



Jerseyville, IL 1004 State Highway 16
Mt. Vernon, IL 800 Broadway Suite 3
Columbia, IL 310A Vision Drive
Maryville, IL 2140 Vadalabene Drive
Arnold, MO 1929 Richardson Road
618.498.6418 www.haengr.com

Addendum No. 1
for
Wastewater Treatment Facility Improvements
Village of Maestown
Monroe County, IL

H&A File No. 40038-500
March 18, 2026

The Contract Documents prepared by Heneghan & Associates, P.C. for Wastewater Treatment Facility Improvement for the Village of Maestown, dated January 2026, are hereby amended or clarified as follows:

GENERAL

Attached are the Pre-Bid meeting minutes and attendance list from the Pre-Bid meeting held March 10, 2026, 10:00am at the Village of Maestown, Illinois. The minutes are made as a part of this addendum, and the items stated in the minutes shall be followed.

PROJECT DRAWINGS

Changes/additions/clarifications to the project drawings are as listed below:

Sheet 7: The inside dimensions of Septic Tank A are 36'-8" L x 20'-0" W x 8'-0" D. The note in the section view indicating 20'x6'x26' is incorrect.

Sheet 8: The inside dimensions of Septic Tank B are 25'-8" L x 18'-0" W x 8'-0". The note in the section view indicating 18'x6'x25' is incorrect.

Sheet 13: Add note "Electrical connections from electric panel to blowers and to control panel, and from blowers to control panel are by contractor"

Sheet 13: Lemna is to provide the blowers and control panels for the polishing reactor.

Sheet 13: Available power at the site is 240 3-phase.

Sheet 14: Lemna is to provide the Polishing Reactor Tank.

Sheet 14: The Polished Reactor Tank is intended to be located completely below ground.

PROJECT SPECIFICATIONS

Changes/additions/clarifications to the project specifications are as listed below:

An updated **Bid Form for Construction Contract** is included with this addendum, only bids submitted on this bid form will be accepted.

- Add base bid item **#11 Ultrasonic Flow Meter** to the bid form.
- Add alternate bid item **#2 Replace E-ONE Grinder Pump** to the bid form. This work shall include replacement in kind of grinder pumps throughout the Village at locations as directed by the Engineer or Village. The grinder pump shall be E-ONE Extreme Series.
- Add alternate bid item **#3 Replace Myers Grinder Pump** to the bid form. This work shall include replacement in kind of grinder pumps throughout the Village at locations as directed by the Engineer or Village. The grinder pump shall be Myers model RJ1412HPL.

Add the attached **Section 46 00 20** Lemna Polishing Reactor to the specifications.

Add the attached **Section 46 00 30-1** Side Channel / Regenerative Blowers to the specifications.

Section 63.03: Add “Dosing Chamber Pump – Grundfos model SL1.30.A40.30.EX.4.61R.C is an acceptable alternative.”

Section 63.03: Add “Lift Station Pump – Grundfos model SEG.A15.20.EX.2.60M is an acceptable alternative.”

Section 65.03: The fixed film media design shall be revised to 102 square feet per cubic foot.

Section 65.05: This section shall be removed.

Section 65.08: The effluent quality requirements for process warranty are listed in the attached NPDES permit.

Section 64.07: Replace Section A with following:

The CONTRACTOR shall furnish and install two (2) ultrasonic flow meters. One shall be 8” diameter located at MH T1 for influent metering and one shall be 6” diameter located at the existing flow splitter manhole for effluent metering. They both shall meet the requirements set forth in the following specifications and as shown on the drawings. The instrument shall provide for continuous flow measurement, transmitting, and control of the flow. The meters shall be Endress+Hauser Proline Prosonic Flow W 400 Ultrasonic Flowmeter or equal.

End of Addendum.



Seth W. Elliott, P.E., Department Manager
Heneghan Associates

**Village of Maestown
Wastewater Treatment Facility Improvements
Pre-Bid Minutes**

Tuesday, March 10, 2026, 10:00 A.M.
Village of Maestown, 1030 Mill Street, Maestown, IL 62256

