



CITY OF CEDARBURG
A MEETING OF THE PUBLIC WORKS AND SEWERAGE COMMISSION
THURSDAY, JULY 9, 2026 – 7:00 PM

A meeting of the Public Works and Sewerage Commission, City of Cedarburg, Wisconsin, will be held on Thursday, July 9, 2026 at 7:00 PM. This meeting will be held in-person, at City Hall located at W63 N645 Washington Avenue, Cedarburg, WI., lower level, Room 2.

AGENDA

1. CALL TO ORDER
2. ROLL CALL
3. STATEMENT OF PUBLIC NOTICE
4. COMMENTS AND SUGGESTIONS FROM CITIZENS

5. APPROVAL OF MINUTES
 - A. Discussion and possible action on approval of the March 12, 2026, Public Works and Sewerage Commission meeting minutes.

6. NEW BUSINESS
 - A. Consider sludge hauling contract with Badger State Waste, LLC; and action thereon.
 - B. Consider revisions to city code Section 9-2-12, Sand and Grease Trap Installations; and action thereon.
 - C. Discussion and possible action on the Design Consultant Solicitation and Selection Proposal for the Upgrades and Expansion of the Existing Water Recycling Center.
 - D. Discussion and possible action on moving Public Works and Sewerage Meetings to the first Thursday of each month.
 - E. Discussion and possible action on annual certification of the Ethics Code.

7. REPORTS
 - A. Update on Public Works operation
 - B. Update on Water Recycling Plant operations and discussion of monthly reports
 - C. Identify future agenda items

8. ADJOURNMENT

City of Cedarburg is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, disability, age, sexual orientation, gender identity, national origin, veteran status, or genetic information.

City of Cedarburg is committed to providing access, equal opportunity and reasonable accommodation for individuals with disabilities in employment, its services, programs, and activities. To request reasonable accommodation, contact the Clerk's Office, (262) 375-7606, email: cityhall@cityofcedarburg.wi.gov.

MEMBERS – PLEASE NOTIFY CITY CLERK'S OFFICE IF UNABLE TO ATTEND THIS MEETING.



**CITY OF CEDARBURG
Public Works and Sewerage Commission
March 12, 2026
Minutes**

1. CALL TO ORDER

A meeting of the Public Works & Sewerage Commission of the City of Cedarburg, Wisconsin, was held on Thursday, March 12, 2026 at City Hall, W63 N645 Washington Avenue, lower level, room two (2).

Mayor Patricia Thome called the meeting to order at 7:00 p.m.

2. ROLL CALL

Present: Mayor Patricia Thome, Terry Wagner, Robert Simpson, Rick Verhaalen, Andrew Whaley, AJ Hester

Excused: Michael O'Keefe, Charles Schumacher

3. STATEMENT OF PUBLIC NOTICE

At Mayor Thome's request, Tracie Sette verified that notice of this meeting was provided to the public by posting in accordance with the Wisconsin Open Meetings Law.

4. APPROVAL OF MINUTES

A motion was made by Commissioner Wagner, seconded by Commissioner Simpson, to approve the February 12, 2026, meeting minutes. Motion carried without a negative vote with Commissioners O'Keefe, Dries, and Schumacher excused.

5. COMMENTS AND SUGGESTIONS FROM CITIZENS

None

6. NEW BUSINESS

A. Update on the Adaptive Management Plan for the Water Recycling Center.

A presentation on the City's Annual Adaptive Management Report was given by Jon Butt of Mead and Hunt. The report is a summary of the actions taken by the City last year, actions planned by the City next year, results from monitoring phosphorus concentrations in the Creek within the action area, progress made toward reaching the goal of the plan, and any changes being recommended to the plan. A copy of the plan is on file at the Water Recycling Center.

- B. *Consider removing Parking Prohibited Zones on the north and south side of Mill Street between Washington Avenue and Portland Road; and action thereon.*

A discussion occurred about increasing the number of parking spots on Mill Street while taking into consideration visibility and proximity to crosswalks.

A motion was made by Commissioner Verhaalen, seconded by Commissioner Simpson, to recommend to the Common Council approval of the additional parking places subject to approval from the Cedarburg Fire Department. Motion carried without a negative vote.

7. REPORTS

- A. *Update on Public Works Operation*

Public Works Superintendent Bublitz summarized the activity currently taking place in the Public Works department. His report included leaf pick up, brush pick up, pruning of trees in the downtown area, stump grinding, and dam maintenance. The department is currently working to restore the Public Works yard gates.

- B. *Update on Water Recycling Plant operations and discussion of monthly reports*

Water Recycling Center Superintendent Obry provided an update on current operations at the Water Recycling Center. Along with onboarding two new employees, crews are continuing leak repairs and aerator work on Washington Avenue. Next week, work is scheduled to begin on an easement along Sheboygan Road.

- C. *Identify future agenda items*

None

8. ADJOURNMENT

A motion was made by Commissioner Verhaalen, seconded by Commissioner Simpson, to adjourn the meeting at 7:42 p.m. Motion carried without a negative vote with Commissioners O'Keefe, Schumacher, and Dries excused.

CITY OF CEDARBURG

MEETING DATE: July 9, 2026

ITEM NO: A.

TITLE:

Consider sludge hauling contract with Badger State Waste, LLC; and action thereon.

ISSUE SUMMARY:

Staff is requesting approval of a five-year contract with Badger State Waste, LLC for the hauling, storage, and land application of biosolids generated at the Cedarburg Water Recycling Center. The agreement covers 2027-2031, with an option to extend past 2031. This contract ensures continued WDNR compliance and uninterrupted biosolids hauling.

STAFF RECOMMENDATION:

Approve

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

BUDGETARY IMPACT:

ATTACHMENTS:

1. 2027 Badget State Waste LLC SLudge Contract

INITIATED/REQUESTED BY:

Craig Obry

FOR MORE INFORMATION CONTACT:

Craig Obry, Water Recycling Center Superintendent



BADGER STATE WASTE, LLC

City of Cedarburg WWTP
PO Box 49
Cedarburg, WI 53012

January 21st, 2026

Subject: Sludge Hauling proposal for the years of 2027 thru 2031 plus an extension option.
Management, Hauling, Storage and Land Application of Treated Municipal Sludge
from the City of Cedarburg WWTP.

Badger State Waste, LLC will provide hauling, storage and land spreading of the City of Cedarburg sludge on approved Wisconsin Department of Natural Resources (WDNR) Land application sites and storage facilities in compliance with NR 204 and Badger State Waste's permit. Badger State Waste, LLC will provide all necessary equipment and trucks to transport and land-apply the sludge through injection.

All land application and management will be in compliance with Badger State Waste's WPDES permit and WDNR guidelines and requirements including Wis. Administrative Code Chapter NR 204 and federal requirements.

Badger State Waste, LLC will review all sites for suitability and complete and submit any new site request packages to the WDNR for approval prior to using the sites.

Badger State Waste, LLC will sample the soils on each site to be used once every four years as required in our permit and submit a copy to WDNR prior to using the site.

Badger State Waste, LLC will work the farmers and provide sludge nutrient information upon completion to insure all waste meets nutrient management guidelines and is applied in accordance with accepted agricultural practices and NR 204.

Badger State Waste will keep daily logs of the volume hauled and will supply them to Cedarburg WWTP. All Annual report forms, (3400-52 and 3400-55) waste summaries and calculations will be provided to Cedarburg by January 20th for the preceding year for submittal to the WDNR.

Badger State Waste, LLC will maintain waste loading and disposal areas in clean condition and prevent spills. All spills will be handled in accordance with Badger State Waste, LLCs approved spill management plan.

6588 CTY Hwy W Allenton, WI 53002
Tim 414-750-6479 tim@badgerstatewaste.com
Adam 262-224-2972 adam@badgerstatewaste.com

Badger State Waste, LLC will maintain liability and workers compensation insurance for the full duration of the contract.
Badger State Waste will add a fuel surcharge on if the price of diesel fuel exceeds \$4.00 per gallon.

There will be a storage rental fee of \$1600.00 per month which will be reviewed yearly between both parties and the farmer.

Storage available: Hwy U Goeller pit= 2 million gallons. Hwy 83 Goeller pit= 6.5 million gallons. Rate tank 500,000 gallons.

- Contract Prices are as follows:
 - o 2027 - \$.09 per gallon
 - o 2028 - \$.0925 per gallon
 - o 2029 - \$.095 per gallon
 - o 2030 - \$.10 per gallon
 - o 2031 - \$.1025 per gallon

**Contract may be extended beyond 2031 if both parties agree on price for up to five years.

Note: These prices are good for an unlimited volume of gallons hauled and land applied

Cedarburg WWTP Proposal Acceptance


Badger State Waste, LLC Signature

Date Signed

1-27-26
Date Signed

CITY OF CEDARBURG

MEETING DATE: July 9, 2026

ITEM NO: B.

TITLE:

Consider revisions to city code Section 9-2-12, Sand and Grease Trap Installations; and action thereon.

ISSUE SUMMARY:

Staff is requesting approval to revise Section 9-2-12 of the City Code relating to sand and grease trap installations. The proposed revisions remove the phrase “in excessive amounts” and add a reference to Wisconsin State Plumbing Code SPS 382.34 to align the City’s ordinance with current state plumbing code requirements and improve enforcement.

STAFF RECOMMENDATION:

Approve

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

BUDGETARY IMPACT:

ATTACHMENTS:

1. Sec. 9_2_12___ Sand_ and_ grease_ trap_ installations.
2. SPS 382.34
3. Proposed Revisions to City Code Section 9-2-12 Sand and Grease Trap Installations

INITIATED/REQUESTED BY:

Craig Obry

FOR MORE INFORMATION CONTACT:

Craig Obry, Water Recycling Center Superintendent

Sec. 9-2-12 Sand and grease trap installations.

Grease, oil, and sand interceptors shall be provided at restaurants, repair garages, gasoline, stations, car washes and other industrial or commercial establishments for the proper handling of liquid wastes containing grease in excessive amounts, oil, flammable wastes, sand and other harmful ingredients. All interceptors shall be constructed in accordance with the Wisconsin Plumbing Code and shall be located as to be readily and easily accessible for any cleaning and inspection. All grease, oil and sand interceptors shall be maintained by the owner, at his expense, in continuous, efficient operation at all times.

(10) **WATER TREATMENT DEVICES.** (a) The waste discharge of a water treatment device to the drain system shall be protected in accordance with s. SPS 382.41 with respect to cross connection control.

(b) The indirect waste piping or tubing from a water treatment device shall be of a material conforming to one or more of the standards listed in Tables 384.30-8 or 384.30-11.

Note: For appliances, devices and equipment not included in this section or other sections contact the department for information and proposed installation review.

History: Cr. Register, February, 1985, No. 350, eff. 3-1-85; r. and recr. Table 82.33-1 and (9) (g) 5., cr. (8) (c) 3., (9) (g) 6. and (k), Register, May, 1988, No. 389, eff. 6-1-88; r. and recr., (3), am. (9) (c) 1. a., (d) 2. and (g) 4., Register, August, 1991, No. 428, eff. 9-1-91; am. (8) (d) 1., 2. and (9) (g) 3. b., r. (9) (k), cr. (10), Register, February, 1994, No. 458, eff. 3-1-94; correction in (9) (i) 5., made under s. 13.93 (2m) (b) 7., Stats., Register, February, 1994, No. 458; r. and recr. (9) (f), Register, April, 1998, No. 508, eff. 5-1-98; correction in (9) (i) 5. made under s. 13.93 (2m) (b) 7., Stats., Register, April, 1998, No. 508; r. and recr. (9) (i), cr. Table 82.33-3, Register, December, 2000, No. 540, eff. 1-1-01; CR 02-002: am. (5) (a) 2., (7) (b), (9) (c) 1. b., (c), (g) 6., renum. (8) (a) 1., (9) (a) 2. and (10) to be (8) (a), (9) (a) 2. a. and (10) (a) and am. (9) (a) 2. a., r. (8) (a) 2., r. and recr. (8) (c), (d), (9) (b), (d) 1. and (i), cr. (9) (a) 2. b., (c) 1. c., and (10) (b) Register April 2003 No. 568, eff. 5-1-03; CR 02-129: am. (9) (c) 1. b., r. (9) (d) 3. and table 82.33-3, cr. (9) (k) Register January 2004 No. 577, eff. 2-1-04; CR 08-055: r. and recr. (7) (a), cr. (8) (d) 6. and 7., am. (9) (c) 1. a., b. and (f) 1., r. (9) (c) 1. c. Register February 2009 No. 638, eff. 3-1-09; correction in (8) (d) (intro.) made under s. 13.92 (4) (b) 7., Stats., Register February 2009 No. 638; CR 10-064: am. Table 82.33-2 Register December 2010 No. 660, eff. 1-1-11; correction in (1) (b), (2), (3) (intro.), (5) (a) 1., 2., (b), (9) (c) 2. a., 3. c., (f) 1., (g) 1., (k) 1., 4., (10) (a), (b) made under s. 13.92 (4) (b) 7., Stats., Register December 2011 No. 672; CR 23-006: r. and recr. Table 382.33-1, am. (6), (8) (d) (intro.), 2., 6., 7., cr. (8) (d) 8., 9., (9) (intro.), (bm), renum. (9) (c) 2. (intro.), a., b. to (9) (c) 2., 1. c., d., and am., am. (9) (c) 3. (intro.), c., Table 382.33-2 (title), (f) (title), cr. (9) (fm), am. (9) (g) (intro.), 1., (k) 3. Register September 2023 No. 813, eff. 10-1-23; correction in (8) (d) (intro.), 6., 8., 9. b., (9) (bm), (c) 2., (fm) made under s. 35.17, Stats., Register September 2023 No. 813.

SPS 382.34 Wastewater treatment and holding devices. (1) **SCOPE.** The provisions of this section set forth the requirements for design and installation of plumbing wastewater treatment and holding devices, appurtenances and systems, including but not limited to interceptors, catch basins, decontamination tanks and dilution and neutralizing basins.

(2) **MATERIALS.** All piping, devices and appliances for wastewater treatment and holding devices, appurtenances and systems shall be of approved materials in accordance with ch. SPS 384.

