21.1   | \$401.79   | \$281.25   |
|                            |                           | Residue Management | Wood    | Middle Mill Creek<br>[070700030202] | 44.59037 | -89.852786 | 7/2/2021   | 14.5  | ACRES | 14.5  | 0 | 5.67   | \$383.21   | \$268.25   |
|                            |                           | Residue Management | Wood    | Middle Mill Creek<br>[070700030202] | 44.58554 | -89.847811 | 7/2/2021   | 33    | ACRES | 264   | 0 | 201.58 | \$872.14   | \$610.50   |
|                            |                           | Residue Management | Wood    | Middle Mill Creek<br>[070700030202] | 44.58079 | -89.847907 | 7/2/2021   | 11.2  | ACRES | 67.2  | 0 | 17.94  | \$296.00   | \$207.20   |
|                            |                           | Residue Management | Wood    | Middle Mill Creek<br>[070700030202] | 44.58324 | -89.848601 | 7/2/2021   | 17.9  | ACRES | 143.2 | 0 | 108.49 | \$473.07   | \$331.15   |
|                            |                           | Residue Management | Wood    | Middle Mill Creek<br>[070700030202] | 44.58971 | -89.850246 | 7/2/2021   | 2     | ACRES | 2     | 0 | 0.78   | \$52.86    | \$37.00    |
|                            |                           | Residue Management | Wood    | Middle Mill Creek<br>[070700030202] | 44.58863 | -89.852871 | 7/2/2021   | 21.9  | ACRES | 0     | 0 | 8.56   | \$578.79   | \$405.15   |
|                            |                           | Residue Management | Wood    | Middle Mill Creek<br>[070700030202] | 44.58857 | -89.8477   | 7/2/2021   | 21.8  | ACRES | 65.4  | 0 | 28.19  | \$576.14   | \$403.30   |

|  |                    |      |   |          |            |           |      |       |        |   |       |            |            |
|--|--------------------|------|---|----------|------------|-----------|------|-------|--------|---|-------|------------|------------|
|  | Residue Management | Wood | Middle Mill Creek<br>[070700030202]                   | 44.58201 | -89.848805 | 7/2/2021  | 16.1 | ACRES | 112.7  | 0 | 97.58 | \$425.50   | \$297.85   |
|  | Residue Management | Wood | South Branch of<br>the Yellow River<br>[070700031102] | 44.60076 | -90.289726 | 11/8/2021 | 56.6 | ACRES | 97.21  | 0 | 56.6  | \$1,495.86 | \$1,047.10 |
|  | Residue Management | Wood | Rocky Creek<br>[070700031104]                         | 44.59354 | -90.289832 | 11/8/2021 | 23.4 | ACRES | 177.03 | 0 | 140.4 | \$618.43   | \$432.90   |
|  | Residue Management | Wood | Rocky Creek<br>[070700031104]                         | 44.59567 | -90.29093  | 11/8/2021 | 29.2 | ACRES | 220.91 | 0 | 175.2 | \$771.71   | \$540.20   |