

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

Type of Request:

- This is the formal adaptive management request as required in s. NR 217.18(2)  
 This is a preliminary adaptive management request (to be submitted as part of facility planning.)

**Facility and Permit Information**

|   |                           |   |                          |
|---|---------------------------|---|--------------------------|
| Facility Name<br><b>City of Burlington Water Pollution Control Facility</b> |                           | WPDES Permit No.<br><b>WI -0022926-10</b> |                          |
| Facility Address<br><b>2100 S. Pine Street</b>                              | City<br><b>Burlington</b> | State<br><b>WI</b>                        | ZIP Code<br><b>53105</b> |
| Receiving Water<br><b>Fox River</b>   |                           |   |                          |

**Owner Contact Information**

|  |                             |                                   |  |
|--|-----------------------------|-----------------------------------|--|
| Last Name<br><b>Hefty</b>                    | First Name<br><b>Donald</b> | MI<br><b>T</b>                    | Phone No. (incl. area code)<br><b>262-539-3646</b> |
| Street Address<br><b>2100 S. Pine Street</b> |                             | FAX Number<br><b>262-539-3648</b> |  |
| City<br><b>Burlington</b>                    | State<br><b>WI</b>          | ZIP Code<br><b>53105</b>          | Email address<br><b>dhefty@burlington-wi.gov</b>   |

**Facility Information**

Provide listed information for each lagoon or pond basin

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

**Facility Operation and Performance**

- Current P removal capability** – If the facility is currently required by a WPDES permit to monitor effluent phosphorus (P) provide a summary of the influent and effluent annual average P concentrations for each of the past three (3) years. If permit required P data is not available, the applicant should provide any other P data that may be applicable and available. If no data is available, the Department may estimate the P effluent concentration by based on data from other similar facilities.

See Attached.

**Watershed Adaptive Management Request**

Form 3200-139 (1/12)

Page 2 of 3

2. **Facility Operation** – Provide a summary description of overall facility operation. If not a continuously discharging facility, describe storage procedures and the time periods when effluent discharge occurs.

See Preliminary Compliance Alternatives Plan.

3. **Previous Studies** – Reference or attach any facility planning or evaluation study that evaluated facility performance capabilities (Note – Only include studies that are recent, within 5 years, or otherwise applicable for the evaluation of the existing facility and current conditions).

See Preliminary Compliance Alternatives Plan.

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

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

| Watershed | Percent Contribution of Applicant Discharge |
|-----------|---|
|-----------|---|

Action Area (include map)

Watershed Characteristics and Timeline Justification

Key Proposed Actions

Key Goals and Measures for Determining Effectiveness

Partner(s)

**Watershed Adaptive Management Request**

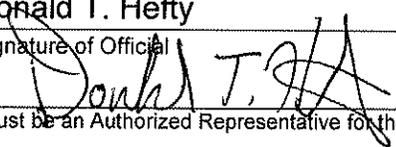
Form 3200-139 (1/12)

Page 3 of 3

Funding Sources

**Adaptive Management Request and Certification**

Based on the information provided, I am requesting the Watershed Adaptive Management option to achieve compliance with phosphorus water quality standards in accordance with s. NR 217.19, Wis. Adm. Code. I certify that the information provided with this request is true, accurate and complete to the best of my knowledge.

|   |                 |
|---|-----------------|
| Print or type name of person submitting request*                                  | Title           |
| Donald T. Hefty   | Utility Foreman |
| Signature of Official   | Date Signed     |
|  | 12/20/2018      |

\*Must be an Authorized Representative for the treatment facility

## PO4 Influent Averages

| RAW SEWAGE PO4 |      |
|----------------|------|
| Month          | MG/L |
| Nov 2015       | 2.86 |
| Dec 2015       | 2.64 |
| Jan 2016       | 2.80 |
| Feb 2016       | 2.65 |
| Mar 2016       | 2.99 |
| Apr 2016       | 2.75 |
| May 2016       | 4.00 |
| Jun 2016       | 3.55 |
| Jul 2016       | 4.09 |
| Aug 2016       | 3.63 |
| Sep 2016       | 3.58 |
| Oct 2016       | 3.59 |
| Minimum        | 2.64 |
| Maximum        | 4.09 |
| Average        | 3.26 |

| RAW SEWAGE PO4 |      |
|----------------|------|
| Month          | MG/L |
| Nov 2016       | 3.79 |
| Dec 2016       | 3.64 |
| Jan 2017       | 3.08 |
| Feb 2017       | 3.03 |
| Mar 2017       | 3.20 |
| Apr 2017       | 2.69 |
| May 2017       | 2.82 |
| Jun 2017       | 3.01 |
| Jul 2017       | 2.17 |
| Aug 2017       | 2.79 |
| Sep 2017       | 3.22 |
| Oct 2017       | 2.98 |
| Minimum        | 2.17 |
| Maximum        | 3.79 |
| Average        | 3.04 |

| RAW SEWAGE PO4 |      |
|----------------|------|
| Month          | MG/L |
| Nov 2017       | 4.59 |
| Dec 2017       | 5.14 |
| Jan 2018       | 3.38 |
| Feb 2018       | 2.99 |
| Mar 2018       | 3.38 |
| Apr 2018       | 3.07 |
| May 2018       | 2.89 |
| Jun 2018       | 3.17 |
| Jul 2018       | 2.81 |
| Aug 2018       | 3.71 |
| Sep 2018       | 3.24 |
| Oct 2018       | 2.25 |
| Minimum        | 2.25 |
| Maximum        | 5.14 |
| Average        | 3.38 |

Total Phosphorus Final Effluent Monthly Averages - Nov 2015 thru Oct 2018

| Month   | FINAL EFF PO4<br>MG/L | Month   | FINAL EFF PO4<br>MG/L | Month   | FINAL EFF PO4<br>MG/L |
|---------|-----------------------|---------|-----------------------|---------|-----------------------|
| Nov-15  | 0.53                  | Nov-16  | 0.6                   | Nov-17  | 0.463                 |
| Dec-15  | 0.538                 | Dec-16  | 0.578                 | Dec-17  | 0.36                  |
| Jan-16  | 0.618                 | Jan-17  | 0.683                 | Jan-18  | 0.533                 |
| Feb-16  | 0.558                 | Feb-17  | 0.401                 | Feb-18  | 0.677                 |
| Mar-16  | 0.711                 | Mar-17  | 0.378                 | Mar-18  | 0.563                 |
| Apr-16  | 0.653                 | Apr-17  | 0.487                 | Apr-18  | 0.52                  |
| May-16  | 0.556                 | May-17  | 0.651                 | May-18  | 0.484                 |
| Jun-16  | 0.72                  | Jun-17  | 0.54                  | Jun-18  | 0.368                 |
| Jul-16  | 0.812                 | Jul-17  | 0.364                 | Jul-18  | 0.323                 |
| Aug-16  | 0.618                 | Aug-17  | 0.432                 | Aug-18  | 0.436                 |
| Sep-16  | 0.665                 | Sep-17  | 0.292                 | Sep-18  | 0.414                 |
| Oct-16  | 0.658                 | Oct-17  | 0.337                 | Oct-18  | 0.542                 |
| Minimum | 0.53                  | Minimum | 0.292                 | Minimum | 0.323                 |
| Maximum | 0.812                 | Maximum | 0.683                 | Maximum | 0.677                 |
| Total   | 7.637                 | Total   | 5.74                  | Total   | 5.682                 |
| Average | 0.636                 | Average | 0.478                 | Average | 0.474                 |