(3) **GENERAL.** Any deleterious waste material which is discharged into a plumbing system shall be directed to a wastewater treatment or holding device. The wastewater treatment or holding device shall be capable of separating, diluting or neutralizing the deleterious waste material to a degree that the wastewater is no longer deleterious. Wastewater treatment or holding devices that retain any waste materials shall be designed and installed to facilitate periodic removal or treatment, or both.

(a) *Treatment for reuse.* 1. Except as limited in subd. 2., graywater, storm water, clear water, blackwater and other wastewaters as approved by the department may be reused in conformance with s. SPS 382.70.

2. Except as provided in subd. 3., wastewater discharged from water closets or urinals shall not be reused for drinking water.

3. All treatment works permitted by the department of natural resources, or a POWTS which includes an in situ soil dispersal or treatment component may treat wastewater discharged from water closets or urinals for reuse.

(b) *Deleterious waste materials.* For the purpose of this subsection, deleterious waste materials include any waste material, other than that from dwelling units, which may:

1. Congeal, coagulate or accumulate in drains and sewers, thereby, creating stoppages or retarding the discharge flow;

2. Retard or interfere with municipal sewage treatment processes;

3. Pass through a treatment process and pollute the watercourse receiving the treatment effluent;

4. Create explosive, flammable, noxious, toxic or other hazardous mixtures of materials; or

5. Damage, destroy or deteriorate sewers or piping materials or structures.

Note: See ch. ATCP 93 as to flammable, combustible, and hazardous liquids.

(c) *Private systems.* The special or industrial wastes from any plumbing system shall be treated, held or dispersed in compliance with the rules of the state agency having jurisdiction. The treatment, holding or dispersal system shall be installed so as not to endanger any water supply which is or may be used or which may create a nuisance, unsanitary conditions or water pollution.

(d) *Velocity control.* Interceptors, catch basins and other similar devices shall be designed, sized and installed so that flow rates shall be developed and maintained in a manner that solid and floating materials of a harmful, hazardous or deleterious nature will be collected in the interceptor for disposal.

(e) *Maintenance.* All devices installed for the purpose of intercepting, separating, collecting, holding or treating harmful, hazardous or deleterious materials in liquid or liquid-borne wastes shall be operated and cleaned of intercepted or collected materials or of any residual from treatment at such intervals which may be required to prevent their passage through the interceptor. Grease interceptors shall be maintained on a cycle not to exceed 90 days or per manufacturer's instructions.

(f) *Service reassembly.* Any fixed orifice, vent or trap of an interceptor, catch basin or other similar device shall remain intact and shall not be removed or tampered with except for cleaning purposes. After service, all parts of the interceptor, collector or treatment device, such as baffles, weirs, orifice plates, channels, vents, traps, tops, and fastening bolts or screws shall be replaced in proper working position.

(g) *Location.* 1. Wastewater holding devices, interceptors, catch basins and other similar devices shall be accessible for service, maintenance, repair and inspection.

a. No wastewater holding device, interceptor, catch basin or similar device may be surrounded or covered as to render it inaccessible for service or inspection.

b. No wastewater holding device, interceptor, catch basin or similar device may have its top located more than 6 feet above the surrounding floor.

c. Enough space shall be provided to enable the removal of any interior parts of the wastewater holding device, interceptor, catch basin or similar device.

d. At least 18 inches of clear space shall be provided above the top of the wastewater holding device, interceptor, catch basin or similar device.

2. An exterior wastewater holding device, interceptor, catch basin or similar device shall not be located within 5 feet of a building or any portion of a building or swimming pool; 10 feet of water service; 2 feet of a lot line and 10 feet of a clearwater cistern.

3. An exterior wastewater holding device, interceptor, catch basin, or similar device shall not be located within 10 feet of the high water mark of a lake, stream, pond or flowage.

4. An exterior subsurface treatment tank holding component, or reservoir to be installed in an area subject to saturated conditions, shall be installed to effectively prevent flotation of the tank or component.

Note: The department of natural resources under chs. NR 811 and 812 may require additional setbacks. See ch. SPS 382 Appendix for further explanatory material.

(h) *Disposition of retained materials.* Deleterious waste materials retained by a wastewater holding device, interceptor, catch basin or similar device shall not be introduced into any drain, sewer or natural body of water without approval of the state agency having jurisdiction.

(4) GARAGE FLOOR AREA WASTEWATER. (a) *Garages for public buildings and facilities.* 1. Where a drain will be installed to receive the wastewater from floor areas of public buildings and facilities on which self-propelled land, air or water vehicles can be driven, the wastewater shall discharge using one of the following methods:

a. In areas where vehicles will be serviced, the wastewater shall discharge through a garage catch basin or oil interceptor connected to a municipal sewer or holding tank approved to receive industrial wastewater.

b. In areas where vehicles will be driven or stored, the wastewater shall discharge through a floor drain equipped with a solid bottom sediment bucket, garage catch basin or oil interceptor.

2. Garage catch basins design shall conform to all of the following:

a. The holding area of the catch basin shall be watertight.
b. The catch basin shall have a minimum inside diameter of 36".

c. The minimum depth of the basin shall be 24" measured from the lowest portion of the trap on the outlet of the basin.

d. The outlet of the basin shall be at least 4" in diameter and trapped with a water seal of at least 6" and constructed on the interior or exterior of the basin. Where an external trap is provided, the trap shall be within 36" of the basin.

e. Except as provided in subd. 5., the water line in the basin shall be at least 2" below all horizontal drains discharging into the basin. Where an external trap is provided, the measurement point on the horizontal drain shall be upstream of the trap.

f. The basin shall be provided with a cover at least 23 inches square or 23 inches in diameter.

g. Gravity drains from fixtures serving garage floor areas located on different floors from the basin may discharge into the basin if the drain stack carrying the wastewater is located at a distance equal to at least 20 times the inside diameter of the horizontal piping upstream of the basin.

h. Catch basins with solid covers shall be vented in accordance with sub. (8) (c).

3. Drains with traps may connect to the garage catch basin under all of the following conditions:

a. The trap shall be a minimum of 3" in diameter.
b. Except as provided in subd. 3. c., the developed length from all trap outlets to the basin shall not exceed the distance as specified in Table 382.31-1.

c. Where the maximum distance exceeds that as specified in Table 382.31-1, the trap shall be vented in accordance with s. SPS 382.31 (3) and the connection to the basin shall form a 6-inch trap seal. The trap seal may be constructed on either the interior or exterior of the basin, but within 36" of the basin.

4. Drains without traps may discharge into a garage catch basin under all of the following conditions:

a. The fixture drain shall have a minimum 4-inch inside diameter.

b. The fixture drain shall be piped with a 6-inch water seal constructed either on the interior or exterior of the basin.

c. An exterior trap shall be constructed within 36" of the basin.

d. The developed length of the fixture drain shall not exceed the distance equal to 24 times the diameter of the fixture drain.

e. Fixture drains shall individually discharge into a garage catch basin.

5. Pressurized drains from garage floor areas discharging to a garage catch basin shall conform to all of the following conditions:

a. The pressurized drain piping shall terminate inside the basin with a 6-inch submerged inlet. The termination shall be at least 12" above the floor of the basin.

b. The pressurized equipment, devices and piping shall be designed and installed to produce a maximum velocity of 2 feet per second at the point of connection to the basin.

Note: Plans for garage floor discharge-holding tanks may require plan approval by the department of natural resources.

(b) *Garages for one- and 2-family dwellings.* 1. Floor drains serving garages for one- and 2-family dwellings shall be provided with a removable solid bottom sediment basket.

Note: See ch. SPS 382 Appendix for further explanatory material.

2. a. Except as permitted in subd. 2. b., catch basins serving garages for one- and 2-family dwellings shall be designed and installed in accordance with par. (a) 2.

b. The minimum inside diameter of catch basins serving garages for one- and 2-family dwellings shall be 18 inches.

(c) *Grates for garage catch basins, floor drains and trenches.* A garage catch basin, floor drain, and trench drain shall be provided with an approved, removable grate of sufficient strength for the anticipated loads. The grate shall have an available inlet area equal to at least the outlet drain for the catch basin, floor drain or trench drain.

Note: Residential exclusion see s. SPS 325.01 (4) (c).

(5) GREASE AND OIL TREATMENT. (a) All plumbing installations for occupancies, other than dwelling units, where grease, fats, oils or similar waste products of cooking or food are introduced into the drain system shall be provided with grease and oil treatment in accordance with this subsection.

(b) *General.* 1. 'Public sewers.' All new, altered or remodeled plumbing systems which discharge to public sewers shall be provided with one or more grease interceptors.

a. Where one or more exterior grease interceptors are provided all, and only, kitchen wastes shall be discharged to an exterior interceptor.

b. Except as required in subd. 1. c. or d., where one or more interior grease interceptors are provided the wastes from a food waste grinder, a sanitizing compartment of a sink or a rinse compartment of a sink, may bypass the interceptor or interceptors.

c. The wash compartment of a scullery sink shall discharge through a grease interceptor.

d. The pre-wash compartment not discharging through a garbage disposal shall discharge through a grease interceptor.

2. 'Private onsite wastewater treatment systems.' All new, altered, or remodeled plumbing systems which discharge to private onsite wastewater treatment systems shall be provided with grease interceptors of sufficient capacity to ensure compliance with s. SPS 383.44 (2).

a. Except as provided in subd. 2. b., only kitchen and food wastes shall be discharged to an exterior grease interceptor.

b. For remodeling, when it is not practicable to separate kitchen and toilet wastes, combined kitchen wastes and toilet wastes may be discharged directly to a private onsite wastewater treatment component tank or tanks which conform to par. (c). The required capacity of a grease interceptor shall be added to the required septic tank capacity as specified in ch. SPS 383.

c. For holding tank installations, the combined kitchen and toilet wastes may discharge directly to a holding tank where the

location accepting the pumpage from the tank provides written acceptance of the combined waste to the department.

3. 'Existing installations.' The department or authority having jurisdiction may require the installation of any treatment device deemed necessary by the department or authority having jurisdiction for existing plumbing installations where the waterway of a drain system, sewer system, or private onsite wastewater treatment system is reduced or filled due to grease.

(c) *Exterior grease interceptors.* Exterior grease interceptors shall receive the entire greasy waste discharge from kitchens or food processing areas. All exterior interceptors shall be designed and constructed in accordance with this paragraph, so as to constitute an individual structure.

1. 'Design.' a. The liquid depth of the interceptor shall not be less than 42" nor more than an average of 72".

b. A rectangular interceptor tank shall have a minimum width of 36" and a minimum length of 72". The longest dimension of the tank shall be parallel to the direction of waste flow.

c. A horizontal-cylindrical interceptor tank shall have a minimum inside diameter of 52" and a minimum length of 72". The longest dimension of the tank shall be parallel to the direction of waste flow.

d. Vertical-cylindrical interceptor tanks shall have a minimum inside diameter of 72".

e. Each prefabricated interceptor tank shall be clearly marked to indicate liquid capacity and the name and address or registered trademark of the manufacturer. The markings shall be impressed into or embossed onto the outside wall of the tank immediately above the outlet opening. Each site-constructed concrete tank shall be clearly marked at the outlet opening to indicate the liquid capacity. The marking shall be impressed into or embossed onto the outside wall of the tank immediately above the outlet opening.

f. The inlet and outlet openings of interceptor tanks or tank compartments shall be provided with, open-end sanitary tee fittings or baffles, so designed and constructed as to distribute the flow and retain the grease in the tank or tank compartments. The sanitary tee fittings or baffles shall extend at least 6" above the liquid level. At least 2" of clear space shall be provided above the top of the sanitary tee fittings or baffles. The sanitary tee fitting or baffle at the inlet opening shall extend below the liquid level of the tank a distance equal to $\frac{1}{4}$ of the total liquid depth. The sanitary tee fitting or baffle at the outlet opening shall extend below the liquid level of the tank a distance equal to $\frac{2}{3}$ of the total liquid depth. The waterline in the interceptor shall be at least 2" below the horizontal drain discharging to the interceptor.

g. Any new or replacement exterior grease interceptor shall have at least two compartments. Each compartment of an interceptor tank shall be provided with at least one manhole opening located over either the inlet or outlet opening. Additional manhole openings shall be provided such that no interior compartment wall of a tank is more than 4 feet from the edge of the manhole opening. The distance between manhole openings serving the same compartment may not exceed 8 feet. Manhole openings shall be not less than 23 inches in the least dimension. Manholes shall terminate at or above ground surface and be of approved materials. Steel tanks shall have a minimum 2-inch collar for the manhole extensions permanently welded to the tank. The manhole extension on fiberglass tanks shall be of the same material as the tank and an integral part of the tank. The collar shall have a minimum height of 2 inches.

h. Manhole risers for interceptor tanks shall be provided with a substantial, fitted, watertight cover of concrete, steel, cast iron or other approved material. Manhole covers shall terminate at or above grade and shall have an approved locking device.

i. A minimum 4 × 6 inch permanent label shall be affixed to the manhole cover, identifying the interceptor tank with the words GREASE INTERCEPTOR. Where the tank acts as the septic tank and grease interceptor the label shall identify it as such. The wording used on the warning label shall be approved by the department, as part of the materials approval for the tank under ch. SPS 384.

j. An inlet or outlet opening which does not have a manhole opening as specified in subd. 1. g. shall be provided with an airtight inspection opening located over the inlet or outlet. The inspection opening shall be at least 4" in diameter. The inspection opening shall terminate at or above grade.

Note: See ch. SPS 382 Appendix for further explanatory material.

2. 'Capacity and sizing.' The minimum liquid capacity of a grease interceptor shall be determined in accordance with the provisions of this subdivision, except no grease interceptor may have a capacity of less than 1000 gallons if the interceptor is to discharge to a private onsite wastewater treatment system or less than 750 gallons if the interceptor is to discharge to a municipal sewer system and treatment facility.

a. The minimum capacity of a grease interceptor serving a restaurant with seating shall be equal to C, where

$$C = S \times H \times A$$

where, S = Number of seats, with each drive-in car service space counting as 3 seats and each drive-up service window counting as 60 seats.