1. Introduce:
 - A. Heneghan & Associates' Representatives
 - B. Village of Maestown Representatives
2. Please sign the Attendance Sheet.
3. Bid Opening: **Thursday, March 26, 2026, @ 2:00 p.m., Village of Maestown, 1030 Mill Street, Maestown, IL 62256**
 - A. Addendums must be acknowledged (an Addendum will be emailed by end of day Friday, March 13, 2026). Items listed as of today on addendum will be discussed later.
 - B. 5% Bid Bond.
 - C. The Village of Maestown is tax exempt.
 - D. Hold bid prices for 120 days.
 - E. Engineer's estimate is **\$1,300,000**
4. If the Bids are acceptable, a recommendation will be given to the Village of Maestown. If accepted, the Contract will be tentatively awarded at the District's April 6, 2026, regular board meeting, after concurrence from Rural Development (RD) and the Illinois Environmental Protection Agency (IEPA) at which time the CONTRACTOR would be sent a Notice of Intent to Award (WPCLP 28). RD and IEPA concurrence on the Award would be expected within 60-90 days. The CONTRACTOR will then have two weeks to execute the necessary paperwork and bonding requirements. The Notice to Proceed is expected to be issued around July 6, 2026, with a construction start date of approximately July 28, 2026. Based on the schedule above, the substantial completion date will be approximately April 28, 2027.
5. Submit pay request(s) twenty (20) days prior to monthly Board meeting (1st Monday of each month) to Engineer. See Article 15 (page 66 of 87) of the "Standard General Conditions of the Construction Contract" for further information regarding progress pay requests.
6. Plan holders' list is available upon request. **Also available on the website haengr.com**
7. Easements – None, all portions of the project will be located within property owned by the Village.
8. Changes/Clarifications to the Plans and specifications currently include the following:
Plans:
None

Specs:

- 65.03 Submersible Wastewater Pumps
 - Dosing Chamber Pump – Grundfos model SL1.30.A40.30.EX.4.61R.C is an acceptable alternative.
 - Lift Station Pump – Grundfos model SEG.A15.20.EX.2.60M is an acceptable alternative.

9. Comments from HA:

- Regular working hours defined as 7:30 AM to 5:30 PM for Article 7.03.C of Standard General Conditions of the Construction Contract.
- Soil borings for the site will be available upon request
- Build America, Buy American Act (BABA) requirements apply
- Prevailing Wages – Davis Bacon
- Funding IEPA Water Pollution Control Loan Program (WPCLP) rules apply
 - DBE Subcontractor Rules – WPCLP 53-57, note advertisement for DBE must run at least 16 days prior to bid opening
 - Illinois Works Jobs Program Act – Apprenticeship Initiative (WPCLP 65-70) requirements apply.
- Wastewater Treatment Facility will need to stay in operation during construction. Contractor shall be responsible for all bypass pumping if required and coordination with the operator.

10. Comments from Village of Maeystown:

None

11. Comments/Questions from Contractors:

None

Meeting concluded at 10:15 A.M.



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Village of Maeystown Wastewater Treatment Facility Improvements

Village of Maeystown
 1030 Mill Street
 Maeystown, IL 62256

Attendance List

Name	Company	Title
Tyler Meyer	HENEGHAN ASSOCIATES	ENGINEER
HAL KLAUS	Korte & Luitjohan	Estimator
Janice Schepers	Maeystown	Clerk
Sandy Tutka	Maeystown	Trustee
Mark Davinray	Davinray Mech	P.M.
Thumy Waeffel	Heneghan Assoc.	Tech
Bobby Waeffel	Heneghan ASSOC	Tech.
Greg Backes	President Maeystown	President
Michelle Karkowski	USDA - RD	Area Specialist
Steve Shryock	RE Pedrotta	System Integrator
KEN LUIT JOHAN	KORTE & LUIT JOHAN	SUPERINTENDENT
Tim McInerney	MEI Electric	Estimator
CJ SANDERS	KAMEX	PM/ESTIMATOR
Chad Rhutzel		operator

BID FORM FOR CONSTRUCTION CONTRACT

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, and the General Conditions, ~~and the Supplementary Conditions.~~

ARTICLE 1—OWNER AND BIDDER

1.01 This Bid is submitted to:

Gregory Backes, Village President

Village of Maestown

1030 Mill Street, PO Box 54, Maestown, IL, 62256

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2—ATTACHMENTS TO THIS BID

2.01 The following documents are submitted with and made a condition of this Bid:

- A. Required Bid security;
- B. List of Proposed Subcontractors;
- C. List of Proposed Suppliers;
- D. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such authority within the time for acceptance of Bids;
- E. Contractor's license number as evidence of Bidder's State Contractor's License or a covenant by Bidder to obtain said license within the time for acceptance of Bids;
- F. Required Bidder Qualification Statement Sections, Article 1, 2, 3, 8.01, 8.03, 8.04 with supporting data; ~~and~~
- G. **If Bid amount exceeds \$10,000, signed Compliance Statement (RD 400-6). Refer to specific equal opportunity requirements set forth in the SupplementaryGeneral Conditions of the Construction Contract (EJCDC C-700);**
- H. **If Bid amount exceeds \$25,000, signed Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions (AD-1048);**
- I. **If Bid amount exceeds \$100,000, signed RD Instruction 1940-Q Exhibit A-1, Certification for Contracts, Grants, and Loans.**
- J. **Non-Collusion and certification statement**
- K. **Certification of Nonsegregated Facilities**
- L. **Certification Regarding Debarment, Suspension and Other Responsibility Matters**
- M. **Bidder Certification In Compliance with Article 33E-11 to the "Criminal Code of 2012"**

EJCDC® C-410, Bid Form for Construction Contract.