H = Hours per day that meals are served, at least 6 hours but not more than 12 hours.

A = Appliance factor:

0.75 for a kitchen with no dishwashing machine and no food waste grinder.

1.0 for a kitchen with either a dishwashing machine or a food waste grinder.

1.25 for a kitchen with both a dishwashing machine and a food waste grinder.

b. The minimum capacity of a grease interceptor serving a dining hall, hospital, nursing home, school kitchen, church kitchen or a kitchen for carryout or delivery service shall be equal to C, where:

$$C = \frac{M \times G \times H}{2 \times P}$$

where, M = Meals served per day.

G = 3 gallons per meal served.

H = Hours per day that meals are served, at least 6 hours but not more than 12 hours.

P = Meal periods per day; 1, 2 or 3.

c. The minimum capacity of a grease interceptor as determined in subd. 2. a. or b. may be halved for establishments with all paper service, but may not be less than 1000 gallons if the interceptor is to discharge to a private sewage system or less than 750 gallons if the interceptor is to discharge to a municipal sewer system and treatment facility.

3. 'Installation.' a. Grease interceptor tanks may not be located within 5 feet of a building or any portion of the building or swimming pool; 10 feet of a water service; 2 feet of a lot line; 10 feet of a cistern or 10 feet of a reservoir or high water mark of a lake, stream, pond or flowage.

Note: The department of natural resources under chs. NR 811 and 812 may require additional setbacks. See ch. SPS 382 Appendix for further explanatory material.

b. Where a grease interceptor tank is installed in groundwater, the tank shall be adequately anchored.

c. Grease interceptor tanks shall be installed on a bedding of at least 3" in depth. The bedding material shall be sand, gravel, granite, limerock or other noncorrosive materials of a size that all will pass through a $\frac{3}{4}$ " sieve.

d. The backfill material for steel and fiberglass grease interceptor tanks shall be as specified in subd. 3. c. for bedding and shall be tamped into place. The backfill material for concrete grease interceptor tanks shall be soil material, of a size that will pass through a 4 inch screen and shall be tamped into place.

e. All joints on concrete risers and manhole covers for a grease interceptor shall be tongue and groove or shiplap type and sealed watertight using neat cement, mortar or bituminous compound. All joints on steel risers for a grease interceptor shall be welded or flanged and bolted and be watertight. All steel manhole extensions from a grease interceptor shall be bituminous coated inside and outside. All methods of attaching fiberglass risers for a grease interceptor shall be watertight and approved by the department.

Note: See ch. SPS 382 Appendix A-382.30 (11) (d) for material reprinted from s. NR 812.08. Section NR 812.08 may have additional setback requirements to wells.

(d) *Interior grease interceptors.* 1. 'Flow rating.' An interior grease interceptor shall be capable of accommodating a flow of at least 15 gallons per minute, but not less than the manufacturer's specifications.

2. 'Flow rate related to connected capacity.' Three-fourths of the total holding capacity in gallons of all fixtures and devices discharging to an interior grease interceptor, shall not exceed the value of the maximum flow rate which the interceptor can accommodate.

3. 'Grease holding capacity as related to flow rate.' The grease holding capacity in pounds shall not be less than double the value of the maximum flow rate which the interceptor can accommodate.

4. 'Flow controls.' Where required by the manufacturer, devices which control the rate of flow through an interior grease intercept shall be installed.

a. The flow control devices shall be accessible for inspection, service and cleaning.

b. Flow controls shall be installed in the drain branch leading to each fixture and shall be so rated that the combined flow from all combinations of discharge will not develop either sufficient static or velocity head so the established flow rate of the interceptor can be exceeded.

Note: See ch. SPS 382 Appendix for further explanatory material.

5. 'Flow control vents.' Orifice type flow controls for an interior grease interceptor shall be vented in accordance with s. SPS 382.31.

6. 'Prohibited locations and types.' No water-cooled grease interceptor may be installed. No grease interceptor may be located where the surrounding temperatures, under operating conditions, are less than 40° F.

7. 'Horizontal inlet requirements.' A maximum of 12 inches of horizontal inlet pipe may be submerged.

8. 'Sizing calculations for greasy wok waste.' For calculating greasy waste for a wok, the following formula may be used:

$$\frac{\text{diameter} \times \text{diameter} \times .7854 \times \text{depth} \times .65 \times .75}{231}$$

(e) *Prohibited treatment.* The introduction of grease or fat emulsifiers into a grease interceptor shall be prohibited.

(6) **AUTOMATIC CAR WASHES.** The wastes of floor drains and drain inlets of automatic car washes shall discharge through an approved car wash interceptor.

(a) *Design.* Except as provided in subds. 1. and 2. and par. (b), car wash interceptors shall be constructed and installed in accordance with sub. (4) (a) 2.

1. The interceptor's outlet shall be submerged to form a trap with a water seal of at least 15".

2. The bottom of the trap's water seal shall be at least 30" above the bottom of the interceptor.

(b) *Capacity.* The minimum liquid capacity of the interceptor shall be based on the maximum flow rate of water through the interceptor in gallons per minute.

1. Between the waterline and the bottom of the trap seal of the outlet, the interceptor shall have a capacity value equal to at least 5 times the maximum flow rate.

2. Below the bottom of the trap seal of the outlet, the interceptor shall have a capacity value equal to at least 15 times the maximum flow rate.

Note: See ch. SPS 382 Appendix for further explanatory material.

(c) *Hand-held car washing wands.* The wastes of floor drains and drain inlets serving 2 or more hand-held car washing wands shall discharge through an approved car wash interceptor. The wastes of one hand-held car washing wand may discharge to a garage catch basin.

(7) **COMMERCIAL LAUNDRIES.** Wastes from gravity dump-type clothes washing equipment shall be discharged through an approved laundry interceptor in accordance with this subsection.

(a) *Screening apparatus.* A laundry interceptor shall be equipped with a wire basket or other device which will prevent the passage of solids, $\frac{1}{2}$ " or larger in diameter, string, buttons and other detrimental materials into the drain system.

(b) *Trench type interceptors.* A floor receptor, trench or trough as specified in s. SPS 382.33 (9) (c) 3., may serve as a laundry interceptor, if no oils or quantities of sand are discharged into it.

Note: See ch. SPS 382 Appendix for further explanatory material.

(c) *In-line interceptor.* 1. In-line interceptors shall have a minimum inside diameter or horizontal dimension of 24".

2. An in-line interceptor shall be provided with an air-tight cover.

3. An in-line interceptor shall be provided with a vent.

a. The vent shall extend from above the flow line to a vent terminal in accordance with s. SPS 382.31 (16) or shall be connected to the venting system serving the sanitary drain system.

b. The diameter of the vent shall be at least one-half of the diameter of the interceptor's outlet, but not less than 2".

4. The outlet for an in-line interceptor shall be at least 4" in diameter. The outlet shall be submerged to form a trap with a water seal of at least 12". The bottom of the trap's water seal shall be at least 12" above the bottom of the interceptor.

5. The waterline in an in-line interceptor shall be at least 2" below the bottom of the inlet opening for the interceptor.

(8) **OIL AND FLAMMABLE LIQUIDS.** Oily and flammable wastewater that discharges to a building sewer shall be intercepted or treated by a means acceptable to the department.

(a) *Site-constructed interceptors.* Site-constructed interceptors shall be designed in accordance with the requirements in sub. (4) (a) 2.

(b) *Prefabricated oil interceptors and separators.* Prefabricated oil interceptors and separators shall be manufactured with adequate capacity for the anticipated load.

(c) *Venting.* Oil and flammable interceptors and separators shall be so designed to prevent the accumulation of explosive gases.

1. A covered interceptor or separator shall be provided with an individual vent of at least 3 inches in diameter. The vent shall extend from the top of the interceptor or separator or as high as possible, from the side of the interceptor or separator to a point at least 12 feet above grade.

2. The drain pipe to the interceptor or separator shall be provided with a fresh air inlet connected within 2 feet of the inlet of the interceptor or separator. The fresh air inlet shall terminate at least one foot above grade, but not less than 6 feet below the terminating elevation of the vent serving the interceptor or separator. The fresh air inlet shall be at least 3 inches in diameter.

Note: See ch. SPS 382 Appendix for further explanatory material.

(9) BOTTLING ESTABLISHMENTS. Wastes containing glass of bottling establishments shall be discharged through an interceptor.

(10) DAIRY PRODUCT PROCESSING PLANTS. Dairy wastes from dairy product processing plants shall be discharged through an interceptor.

(11) MEAT PROCESSING PLANTS AND SLAUGHTERHOUSES. The wastes from meat processing areas, slaughtering rooms and meat dressing rooms shall be discharged through an approved interceptor to prevent the discharge of feathers, entrails, blood and other materials.

(12) SAND INTERCEPTORS. Sand interceptors and other similar interceptors for heavy solids shall be so designed and located as to be accessible for cleaning. The outlet for the interceptor shall be submerged to form a trap with a water seal of at least 12".

(13) PLASTER AND HEAVY SOLIDS TRAP TYPE INTERCEPTORS. Plaster sinks shall be provided with plaster and heavy solids trap type interceptors.

(a) The interceptor shall be installed as the fixture trap.

(b) The drain piping between the sink and the interceptor shall not exceed a length of 36".

Note: See ch. SPS 382 Appendix for further explanatory material.

(14) CHEMICAL WASTE PIPING SYSTEMS. All chemical wastes having a pH level of less than 5.5 or more than 10.0 shall discharge to a holding tank for proper disposal or to a drain system in accordance with this subsection.

(a) *Chemical dilution and neutralizing basins.* 1. All chemical wastes discharging into a drain system shall be diluted, neutralized or treated to a pH level of 5.5 to 10.0 by passing through an approved dilution or neutralizing basin before discharging to a building sewer.

2. Dilution and neutralizing basins shall have the minimum retention capacities in accordance with one of the following requirements:

a. The minimum retention capacity shall be as specified in Table 382.34.

b. The minimum retention capacity shall be as per the manufacturer's specifications.

c. The minimum retention capacity for a quantity exceeding 150 sinks or for special uses or installations shall be approved by the department.

3. Where a sufficient supply of diluting water cannot be provided to a dilution or neutralizing basin, the basin shall be filled with marble or limestone chips of not less than one inch nor more than 3" in diameter to the level of the basin's outlet.

4. Either the inlet or outlet of a dilution or neutralizing basin shall be submerged to form a trap with a water seal of at least 4".

Table 382.34
Minimum Capacities for Dilution and Neutralizing Basins

Maximum Number of Sinks	Minimum Retention Capacity in Gallons
1	5
4	15
8	30
16	55
25	100
40	150
60	200
75	250
100	350
150	500

(b) *Vents.* Vents for chemical waste systems shall be sized and installed in accordance with all of the following:

1. Dilution and neutralizing basins with submerged inlets shall have a sanitary vent connected to the basin and a chemical waste vent connected to the inlet pipe. The pitch and the developed length of the drain between the submerged basin inlet and the chemical waste vent shall be in accordance with Table 382.31-1.

2. Dilution and neutralizing basins with submerged outlets shall have a chemical waste vent connected to the basin and a sanitary vent connected to the outlet pipe. The pitch and the developed length of the drain between the submerged basin outlet and the sanitary vent shall be in accordance with Table 382.31-1.

Note: See ch. SPS 382 Appendix for further explanatory material.

3. The vents for a chemical waste basin shall be sized based on the number of drainage fixture units discharging into the basin and installed in accordance with s. SPS 382.31.

(15) SPECIAL WASTEWATER OR MIXED WASTEWATER TREATMENT OR CONTAINMENT DEVICES. Mixed wastewater treatment and containment devices, decontamination tanks or other special wastewater treatment devices shall discharge to a dispersal or treatment system in accordance with this section or as approved by the department.

Note: A sanitary permit may be required. See ch. SPS 383 for requirements relating to containment tank installation with no valved discharge.

(a) *Installation.* 1. Exterior containment devices or treatment systems for mixed wastewater, decontamination tanks and other special wastewater treatment devices shall not be located within 5 feet of a building or any portion of the building or swimming pool; 10 feet of a water service; 2 feet of a lot line; 10 feet of a clearwater cistern or 10 feet of the high water mark of a lake, stream, pond or flowage.

Note: The department of natural resources under chs. NR 811 and 812 may require additional setbacks. See ch. SPS 382 Appendix for further explanatory material.

2. Containment devices or treatment systems for mixed wastewater, decontamination tanks, or other special wastewater treatment devices shall be constructed in accordance with s. SPS 384.25 or as approved by the department.

(b) *Vents.* Vents for mixed wastewater, decontamination tanks and other special wastewater treatment systems shall be sized and installed in accordance with s. SPS 382.31.

(c) *Alarm system.* Containment devices or treatment systems for mixed wastewater, decontamination tanks and other special wastewater treatment devices shall be equipped with an alarm.

(d) *Sampling provision.* Containment devices or treatment systems for mixed wastewater, decontamination tanks and other special wastewater treatment devices shall be equipped to allow the collection of a representative sample.

(e) *Pump requirements.* 1. A discharge line serving a containment tank for servicing purposes shall comply with all of the following:

- a. A pipe serving as the discharge line shall be of an acceptable type in accordance with ch. SPS 384.
- b. A discharge line shall terminate with a service port consisting of a quick disconnect fitting with a removable plug.
- c. The service port of a discharge line shall terminate at least 2 feet above final grade.
- d. The service port of a discharge line shall be identified as such with a permanent sign with lettering at least 1/2 inch in height.
- e. The service port of a discharge line shall be secured to a permanent support that is capable of withstanding the loads and forces placed on the port.
- f. A discharge line shall be at least 3 inches in diameter.

Note: The requirements in s. SPS 382.34 (15) (c) 1. apply to all discharge lines whether gravity or pump discharge. See ch. SPS 382 Appendix for further information.

2. Where a lift station is employed for servicing a containment tank, the pump discharge line shall conform with subd. 1., except as provided in subd. 2. a. and b.

- a. A discharge line from the lift station shall be at least 2 inches in diameter.
- b. The lift station pump shall be activated by means of a keyed-switch at the service port.

(f) *Sizing.* The volume of the mixed wastewater treatment or containment device shall be based on anticipated use.

(g) *Vacuum relief.* A vacuum relief valve shall be installed in each water treatment appliance and installed more than 20 feet above any faucet or outlet served by the appliance when measured from the bottom of the tank.

(h) *Wastewater retention.* Where a containment tank has an outlet that is connected to a drain system, the outlet shall include a means to contain the wastewater from entering the drain system until proven to be safe for discharge.

History: Cr. Register, February, 1985, No. 350, eff. 3-1-85; am. (4) (a) 2. b., (5) (b) 2. intro., c. and (c) 4. b., Register, August, 1991, No. 428, eff. 9-1-91; am. (4) (a) 2. c. and g., 3. a., (5) (b) 1. f. and j., 3. a., (c) 1., (8) (a) 2. c., r. and recr. (5) (a) 1., r. (5) (b) 3. e. and (c) (intro.), renum. (5) (b) 3. f. to be (5) (b) 3. e., Register, February, 1994, No. 458, eff. 3-1-94; am. (5) (a) 2. (intro.), 3. and (b) 2. (intro.), Register, April, 2000, No. 532, eff. 7-1-00; am. (4) (b) 2., Register, December, 2000, No. 540, eff. 1-1-01; CR 02-002: r. and recr. (1), (2), (4) (a), (8) (a) and (b), am. (3) (intro.), (6) (a) (intro.) and (14) (b) (intro.), renum. (3) (a) to (f) to be (3) (b) to (g), cr. (3) (a) and (14) (b) 3., r. (3) (g), Register April 2003 No. 568, eff. 5-1-03; CR 02-129: am. (4) (a) 2. b. and (5) (b) 1. g., Register January 2004 No. 577, eff. 2-1-04; CR 08-055: am. (3) (a) 1., r. and recr. (4) (b) 2. and (14) (a) 2., renum. (5) (intro.) to (d) to be (5) (a) to (c) and am. (5) (a) and (b), cr. (5) (c) 7. Register February 2009 No. 638, eff. 3-1-08; CR 10-064: am. (title), (1), (2), (3) (intro.), (a), (c), (e), (g), (h), (4) (a) 2. f., (5) (c) 3. a., r. (6) (d), cr. (15) Register December 2010 No. 660, eff. 1-1-11; correction in (15) (c) 2. (intro.) made under s. 13.92 (4) (b) 7., Stats., Register December 2010 No. 660; correction in (2), (3) (a) 1., (4) (a) 3. b., c., (5) (b) 2. b., (c) 1. i., (d) 5., (7) (b), (c) 3. a., (14) (a) 2. a., (b) 1., 2., 3., (15) (a) 2., (b), (c) 1. a. made under s. 13.92 (4) (b) 7., Stats., Register December 2011 No. 672; CR 23-006: am. (3) (c), cr. (3) (g) 4., am. (4) (b) 1., (c), (5) (b) 2., 3., (c) (intro.), 1. g., (d) 7., cr. (5) (d) 8., am. (15) (a) 2., cr. (15) (g), (h) Register September 2023 No. 813, eff. 10-1-23; correction in (5) (c) 1. g. made under s. 35.17, Stats., Register September 2023 No. 813.

SPS 382.35 Cleanouts. (1) **SCOPE.** The provisions of this section set forth the requirements for the installation of cleanouts and manholes for all drain piping.

(2) **MATERIALS.** Cleanouts shall be constructed of approved materials in accordance with ch. SPS 384.

(3) **WHERE REQUIRED.** (a) *Horizontal drains.* Except as permitted under s. SPS 382.33 (9) (fm), all gravity horizontal drains within or under a building shall be accessible through a cleanout in accordance with one of the following requirements:

1. The developed length of drain piping between cleanouts for above-ground piping may not exceed 75 feet.

2. The developed length of drain piping between cleanouts for below ground piping 2 inches or less in diameter may not exceed 40 feet.

3. The developed length of drain piping between cleanouts for below ground piping greater than 2 inches in diameter may not exceed 75 feet.

Note: See ch. SPS 382 Appendix for further explanatory material.

(b) *Sanitary building sewers.* 1. Sanitary building sewers 6" or less in diameter shall be provided with cleanouts or manholes such that:

- a. Cleanouts are located not more than 100 feet apart;
- b. Manholes are located not more than 400 feet apart;
- c. The distance from a cleanout to a manhole located upstream is not more than 200 feet; or
- d. The distance from a manhole to a cleanout located upstream is not more than 300 feet.

2. Sanitary building sewers 8" or larger in diameter shall be provided with manholes at:

- a. Every horizontal change in direction of more than 45 degrees where the change in direction is created within a distance of less than 10 feet;
- b. Every change in pipe diameters where both connections are 8 inches or larger; and
- c. Intervals of not more than 400 feet.

(c) *Storm building sewers.* 1. Storm building sewers 10" or less in diameter shall be provided with cleanouts or manholes such that:

- a. Cleanouts are located not more than 100 feet apart;
- b. Manholes are located not more than 400 feet apart;
- c. The distance from a cleanout to a manhole located upstream is not more than 200 feet; or
- d. The distance from a manhole to a cleanout located upstream is not more than 300 feet.

2. Storm building sewers 12" or larger in diameter shall be provided with manholes or storm drain inlets with an inside diameter of at least 36" at:

- a. Every horizontal change in direction of more than 45 degrees where the change in direction is created within a distance of less than 10 feet,
- b. Every change in pipe diameter where both connections are 12 inches or larger; and
- c. Intervals of not more than 400 feet.

(d) *Private interceptor main sewers.* 1. Private interceptor main sewers 5" or less in diameter shall be provided with an exterior cleanout or manhole upstream of the point of the creation of the private interceptor main sewer and such that:

- a. Cleanouts are located not more than 100 feet apart;
- b. Manholes are located not more than 400 feet apart;
- c. The distance from a cleanout to a manhole located upstream is not more than 200 feet; or
- d. The distance from a manhole to a cleanout located upstream is not more than 300 feet.

2. Private interceptor main sewers 6" or larger in diameter shall be provided with a manhole at:

- a. The most upstream point of the private interceptor main sewer;
- b. Every horizontal change in direction of more than 45 degrees where the change in direction is created within a distance of less than 10 feet,
- c. Every change in pipe diameter where both connections are 6 inches or larger; and
- d. Intervals of not more than 400 feet.

Sec. 9-2-12 Sand and grease trap installations.

Grease, oil, and sand interceptors shall be provided at restaurants, repair garages, gasoline, stations, car washes and other industrial or commercial establishments for the proper handling of liquid wastes containing grease **in excessive amounts**, oil, flammable wastes, sand and other harmful ingredients **in accordance with Wisconsin state plumbing code SPS 382.34**. All interceptors shall be constructed in accordance with the Wisconsin Plumbing Code and shall be located as to be readily and easily accessible for any cleaning and inspection. All grease, oil and sand interceptors shall be maintained by the owner, at his expense, in continuous, efficient operation at all times.

Proposed Revisions to City Code

Sec. 9-2-12 Sand and grease trap installations.

Grease, oil, and sand interceptors shall be provided at restaurants, repair garages, gasoline, stations, car washes and other industrial or commercial establishments for the proper handling of liquid wastes containing grease, oil, flammable wastes, sand and other harmful ingredients in accordance with Wisconsin state plumbing code SPS 382.34. All interceptors shall be constructed in accordance with the Wisconsin Plumbing Code and shall be located as to be readily and easily accessible for any cleaning and inspection. All grease, oil and sand interceptors shall be maintained by the owner, at his expense, in continuous, efficient operation at all times.

CITY OF CEDARBURG

MEETING DATE: July 9, 2026

ITEM NO: C.

TITLE:

Discussion and possible action on the Design Consultant Solicitation and Selection Proposal for the Upgrades and Expansion of the Existing Water Recycling Center.

ISSUE SUMMARY:

The City has now received approval from the DNR for the Water Recycling Center Facility Plan. The next step is to hire a consultant for the phase 1 design of the upgrades and expansion of the existing WRC.

Due to the complexity of the project and the importance of writing a comprehensive request for proposal, staff thought hiring a consultant was warranted. Staff asked Concord Group to submit a proposal to assist in the Design Consultant Solicitation and Selection for the phase 1 design of the upgrades and expansion of the existing WRC. Staff has confidence in working with Concord Group as they have assisted the City on the Hwy 60 Business Park and the Fox Run Audit Report.

Concord's proposal included a not-to-exceed fee of \$17,500 for the following services:

1. Review the Facility Plan and conduct a site visit to become familiar with the facility and recommendations identified in the report.
2. Facilitate up to 3 meetings with City representatives to establish the procurement strategy for the design consultant solicitation process.
3. Prepare a draft RFP advertisement using information developed through the meetings and submit to the City for review.
4. Incorporate the City's Comments into the final RFP.
5. Assist with the consultant solicitation process by identifying 3–5 qualified firms with the experience needed to perform the design phase services.
6. Participate with the City in a mandatory or voluntary pre-proposal meeting, including a facility walkthrough with WRC staff.
7. Prepare and issue addenda responding to formal written technical questions submitted by prospective consultants.
8. Participate with the selection committee in evaluating submitted proposals and developing a consultant recommendation.
9. If requested, assist the City with fee and contract negotiations with the top-ranked consultant.

STAFF RECOMMENDATION:

Approve

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

None

BUDGETARY IMPACT:

\$17,500

ATTACHMENTS:

1. Cedarburg WRC Phase I Proposal

INITIATED/REQUESTED BY:

Mike Wieser, Craig Obry

FOR MORE INFORMATION CONTACT:

Mike Wieser, Engineer/Public Works Director



June 12, 2026

Mr. Mike Wieser, P.E.
Director of Engineering and Public Works
Cedarburg City Hall
W63 N645 Washington Ave
P.O. Box 49
Cedarburg, WI 53012

**Re: Proposal for Phase I – Design Consultant Solicitation and Selection
Water Recycling Center – City of Cedarburg, Wisconsin**

Dear Mike,

The Concord Group (Concord) is pleased to submit this fee proposal for the above-referenced project. The City of Cedarburg (City) owns and operates the Water Recycling Center (WRC), a municipal wastewater treatment facility located at W54 N370 Park Lane in Cedarburg, Wisconsin. As part of a previous study, the City retained a consultant to prepare a Facility Plan documenting existing WRC conditions and identifying potential improvements needed to meet current regulations and support future operations.

Concord proposes to provide select Owner’s Representative services to support Phase I - Design Consultant Solicitation and Selection. This phase will include reviewing existing documentation, developing a design procurement strategy, preparing the Request for Proposal (RFP) for design services, managing the solicitation process, assisting with interviews as needed, and supporting contract negotiations and award.

Concord anticipates providing the following services:

1. Review the existing Facility Plan and conduct a site visit to become familiar with the facility, existing conditions, and recommendations identified in the report.
2. Facilitate up to three (3) meetings with City representatives to establish the procurement strategy for the design consultant solicitation process, including the following topics:
 - a. Project background and goals
 - b. Objectives for the proposed improvements
 - c. Potential sequencing of the Facility Plan’s phased approach
 - d. City solicitation language and template contract requirements
 - e. Existing documents to include as RFP attachments
 - f. Critical RFP milestones, including advertisement dates, question-and-answer deadlines, consultant pre-proposal site tours, submittal requirements and due dates, interview windows if applicable, and anticipated award dates
 - g. Applicable agency compliance requirements, including State NPDES and EPA requirements

3. Prepare a draft RFP advertisement using information developed through the preceding tasks and submit it to the City for review.
4. Incorporate the City's comments into the final RFP.
5. Assist with the consultant solicitation process by identifying three (3) to five (5) qualified firms with the experience needed to perform the anticipated design phase services. As previously discussed, the recommended solicitation process will be informal. The City will approve the list of qualified firms before Concord contacts them to confirm their interest in responding to the RFP. We have assumed the solicitation will not be publicly advertised through construction bid or proposal platforms such as DemandStar, Daily Reporter, or BidNet.
6. Participate with the City in a mandatory or voluntary pre-proposal meeting with WRC staff, including a facility walkthrough to communicate the proposed improvements and allow engineering firms to observe existing treatment plant conditions.
7. Prepare and issue addenda responding to formal written technical questions submitted by prospective consultants.
8. Participate with the selection committee in evaluating submitted proposals and developing a consultant recommendation, including the following activities:
 - a. Develop pre-established evaluation criteria and assess each consultant's qualifications and experience.
 - b. If interviews are needed, develop interview questions, coordinate firm presentations, and conduct reference checks.
 - c. Review submitted scopes and fees and confirm with the City that consultant fees align with the projected budget and municipal expectations.
 - d. Prepare an award recommendation summarizing the rationale for selecting the top-ranked firm.
9. If requested, assist the City with fee and contract negotiations with the top-ranked consultant, including review of assumptions, final deliverables, labor hours, and billing rates.

Upon receiving authorization to begin work, our proposal is based on completing the above scope of services within an approximate 3- to 4-month project timeline.

We propose a **Not-to-Exceed Fee of \$17,500** to be billed against the services performed on the project using the hourly rates listed below.

Hourly Rates:

Principal	\$315
Director	\$295
Project Executive	\$255
Senior Project Manager II	\$205
Senior Project Manager I	\$195
Project Manager III	\$175
Project Manager II	\$150

Project Manager I	\$125
Cost Estimator II	\$150
Cost Estimator I	\$125
Technical Assistant	\$105

Reimbursable Expenses:

The foregoing fees are exclusive of the following project-related expenses:

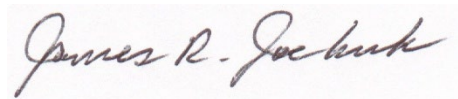
1. Cost for reproduction of drawings.
2. Cost for specialized consultants engaged at the direction of the Owner.

Payment of Fee and Reimbursable Expenses:

An invoice will be submitted monthly, and payment will be due within thirty (30) days. Reimbursable expenses incurred will be reimbursed at actual net cost.

Thank you for the opportunity to submit our proposal for your consideration. We look forward to working with you on this very exciting project!