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Modified to include RD edits from RUS Bulletin 1780-26 (5/24/2023).

N. Bidder Certification Regarding the Use of Iron, Steel, Manufactured Products, and Construction Materials produced in the United States (Build America, Buy America Act)

O. Disadvantaged Business Utilization and Affirmative Efforts

ARTICLE 3—BASIS OF BID—LUMP SUM BID AND UNIT PRICES

3.01 *Unit Price Bids*

A. Bidder will perform the following Work at the indicated unit prices:

Base Bid- Addendum 1					
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Amount
1	Excavation and Site Work	Lump Sum	1	\$	\$
2	Piping, Manholes, Valves, & Appurtenances	Lump Sum	1	\$	\$
3	Primary Tanks	Each	2	\$	\$
4	Dosing Pumps	Each	2	\$	\$
5	Recirculating Pumps	Each	2	\$	\$
6	Recirculating Sand Filter System upgrades and modifications	Lump Sum	1	\$	\$
7	Fencing and gate around new land area	Lump Sum	1	\$	\$
8	Electrical	Lump Sum	1	\$	\$
9	Rock Excavation	Cubic Yards	300	\$	\$
10	Miscellaneous	Lump Sum	1	\$	\$
11	Ultrasonic Flow Meter	Each	2	\$	\$
Total of All Unit Price Bid Items					\$

Dollars

(In Words)

Alternate Bid- Addendum 1					
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Amount
1	Add Polishing Reactor complete with piping, structures, and appurtenances (Sheets 13-15)	Lump Sum	1	\$	\$
2	Replace E-ONE Grinder Pump	Each	10	\$	\$

3	Replace Myers Grinder Pump	Each	10	\$	\$
Total of All Unit Price Bid Items					\$

Dollars

(In Words)

B. Bidder acknowledges that:

1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
2. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 4—TIME OF COMPLETION

4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

4.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 5—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

5.01 *Bid Acceptance Period*

A. This Bid will remain subject to acceptance for 120 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

5.02 *Instructions to Bidders*

A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

5.03 *Receipt of Addenda*

A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date

ARTICLE 6—BIDDER’S REPRESENTATIONS AND CERTIFICATIONS

6.01 Bidder’s Representations

- A. In submitting this Bid, Bidder represents the following:
1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
 2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work, **including all Domestic Preference requirements.**
 4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the SupplementaryGeneral Conditions, with respect to the Technical Data in such reports and drawings.
 5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the SupplementaryGeneral Conditions, with respect to Technical Data in such reports and drawings.
 6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the SupplementaryGeneral Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder’s (Contractor’s) safety precautions and programs.
 7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
 8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
 9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
 10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
 11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

EJCDC® C-410, Bid Form for Construction Contract.

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Modified to include RD edits from RUS Bulletin 1780-26 (5/24/2023).

6.02 *Bidder's Certifications*

A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
 - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
 - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
 - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

Bidder:

(typed or printed name of organization)

By: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.

Attest: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

Address for giving notices:

Bidder's Contact:

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Phone: _____

Email: _____

Address: _____

Bidder's Contractor License No.: (if applicable) _____

SECTION 46 00 20
Lemna Polishing Reactor

PART 1 GENERAL

1.1 SUMMARY

A. This section includes the design, fabrication, supply, and installation of the polishing reactor system. It includes the fixed film media, the diffused air system, and the support frames.

1. Section 46 00 30 Diffused Aeration System Blowers

1.2 QUALIFICATIONS

A. Manufacturer's Qualifications

1. The design and supply of the Lemna Polishing Reactor shall be by Lemna Environmental Technologies, Inc.
2. The polishing reactor system supplier shall be experienced in the manufacture, installation, and operation of specified polishing reactor, as demonstrated by a minimum of (10) years in the polishing reactor business and a minimum of (25) installed polishing reactor systems.
3. The polishing reactor system supplier shall be experienced in the design, integration, and installation of similar polishing reactors when used in conjunction with aerated pond systems, as demonstrated by a minimum of (15) years' experience and a minimum of (50) installed polishing reactor/aerated pond systems
4. The polishing reactor system supplier shall be experienced in wastewater treatment processes and shall be prepared to demonstrate the effect on the client's process of the polishing reactor supplied through documented analysis relating to flow, and biological reaction kinetics.