Sincerely,
The Concord Group



James R. Joehnk, P.E.
Director, Infrastructure Management

Concord Project Number: 2026B287

cc: John Duggan, The Concord Group

Attachments: Concord Standard Terms and Conditions

AUTHORIZATION:

Entity: _____

By: _____

Title: _____

Date: _____



The Concord Group
Standard Terms and Conditions

- 1.) Amendments: Any changes or modifications to this Agreement (as defined in Section 7 below) must be in writing and executed by both parties.
- 2.) Independent Contractor: Nothing in this Agreement or the performance thereof shall create an employment, partnership, or joint venture relationship between the parties, it being acknowledged and agreed by client/owner that Concord is performing services under this Agreement as an independent contractor.
- 3.) Governing Law: This Agreement shall be governed and interpreted in accordance with the laws of the State of Illinois, without regard to the conflict of laws principles of the State of Illinois and any litigation or disputes in connection with this Agreement shall occur in the state or federal courts within Chicago, Illinois and the parties to the Agreement waive change of venue and consent and confirm personal jurisdiction of such courts.
- 4.) Binding Effect & Assignment: This Agreement shall be binding upon each party and their respective successors and permitted assignees. The Agreement may not be assigned by a party without the prior written consent of the other party, except a party may assign the Agreement to a subsidiary or a controlled affiliate if the assigning party guarantees in writing the assignee's performance prior to any such assignments.
- 5.) Termination: Unless specifically set forth in this Agreement to the contrary, the Agreement may be terminated at any time by either party, with or without cause, by the terminating party providing written notice thereof at least thirty (30) days prior to the termination. If terminated by client/owner then client/owner shall be obligated to pay Concord for all services rendered under this Agreement prior to the termination date and pay Concord for all reimbursable expenses incurred by Concord prior to such date.
- 6.) Waiver: No action or failure to act by a party shall constitute a subsequent waiver of a right or duty afforded under this Agreement or constitute approval or acquiescence of a breach of this Agreement.
- 7.) Entire Agreement: The attached Agreement together with these Standard Terms and Conditions and any exhibits (collectively, the "Agreement") represent the entire understanding and agreement of the parties and supersedes all other agreements, oral or written, regarding the subject matter of this Agreement.
- 8.) Severability & Authority to Reform: If any provision of this Agreement is found by a court or arbitrator to be unenforceable, vague, or overbroad, then the parties authorize the court or arbitrator to reform any such provision to render it enforceable under Illinois law and direct the remainder of this Agreement be enforced to be fullest extent as possible.
- 9.) Counterparts: This Agreement may be executed in one or more counterparts, each of which shall be deemed an original and all of which together shall constitute one and the same agreement. A fully executed facsimile or email copy of this Agreement shall be effective as an original.

10.) Indemnity: (a) Concord shall to the fullest extent permitted by law, indemnify, defend, and hold harmless client/owner, its officers, directors, shareholders, members and employees from any loss, damage or expense (including attorneys' fees) (collectively, "Losses") arising from (i.) a breach of this Agreement by Concord which if capable of being cured is not cured within 10) business days of written notice thereof from client/owner or (ii.) any claim (third party or otherwise) or cause of action for personal injury, death or property damage caused by Concord's gross negligence or willful misconduct.

(b) Client/Owner shall to the fullest extent permitted by law, indemnify, defend and hold harmless Concord its officers, directors, shareholders, members and employees from any Losses arising from (i.) a breach of this Agreement by client/owner (ii.) any claim (third party or otherwise) or cause of action for personal injury, death or property damage caused by client/owners gross negligence or willful misconduct.

(c) Neither party shall be liable to the other (except for third party claims referenced in clauses (a) (ii.) and (b) (ii.) of Sections 10 (a) and (b)) for special, punitive, or lost profits .

(d) The indemnity obligations shall survive termination of this Agreement.

11.) Legal Advisors: The parties acknowledge that this Agreement has been drafted by all parties hereto in conjunction with their legal advisors and agree that any ambiguity or uncertainty existing herein shall not be construed against any one party to the detriment of any other.

12.) Headings: The headings herein are inserted for convenience of reference only, and shall not be deemed to limit, expand, or interpret the sections to which they apply.

13.) Limitation: Concord shall not be liable for (a.) any errors or miscalculations in Concord's reports resulting or derived from any information provided by client/owner or its agents and representatives, or (b.) delays or performance failures due to circumstances beyond Concord control.

14.) Force Majeure: Except for payment obligations, each party shall be excused from any delay or failure in performance under this Agreement caused by reason of an occurrence or contingency beyond its reasonable control.

15.) Ownership of Documents/Confidentiality:

Subject to any third-party intellectual property rights, all originals, duplicates, drawings, reports, photographs, charts, programs, models, specifications and other documents or materials furnished by the Client/Owner hereunder, including drafts and reproduction copies thereof, shall be and remain the property of Client/Owner. Upon the termination of this Agreement, or upon request of the Client/Owner, during any stage of the services, Concord shall promptly deliver all such materials to Client/Owner. Concord shall not publish, transfer, license or, except in connection with carrying out obligations under this Agreement use or reuse all or any part of such reports and other documents, including working papers, without the prior written approval of Client/Owner, provided, however, that Concord may retain copies of the same for Concord's own general reference.

Concord agrees not to disclose to any third party, without the Client/Owner's prior written consent, any information gathered from or on behalf of Client/Owner or any Client/Owner's employee, officer, or agent

("Confidential Information"). If required by law to disclose such Confidential Information, Concord shall provide as much advance notice as possible of such disclosure to the Client.

16.) Insurance Requirements:

Concord shall purchase and maintain at all times the insurance set forth below and require that the subconsultants also carry such insurance.

Concord shall maintain (and cause the subconsultants to maintain) at its (or their) sole expense the following minimum insurance:

- General Liability
 - \$3,000,000 per occurrence
 - \$5,000,000 general aggregate limit
 - \$1,000,000 aggregate products and completed operations
- Automobile Liability arising out of the ownership, maintenance, or use of any vehicle, owned, non-owned, and hired.
 - \$1,000,000 combined single limit for bodily injury and property damage
- Worker's Compensation

Claims under worker's compensation, disability benefit and other similar employee benefits acts which are applicable to the work to be performed and claims for damages because of bodily injury, occupational sickness or disease, or death of his employees and under any applicable employer's liability law with limits not less than statutory limits, if any, of the Worker's Compensation Laws of the applicable State(s), but in no event less than \$500,000 per accident or injury. Concord's Employer Liability coverage shall be written for not less than the limits of liability as follows: \$500,000 per accident for Bodily Injury, unless higher limits are required by applicable law.
- Professional Liability
 - \$1,000,000 per claim and \$2,000,000 annual aggregate, with prior acts coverage and retroactive to the commencement of services.

The Client/Owner shall be named as an additional insured under the General Liability and Automobile Liability policies. Concord shall deliver to the Client/Owner a Certificate of Insurance ("Certificate") including such coverages and naming Client/Owner as an additional insured. Such Certificate, and the policies referenced in such Certificate, shall provide that such policies are noncancellable without at least 30 days prior written notice to Client/Owner.

17.) Non-Solicit:

Client/Owner agrees not to solicit or employ Concord's employees who are involved with the project for a period of one year after completion of the project. Concord agrees not to solicit or employ any employees of Client/Owner for a period of one year after completion of the project.

18.) Notices:

All notices or other communications required under this Agreement shall be made in writing and deemed properly given if hand delivered, sent by confirmed facsimile transmission or email or sent by FedEx, UPS or other nationally recognized commercial overnight courier as follows:

If To Client/Owner:

Attn:
Address
Telephone
E-mail:

If To Concord:

The Concord Group
Attn: John Duggan
55 East Monroe Street, Suite 2850
Chicago, IL 60603
Telephone: 312-424-0250
E-mail: jduggan@concord-cc.com

Notices hand delivered, sent by confirmed facsimile transmission or email shall be deemed received when given, if prior to 3 PM recipient's local time on a business day, otherwise on the next regularly occurring business day. Notices sent by nationally recognized commercial overnight courier shall be deemed received on the business day actually received by recipient.

CITY OF CEDARBURG

MEETING DATE: July 9, 2026

ITEM NO: D.

TITLE:

Discussion and possible action on moving Public Works and Sewerage Meetings to the first Thursday of each month.

ISSUE SUMMARY:

There are times with time-sensitive items when staff is forced to skip the Public Works and Sewerage Commission and take that item straight to the Common Council. This happens when the 2nd Thursday comes later than the 2nd Monday on the calendar and in some cases, will cause a delay of 3 weeks. August of 2026 is a good example of this. The time-sensitive items are usually construction bids where they need to be approved as soon as possible to allow the contractor to get started on the project.

STAFF RECOMMENDATION:

Approve

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

None

BUDGETARY IMPACT:

None

ATTACHMENTS:

None

INITIATED/REQUESTED BY:

Mike Wieser

FOR MORE INFORMATION CONTACT:

Mike Wieser, Engineer/Public Works Director

CHAPTER 5 ETHICS CODE

Sec. 2-5-1 Declaration of policy.

The proper operation of democratic government requires that public officials and employees be independent, impartial and responsible to the people; that government decisions and policy be made in proper channels of the governmental structure; that public office is not to be used for personal gain; and that the public have confidence in the integrity of its government. In recognition of these goals, there is established in this chapter a code of ethics for all City of Cedarburg officials and employees whether elected or appointed, paid or unpaid, including members of council as well as boards, committees and commissions of the city (city agencies). The purpose of this ethics code is to establish guidelines for ethical standards of conduct for all such officials and employees by setting forth those acts or actions that are incompatible with the best interests of the City of Cedarburg and by directing disclosure by such officials and employees of private financial or other interests in matters affecting the city.

(Ord. No. 2004-08)

Sec. 2-5-2 Responsibility of public office.

Public officials and employees are agents of public purpose and hold office for the benefit of the public. They are bound to uphold the Constitution of the United States and the Constitution of this State and carry out impartially the laws of the nation, state and municipality, to observe in their official acts the highest standards of morality and to discharge faithfully the duties of their office regardless of personal considerations, recognizing that the public interest must be their prime concern.

(Ord. No. 2004-08)

Sec. 2-5-3 Dedicated service.

- (a) Officials and employees should adhere to the rules of work, professionalism and performance established as the standard for their positions by the appropriate authority.
- (b) Officials and employees should not exceed their authority or breach the law or ask others to do so, and they should work in full cooperation with other public officials and employees unless prohibited from so doing by law or by officially recognized confidentiality of their work.

(Ord. No. 2004-08)

Sec. 2-5-4 Fair and equal treatment.

- (a) *Use of public property.* No official or employee shall request or permit the unauthorized use of city-owned vehicles, equipment, materials or property for personal convenience or profit.
- (b) *Fundraising.* With the exception of fundraising for purposes of raising money for city departmental programming, equipment, or capital projects, which may occur subject to council approval and all provisions of this Code and the State Statutes, the following shall be prohibited:

-
- (1) No official or employee shall request or permit the use of city resources, city time or city equipment for the purpose of fundraising.
 - (2) No official or employee shall use his or her position, authority or influence, whether possessed or anticipated, to represent themselves as a city official or employee for private or public fundraising.
- (b) *Obligations to citizens.* No official or employee shall grant any special consideration, treatment or advantage to any citizen beyond that which is available to every other citizen.

(Ord. No. 2004-08; Ord. No. 2015-13)

Sec. 2-5-5 Conflict of interest.

- (a) *Financial and personal interest prohibited.* No official or employee, whether paid or unpaid, shall engage in any business or transaction or shall act in regard to financial or other personal interest, direct or indirect, which is incompatible with the proper discharge of official duties in the public interest contrary to the provisions of this chapter or which would tend to impair independence of or action in the performance of official duties.
- (b) *Definitions.*
- (1) *Financial interest.* Any interest which shall yield, directly or indirectly, a monetary or other material benefit to the officer or employee or to any person employing or retaining the services of the officer or employee.
 - (2) *Personal interest.* Any interest arising from blood or marriage relationships or from close business or political associations, whether or not any financial interest is involved.
 - (3) *Person.* Any individual or legal entity.
- (c) *Specific conflicts enumerated.*
- (1) *Incompatible employment.* No official or employee shall engage in or accept private employment or render service for private interest when such employment or service is incompatible with the proper discharge of official duties or would tend to impair independence of judgment or action in the performance of official duties, unless otherwise permitted by law.
 - (2) *Disclosure of confidential information.* No official or employee shall, without proper legal authorization, disclose confidential information concerning the property, government or affairs of the City, nor shall such information be used to advance the financial or other private interests of the official or employee or others.
 - (3) *Gifts and favors.*
 - a. No public official or employee may use his or her public office to "obtain financial gain" or "anything of value" for the private benefit of himself or herself, for his or her immediate family, or for an organization with which he or she is associated.
 - b. No person may directly or indirectly offer or give "anything of value" to a local public official or employee if it could reasonably be expected to affect that official's vote, official action or judgment, or if it could be construed as a reward for any official action or inaction on the part of the local public official or employee. No local public official or employee may accept "anything of value" tendered under such circumstances. "Anything of value" is defined as "money or property, favor, service, payment, advance, forbearance, loan or promise of future employment". Legal campaign contributions are exempt from the definitions. An official or employee is not to accept hospitality if, after consideration of the surrounding circumstances, it could reasonably be concluded that such hospitality would not be extended were it not for the fact that the guest, or

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a member of the guest's immediate family, was a City official or employee. This includes any discount on the price of admission, parking, or use of a box at a stadium that is tax exempt from general property taxes. Participation in celebrations, grand openings, open houses, informational meetings and similar events are excluded from this prohibition. This paragraph further shall not be construed to prevent candidates for elective office from accepting hospitality from citizens for the purpose of supporting the candidate's campaign.

- c. No local public official or employee may take any official action that affects a matter in which the public official or employee, a member of his or her immediate family, or an organization with which the official or employee is associated has a substantial financial interest.
 - d. No local public official or employee may use his or her office or position in any way that produces or assists in producing a substantial benefit, either directly or indirectly, for the official or employee, any members of his or her immediate family, or an organization with which the official or employee is associated.
- (4) *Representing private interests before city agencies or courts.* No officer or employee shall appear on behalf of any private person (other than him or herself, his or her spouse or minor children) before any city agency. However, members of the common council may appear before city agencies on behalf of constituents in the course of their duties as representatives of the electorate or in the performance of public or civic obligations.
- (d) *Contracts with the city.* No city officer or employee who, in his capacity as such officer or employee, participates in the making of a contract in which he has a private pecuniary interest, direct or indirect, or performs in regard to that contract with some function requiring the exercise of discretion on his part shall enter into any contract with the city unless it is within the confines of section 946.13.
- (e) *Disclosure of interest in legislation.*
- (1) Any member of the common council who has a financial interest or personal interest in any proposed legislation before the common council shall disclose on the records of the common council or the ethics board created by this chapter the nature and extent of such interest.
 - (2) Any other official or employee who has a financial interest or personal interest in any proposed legislative action of the common council or who serves on a board or committee, shall disclose the nature and extent of such interest.
 - (3) If there is a conflict of interest for any official or employee, he or she must refrain from participating in any way including discussion, deliberations or action on the item.

(Ord. No. 2004-08)

Sec. 2-5-6 Advisory opinion.

Any questions as to the interpretation of any provisions of this code of ethics chapter shall be referred to the personnel committee serving as the ethics board or the city attorney. The fact that a person seeks an advisory opinion and abides by the material facts as stated, is evidence of intent to comply with the ethics code.

(Ord. No. 2004-08)

Sec. 2-5-7 Jurisdiction and application.

- (a) The personnel committee shall have administrative jurisdiction over this code of ethics chapter and shall be deemed the ethics board pursuant to Wis. Stats. § 19.59(3)(d) for that purpose. An individual may request an

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advisory opinion on the propriety of any matter to which he or she is or may become a party. However, the personnel committee has complete discretion as to whether to issue such an opinion. All requests and advisory opinions to the ethics board must be in writing.

- (b) The personnel committee may make recommendations with respect to amendments to this code of ethics chapter.
- (c) Upon the sworn complaint of any person alleging facts which, if true, would constitute improper conduct under the provisions of this chapter, the personnel committee shall conduct an investigation of the facts of the complaint; if the investigation indicates there may be a reasonable basis for the complaint justifying further investigation, the committee shall conduct a public hearing in accordance with the common law requirements of due process, including notice, an opportunity to be heard, an opportunity to cross-examine witnesses and to present testimony and other evidence in support of the accused's position and an opportunity to be represented by counsel or other representatives at the expense of the accused. The committee shall make written findings of fact and issue a written decision concerning the propriety of the conduct of the subject official or employee and shall refer the matter to the common council for final disposition.
- (d) In the event a member of the personnel committee is allegedly involved in an ethics code violation, the mayor, subject to the confirmation of the common council, shall appoint another council member to temporarily replace the member of the committee who is under investigation.

(Ord. No. 2004-08)

Sec. 2-5-8 Sanctions.

A determination that an official's or employee's actions constitute improper conduct under the provisions of this chapter may constitute a cause of suspension, removal from office or employment or other action permitted by law.

(Ord. No. 2004-08)

Sec. 2-5-9 Distribution of ethics code.

- (a) The city clerk shall cause a copy of this code of ethics to be distributed to every public official and employee of the City of Cedarburg within 30 days after enactment of this chapter. Each public official and employee elected, appointed or engaged thereafter shall be furnished a copy before entering upon his duties.
- (b) Each public official, the mayor, the chairman of each board, commission or committee and, through the city administrator, the head of each department shall, between May 1 and May 31 each year, review the provisions of this Code with his fellow council, board, commission, committee members or subordinates as the case may be and certify to the city clerk by June 15 that such annual review had been undertaken. A copy of this ethics code chapter shall be continuously posted on each department bulletin board wherever situated.

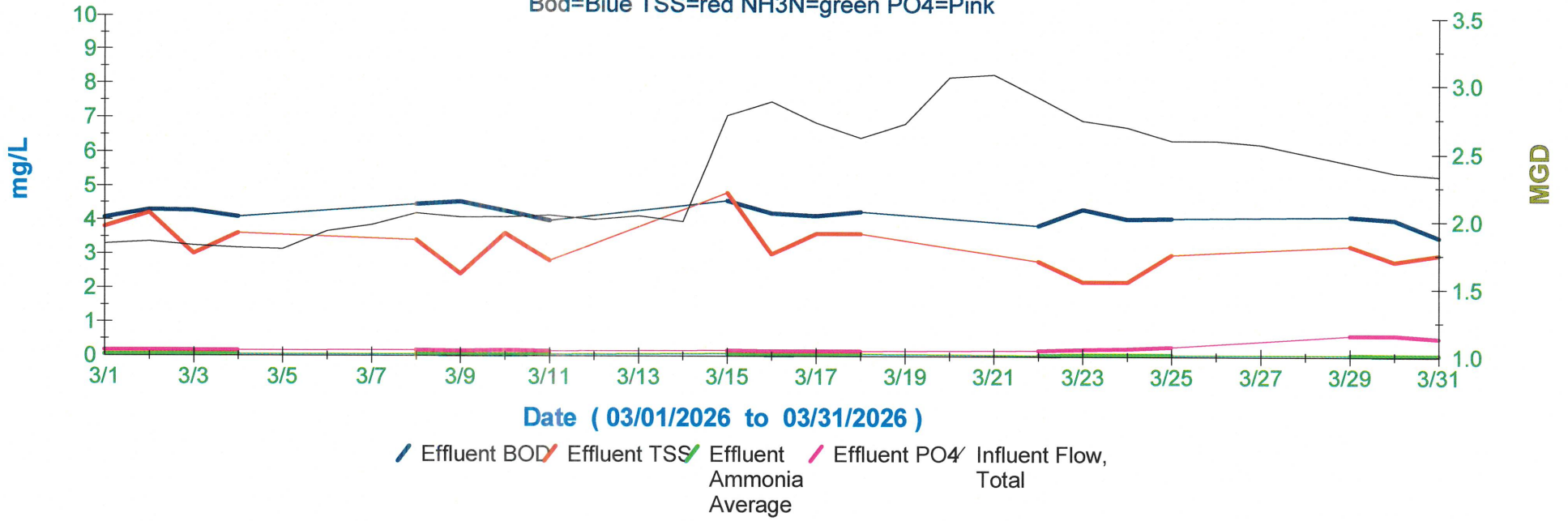
(Ord. No. 2004-08)

March, 2026

Date	Influent									Effluent											
	Flow MGD	Mx Flow GPM	BOD mg/L	TSS mg/L	TKN mg/L	Phos mg/L	NH3N mg/L	pH SU	Cl- mg/L	Flow MGD	Mx Flw GPM	BOD mg/L	TSS mg/L	NH3-N mg/L	Phos mg/L	DO, Max mg/L	DO, Mn mg/L	pH SU	Fecals #/100ml	Cl- mg/L	
01	1.821	2,207	241	420	25.40					1.675	990	4	4	0.036	0.171	8.38	8.28				
02	1.839	2,237	354	532				7.8		1.686	1,039	4	4	0.042	0.160	8.34	8.09	7.4			
03	1.810	2,357	194	282		3.745	20.399	7.8		1.651	1,051	4	3	0.043	0.157	8.22	8.16	7.5			
04	1.794	1,933	196	292		3.497	19.108	7.9		1.672	989	4	4	0.037	0.151	8.24	8.03	7.6			
05	1.784	2,128						7.8		1.636	1,002					8.08	7.90	7.6			
06	1.915	2,117								1.752	1,197					7.98	7.56				
07	1.962	2,148								1.861	1,208					7.79	7.72				
08	2.047	2,250	150	434						1.891	1,146	4	3	0.033	0.160	7.82	7.66			480	
09	2.018	2,299	98	322				7.7		1.862	1,256	5	2	0.030	0.141	7.78	7.73	7.5		485	
10	2.020	2,770	181	380		3.900	17.833	7.7		1.972	1,233	4	4	0.030	0.157	9.11	7.84	7.5		495	
11	2.036	2,429	185	610		3.716	18.075	7.7		1.959	1,224	4	3	0.036	0.139	8.13	8.07	7.5		485	
12	2.005	2,221						7.7		1.841	1,515					8.14	7.72	7.5			
13	2.030	2,213								1.987	1,147					8.11	8.06				
14	1.989	1,838								1.842	1,159					8.16	7.95				
15	2.770	2,738	153	264						2.912	2,186	5	5	0.070	0.158	8.01	7.43				
16	2.869	3,147	128	290				7.7		3.047	1,894	4	3	0.030	0.137	8.01	7.96	7.4			
17	2.715	2,605	99	142		2.254	11.797	7.8		2.841	1,882	4	4	0.040	0.139	8.06	7.78	7.5			
18	2.606	2,631	101	140		2.311	12.103	7.8		2.644	1,925	4	4	0.056	0.143	7.88	7.66	7.5			
19	2.710	2,680						7.6		2.754	1,953					7.77	7.37	7.5			
20	3.052	2,720								3.284	2,199					7.46	7.40				
21	3.072	2,677								3.328	2,001					7.48	7.29				
22	2.905	2,810	107	150						3.102	2,002	4	3	0.029	0.168	7.80	7.76				
23	2.735	3,047	107	140				7.7		2.850	1,978	4	2	0.031	0.205	8.82	7.80	7.5			
24	2.687	2,739	96	134		2.374	13.572	7.8		2.792	1,894	4	2	0.037	0.228	7.89	7.58	7.5			
25	2.589	2,400	94	120		2.396	12.733	7.7		2.655	1,696	4	3	0.035	0.280	7.66	7.33	7.5			
26	2.591	3,278						7.7		2.664	1,966					7.70	7.67	7.6			
27	2.563	2,713								2.606	1,632					7.88	7.85				
28	2.498	2,560								2.522	1,551					7.92	7.69				
29	2.429	2,399	122	184						2.412	1,550	4	3	0.031	0.615	7.77	7.53				
30	2.361	2,270	119	150				7.7		2.305	1,586	4	3	0.029	0.629	7.72	7.37	7.5			
31	2.333	2,368	102	176		2.346	13.104	7.7		2.234	1,478	4	3	0.025	0.534	7.77	7.73	7.6			
Min	1.784	1,838	94	120	25.40	2.25	11.797	7.6		1.636	989	4	2	0.025	0.137	7.46	7.29	7.4		480	
Max	3.072	3,278	354	610	25.40	3.90	20.399	7.9		3.328	2,199	5	5	0.070	0.629	9.11	8.28	7.6		495	
Total	72.555	76,929	2,829	5,162	25.40	26.54	38.724	139.3		72.239	47,529	79	61	0.700	4.472	247.88	239.97	135.3		1,945	
Avg	2.340	2,482	149	272	25.40	2.95	15.414	7.7		2.330	1,533	4	3	0.037	0.235	8.00	7.74	7.5		486	
GeoMn																					

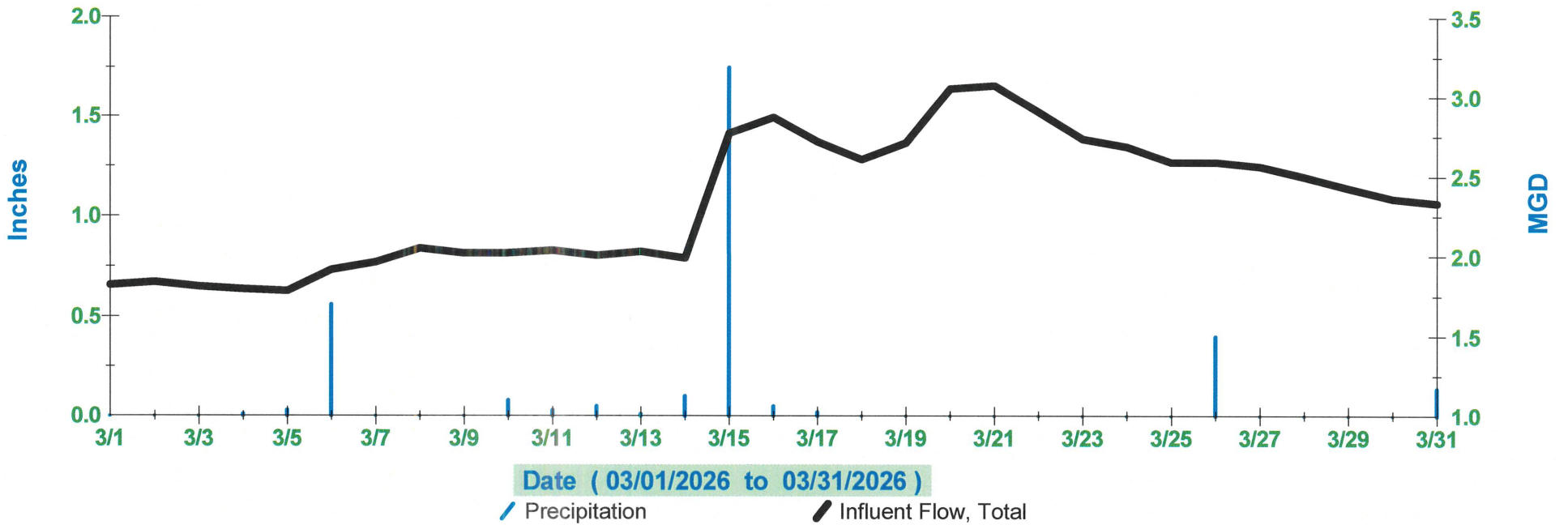
Plant Performance

Bod=Blue TSS=red NH3N=green PO4=Pink



Plant Performance

Precipitation vs Flow mgd



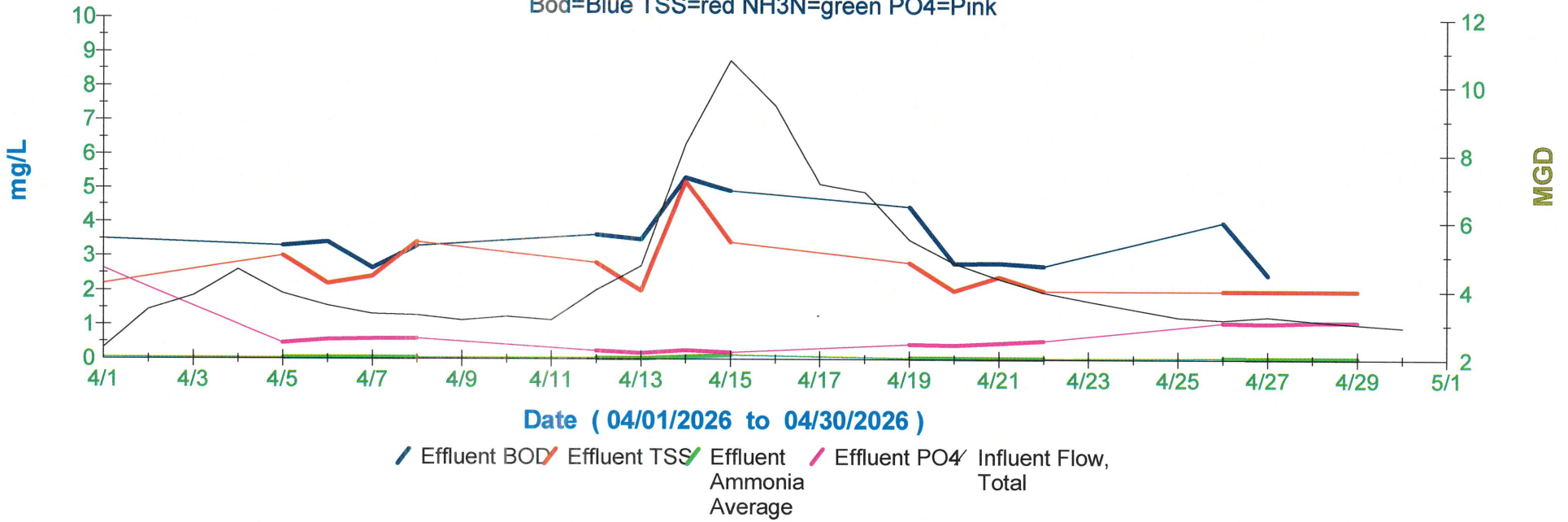
Precipitation vs Flow mgd

April, 2026

Date	Influent									Effluent											
	Flow MGD	Mx Flow GPM	BOD mg/L	TSS mg/L	TKN mg/L	Phos mg/L	NH3N mg/L	pH SU	Cl- mg/L	Flow MGD	Mx Flw GPM	BOD mg/L	TSS mg/L	NH3-N mg/L	Phos mg/L	DO, Max mg/L	DO, Mn mg/L	pH SU	Fecals #/100ml	Cl- mg/L	
01	2.323	2,742	122	174		2.629	13.023	7.7		2.194	1,672	4	2	0.032	2.629	9.18	7.71	7.5			
02	3.438	3,197						7.7		3.604	3,313					7.83	6.56	7.6			
03	3.844	3,693								4.251	3,679					8.00	7.85				
04	4.589	3,336								5.316	3,325					8.42	8.17				
05	3.909	3,059	71	130						4.449	2,973	3	3	0.025	0.458	8.29	8.18			325	
06	3.552	3,704	106	112				7.6		3.948	2,772	3	2	0.026	0.561	8.46	8.39	7.4		335	
07	3.310	2,893	79	128		1.774	9.88	7.7		3.615	2,602	3	2	0.024	0.582	8.47	8.32	7.5		370	
08	3.266	2,726	74	146		1.746	8.779	7.7		3.521	2,467	3	3	0.023	0.588	8.38	8.15	7.5		380	
09	3.129	2,860						7.7		3.309	2,588					8.20	7.96	7.6			
10	3.228	2,728								3.492	2,112					8.11	8.08				
11	3.133	2,817								3.288	2,187					8.14	7.90				
12	4.017	3,953	86	166						4.427	4,227	4	3	0.026	0.239	8.04	7.63				
13	4.702	4,391	95	130				7.6		5.312	4,492	3	2	0.019	0.170	8.14	7.87	7.5			
14	8.307	8,918	51	124		1.060	3.900	7.4		7.147	9,333	5	5	0.060	0.256	20.00	0.00	7.5			
15	10.751	9,664	24	32		0.601	2.240	7.5		8.436	8,930	5	3	0.116	0.188	20.00	7.19	7.4			
16	9.433	5,947						7.5		8.435	6,047					8.57	8.52	7.3			
17	7.126	6,873								8.435	6,462					8.63	8.27				
18	6.887	4,545								8.436	5,157					8.48	8.25				
19	5.477	4,148	40	60						8.435	4,484	4	3	0.027	0.431	8.53	8.33				
20	4.795	3,973	38	66				7.6		7.916	4,168	3	2	0.021	0.410	8.59	7.89	7.4			
21	4.349	3,517	45	64		1.075	5.292	7.6		5.179	3,725	3	2	0.020	0.469	8.25	7.81	7.5			
22	3.955	3,372	66	138		1.435	6.535	7.6		4.530	3,334	3	2	0.018	0.531	8.09	7.82	7.5			
23	3.713	3,315						7.6		4.252	3,015					7.92	7.62	7.5			
24	3.474	2,782								3.898	2,587					7.95	7.89				
25	3.228	2,613								3.543	2,357					8.02	7.97				
26	3.156	3,280	80	246						3.383	2,369	4	2	0.036	1.068	8.05	7.88				
27	3.247	2,963	3	180				7.6		3.384	2,417	2	2	0.021	1.047	7.98	7.84	7.5			
28	3.138	2,857		168		2.233	9.295	7.6		3.344	2,356		2	0.022	1.085	7.92	7.85	7.5			
29	3.028	2,759		124		2.035	9.150	7.5		3.192	2,286		2	0.021	1.087	8.03	7.95	7.5			
30	2.940	2,679						7.6		3.237	2,345					8.05	7.98	7.5			
Min	2.323	2,613	3	32		0.60	2.240	7.4		2.194	1,672	2	2	0.018	0.170	7.83	0.00	7.3		325	
Max	10.751	9,664	122	246		2.63	13.023	7.7		8.436	9,333	5	5	0.116	2.629	20.00	8.52	7.6		380	
Total	133.444	116,304	981	2,188		14.59	68.090	136.8		145.908	109,781	53	44	0.537	11.799	270.72	229.83	134.5		1,410	
Avg	4.448	3,877	65	129		1.62	7.566	7.6		4.864	3,659	3	2	0.032	0.694	9.02	7.66	7.5		353	
GeoMn																					

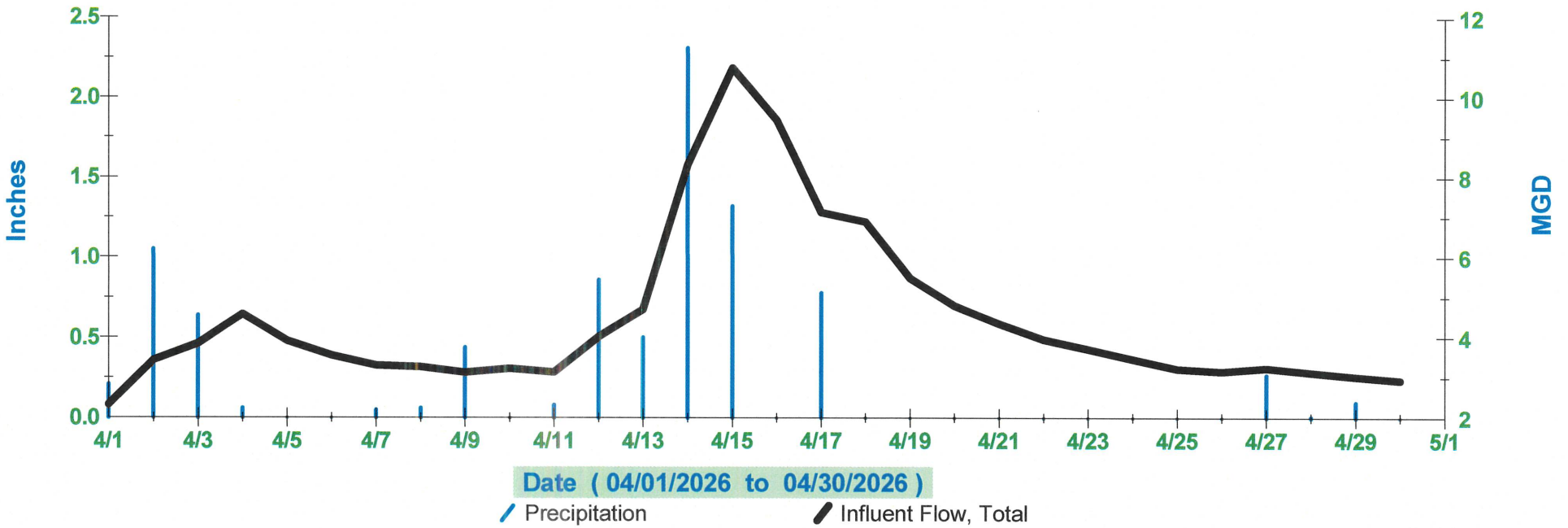
Plant Performance

Bod=Blue TSS=red NH3N=green PO4=Pink



Plant Performance

Precipitation vs Flow mgd



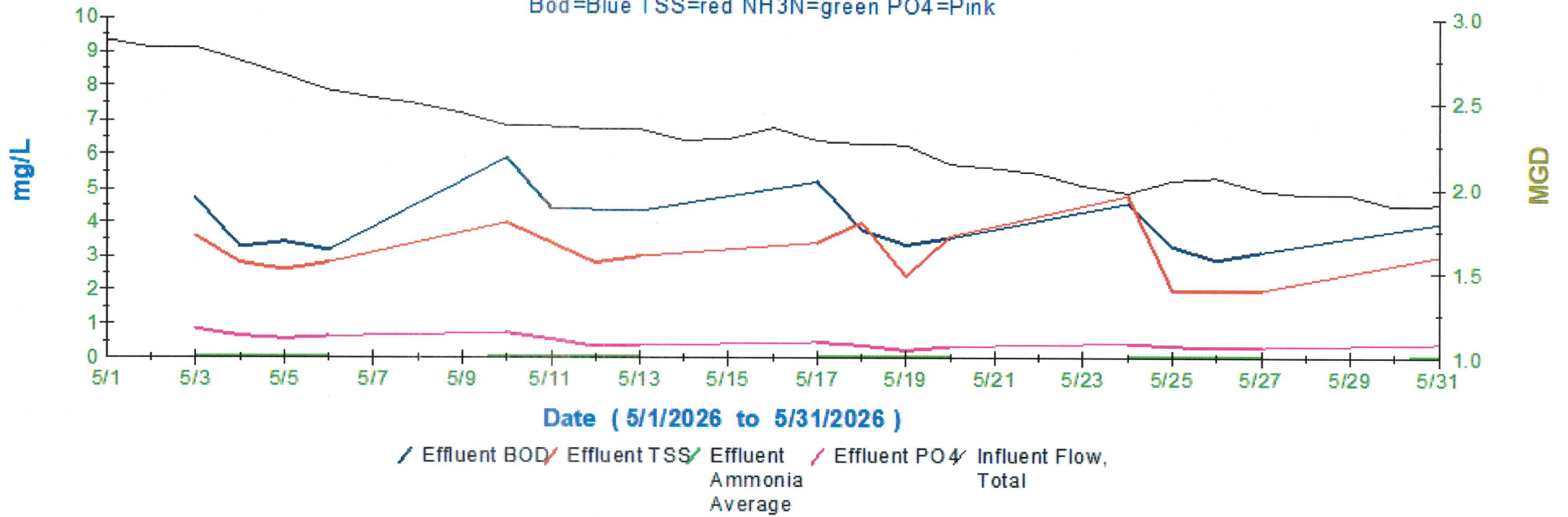
Precipitation vs Flow mgd

May, 2026

Date	Influent									Effluent											
	Flow MGD	Mx Flow GPM	BOD mg/L	TSS mg/L	TKN mg/L	Phos mg/L	NH3N mg/L	pH SU	Cl- mg/L	Flow MGD	Mx Flw GPM	BOD mg/L	TSS mg/L	NH3-N mg/L	Phos mg/L	DO, Max mg/L	DO, Mn mg/L	pH SU	Fecals #/100ml	Cl- mg/L	
01	2.869	2,607								3.167	1,867					8.05	7.52				
02	2.821	2,647								2.856	1,880					7.60	7.37				
03	2.826	2,628	128	248						2.846	1,878	5	4	0.030	0.873	7.47	7.16			405	
04	2.743	2,487	97	182				7.6		2.720	1,865	3	3	0.025	0.661	7.29	7.24	7.5		395	
05	2.661	2,620	97	164		2.275	10.925	7.6		2.604	1,805	3	3	0.027	0.582	7.42	7.33	7.5		400	
06	2.572	2,482	122	262		2.487	10.683	7.7		2.548	1,732	3	3	0.024	0.650	7.55	7.47	7.6		405	
07	2.528	2,578						7.6		2.516	1,770					8.60	7.43	7.5			
08	2.492	2,320								2.486	1,586					7.54	7.28				
09	2.438	2,285								2.413	1,464					7.53	7.46				
10	2.367	2,580	121	190						2.341	1,626	6	4	0.053	0.750	7.63	7.51				
11	2.362	2,443	117	216				7.6		2.278	1,440	4	3	0.031	0.575	7.61	7.57	7.5			
12	2.348	2,481	128	212		2.579	13.023	7.7		2.282	1,489		3	0.031	0.355	7.66	7.40	7.6			
13	2.348	3,093	133	200		2.735	13.540	7.8		2.282	2,075	4	3	0.028	0.386	7.66	7.20	7.5			
14	2.283	2,440						7.8		2.183	1,402					7.35	7.28	7.5			
15	2.292	2,570								2.214	1,534					7.35	6.98				
16	2.356	2,375								2.272	1,350					7.09	7.01				
17	2.280	2,673	168	236						2.172	1,402	5	3	0.044	0.478	7.18	7.08				
18	2.261	2,645	175	378				7.8		2.169	1,485	4	4	0.030	0.390	7.08	6.93	7.6			
19	2.257	2,488	140	378		3.052	14.799	7.5		2.182	1,437	3	2	0.032	0.239	7.32	7.25	7.5			
20	2.146	2,544	188	458		3.236	14.460	7.7		2.044	1,340	4	4	0.031	0.360	7.50	7.43	7.6			
21	2.122	2,167						7.7		2.028	1,293					7.56	7.50	7.6			
22	2.093	2,365								1.990	1,193					7.56	7.42				
23	2.022	2,308								1.946	1,169					7.49	7.32				
24	1.977	2,119	235	438						1.891	1,108	5	5	0.037	0.449	7.39	7.24				
25	2.054	2,376	136	392				7.7		1.965	1,240	3	2	0.026	0.369	7.31	7.06	7.6			
26	2.068	2,398	178	456		3.490	16.300	7.6		1.972	1,250	3	2	0.028	0.334	7.14	6.96	7.5			
27	1.991	2,316	145	348		3.690	15.300	7.8		1.946	1,264	3	2	0.030	0.332	7.18	7.13	7.6			
28	1.965	2,535						7.6		1.904	1,301					7.22	7.16	7.5			
29	1.964	2,206								1.898	1,106					7.22	7.10				
30	1.895	1,923								1.774	1,095					7.24	7.19				
31	1.906	2,620	224	370						1.825	1,132	4	3	0.047	0.431	7.24	7.15				
Min	1.895	1,923	97	164		2.28	10.683	7.5		1.774	1,095	3	2	0.024	0.239	7.08	6.93	7.5		395	
Max	2.869	3,093	235	458		3.69	16.300	7.8		3.167	2,075	6	5	0.053	0.873	8.60	7.57	7.6		405	
Total	71.307	76,319	2,533	5,128		23.54	09.030	122.8		69.714	45,578	63	52	0.554	8.214	231.03	225.13	120.6		1,605	
Avg	2.300	2,462	149	302		2.94	13.629	7.7		2.249	1,470	4	3	0.033	0.483	7.45	7.26	7.5		401	
GeoMn																					

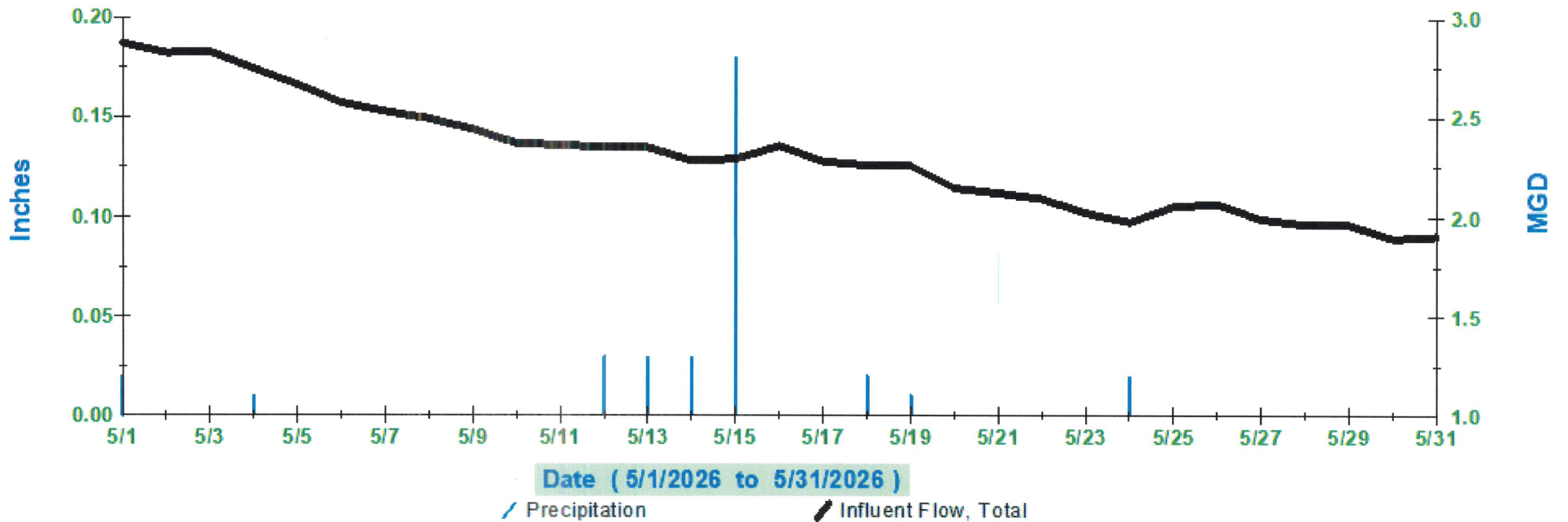
Plant Performance

Bod=Blue TSS=red NH3N=green PO4=Pink



Plant Performance

Precipitation vs Flow mgd



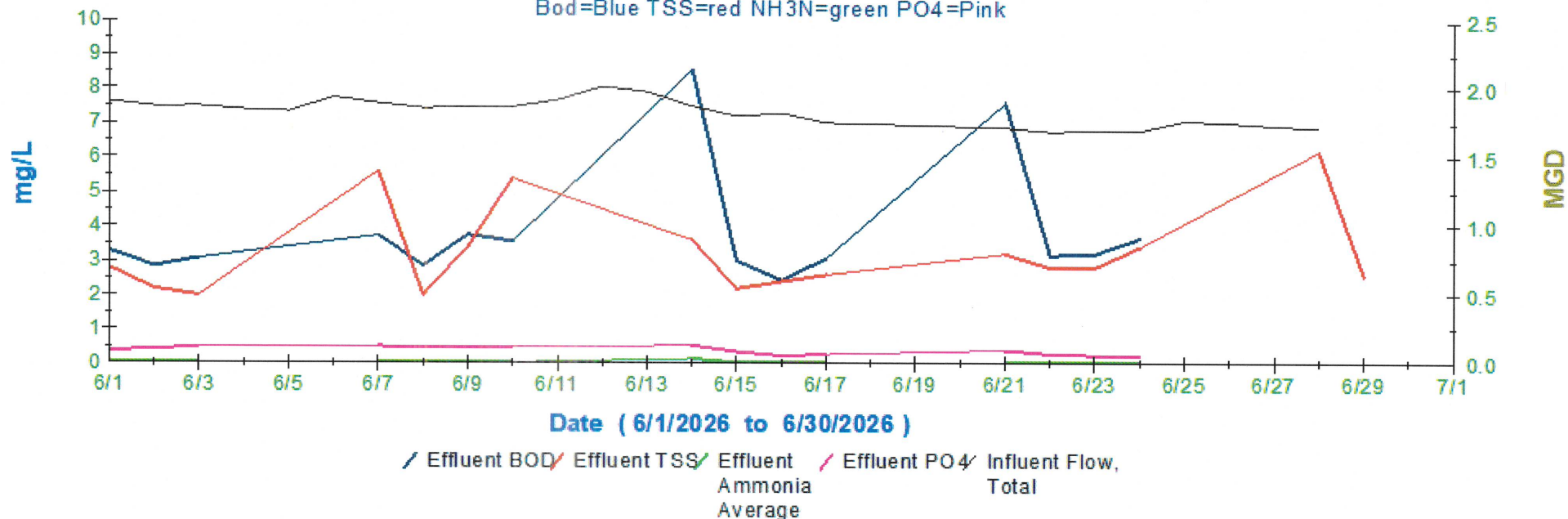
Precipitation vs Flow mgd

June, 2026

Date	Influent									Effluent											
	Flow MGD	Mx Flow GPM	BOD mg/L	TSS mg/L	TKN mg/L	Phos mg/L	NH3N mg/L	pH SU	Cl- mg/L	Flow MGD	Mx Flw GPM	BOD mg/L	TSS mg/L	NH3-N mg/L	Phos mg/L	DO, Max mg/L	DO, Mn mg/L	pH SU	Fecals #/100ml	Cl- mg/L	
01	1.906	2,635	180	308				7.7		1.825	4,567	3	3	0.032	0.382	7.24	6.85	7.6			
02	1.868	2,299	182	616		3.886	16.849	7.8		1.810	1,606	3	2	0.030	0.423	0.00	7.14	7.6			
03	1.871	2,786	211	434		3.928	16.042	7.7		1.822	1,607	3	2	0.033	0.489	7.31	7.06	7.6			
04	1.845	2,929						7.7		1.762	1,582					7.31	6.90	7.6			
05	1.832	2,932								1.733	1,776					7.20	6.78				
06	1.936	2,488								1.877	1,628					7.02	6.76				
07	1.891	2,390	204	354						1.790	1,583	4	6	0.039	0.510	6.99	6.77			455	
08	1.857	2,886	164	466				7.6		1.766	1,581	3	2	0.024	0.447	6.98	6.80	7.6		455	
09	1.864	2,755	145	424		4.540	18.100	7.6		1.767	2,486	4	3	0.031	0.459	7.56	6.76	7.6		455	
10	1.865	2,703	195	316		2.600	15.300	7.6		1.737	1,727	4	5	0.030	0.475	6.95	6.64	7.6		455	
11	1.916	2,766						7.7		1.877	1,898					6.92	6.59	7.6			
12	2.011	2,902								1.979	1,850					6.92	6.73				
13	1.974	2,422								1.951	1,739					6.98	6.65				
14	1.873	2,322	211	330						1.807	1,591	9	4	0.146	0.538	6.96	6.78				
15	1.798	2,638	203	376				7.7		1.740	1,704	3	2	0.029	0.355	7.06	6.81	7.5			
16	1.821	2,734	183	444		4.030	15.500	7.7		1.765	1,533	2	2	0.029	0.240	7.06	6.80	7.6			
17	1.751	2,848	172	408		3.580	15.400	7.7		1.723	1,680	3	3	0.027	0.280	7.04	6.81	7.6			
18								7.7								7.10		7.6			
19																7.10					
20																7.10					
21	1.717	2,440	171	298						1.737	1,521	8	3	0.034	0.400	7.07	6.86				
22	1.689	2,791	172	250				7.6		1.658	1,486	3	3	0.027	0.291	7.10	6.95	7.7			
23	1.695	2,699	166	214		3.561	17.978	7.6		1.624	1,497	3	3	0.031	0.253	7.11	6.89	7.7			
24	1.696	2,698	202	326		3.610	17.494	7.6		1.664	1,619	4	3	0.033	0.256	7.11	6.86	7.6			
25	1.769	2,797						7.7		1.795	2,892					7.03	6.66	7.6			
26	1.755	2,961								1.704	2,622					7.00	6.80				
27	1.733	2,267								1.625	1,520					7.03	6.70				
28	1.716	2,318		412						1.614	1,433		6			6.96	6.58				
29				424				7.7					3					7.6			
30								7.8										7.6			
Min	1.689	2,267	145	214		2.60	15.300	7.6		1.614	1,433	2	2	0.024	0.240	0.00	6.58	7.5		455	
Max	2.011	2,961	211	616		4.54	18.100	7.8		1.979	4,567	9	6	0.146	0.538	7.56	7.14	7.7		455	
Total	45.649	66,406	2,762	6,400		29.74	32.663	138.2		44.152	46,728	58	55	0.575	5.798	191.21	169.93	136.6		1,820	
Avg	1.826	2,656	184	376		3.72	16.583	7.7		1.766	1,869	4	3	0.038	0.387	6.83	6.80	7.6		455	
GeoMn																					

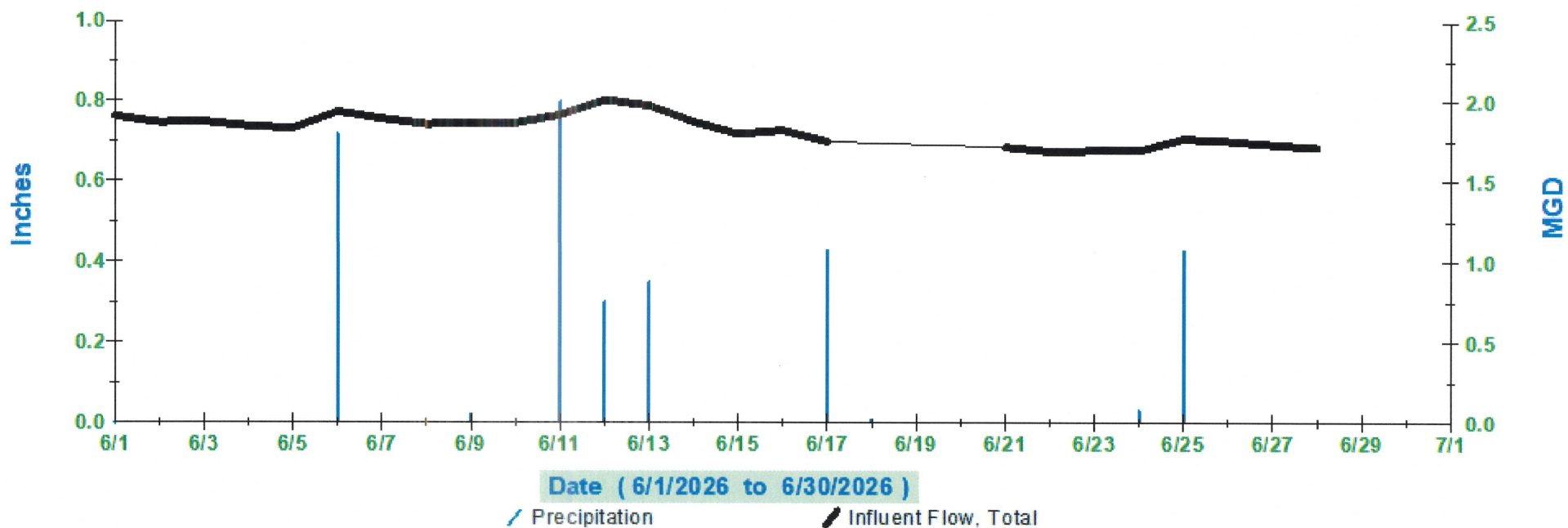
Plant Performance

Bod=Blue TSS=red NH3N=green PO4=Pink



Plant Performance

Precipitation vs Flow mgd



Precipitation vs Flow mgd