1.3 SUBMITTALS

A. The Lemna Polishing Reactor supplier shall furnish a submittal package to the Engineer for approval prior to fabrication. The submittal package shall include:

1. Lemna Polishing Reactor drawings showing the location and orientation of the modules within the tank and all associated air piping.
2. A drawing of the polishing reactor module with overall dimensions and all components identified.
3. A listing of each component, their dimensions, material of construction, and other pertinent specifications.
4. A product warranty.

1.4 WARRANTY

A. The Lemna Polishing Reactor supplier shall warrant to buyer that all components furnished will be free from defects in materials and workmanship for a period of eighteen (18) months from the date of shipment or twelve (12) months from the commissioning, whichever comes first. In the event of material or workmanship failure, supplier shall repair or replace the damaged or defective components or services.

PART 2 PRODUCTS

2.1 POLISHING REACTOR SYSTEM

A. The polishing reactor system shall consist of fixed-film media, diffusers and air piping,

SECTION 46 00 20
Lemna Polishing Reactor

media support frames, and a modular cover.

2.2 FIXED FILM MEDIA

- A. The fixed film biological treatment media shall be fabricated from rigid polyvinyl chloride (PVC) sheets completely corrugated and forming a cross-corrugated pattern with each adjacent sheet, permitting continuous internal horizontal redistribution of both air and wastewater throughout the entire depth of media.
- B. To ensure adequate contact time and liquid film diffusion, the media shall be capable of redistributing the wastewater. The media shall provide a minimum of 720 mixing or horizontal redistribution points per 0.028 cubic meters (1 cubic foot) of media.
- C. The fixed film media is designed with a surface area of 48 to 102 square feet per cubic foot of media with a minimum 95% void to volume ratio.
- D. The fixed film biological treatment media PVC sheets shall be resistant to rot and fungal growth, and be chemically resistant to normal municipal concentrations of sewage acids, alkalis, organic solvents and organic compounds.
- E. The PVC compound shall be UV resistant and specially formulated to resist long-term fatigue cracking under continuous loading.

2.3 DIFFUSERS AND AIR PIPING

- A. The diffusers and air piping shall include the flange adapters, aeration laterals, lateral tees, feed pipes, diffuser assemblies, stainless steel hose clamps, and miscellaneous fittings. One supplier shall supply all components.
- B. The diffuser assemblies shall be constructed of 1 inch Schedule 80 PVC tubing. Each assembly shall have 60 orifices equally spaced to provide uniform airflow under each module. The assemblies shall be fabricated and assembled in a climate-controlled building.
- C. All feedlines shall be 31.75mm (1-1/4 inch) EPDM flexible hose fastened with stainless steel hose clamps. The feedline shall connect to each diffuser assembly in two locations.
- D. Laterals, tees, and Flange
 1. Lateral piping shall be DR17 IPS High Density Polyethylene (HDPE) pipe. Minimum pipe physical properties shall be as those designated by PE 4710 Industrial Piping. The aeration lateral piping and fittings shall be assembled together using a butt fusion welder.
 2. A flange adaptor is used to connect the lateral piping to the DIP air main. Flange adaptor shall consist of a flange adapter with back up plate. All nuts, bolts and washers shall be supplied with header piping.
 3. The feedline tees shall be factory fabricated using sidewall fusion.
- E. Miscellaneous Fittings
 1. Miscellaneous fittings are used to connect the aeration lateral feedline tees to the feedline piping and the feedline piping to the diffusers. Fittings shall be schedule 40 PVC with NPT and/or barbed fittings. Stainless-steel hose clamps shall be used to hold the barbed fittings securely.

2.4 MEDIA SUPPORT FRAME

- A. The media support frame shall be fabricated from 2-inch x 2-inch x 1/8 inch (50.8mm x

SECTION 46 00 20
Lemna Polishing Reactor

50.8mm x 3.175mm) 304 stainless steel angles and fastened together with 6.35mm (1/4 inch) threaded 303 stainless steel rods as shown on the drawings.

- B. All hardware shall be 18-8 stainless steel.

PART 3 EXECUTION

3.1 INSTALLATION

- A. The polishing reactor shall be shipped for final assembly in the field.
- B. The polishing reactor system supplier shall provide installation supervision services as part of overall polishing reactor supply.
- C. The polishing reactor system supplier shall provide technological wastewater treatment start-up services as part of overall polishing reactor supply.

3.1 MAINTENANCE

- A. The polishing reactor is a biological system and may requires periodic bacterial augmentation to support performance during changes in operating conditions (start up, low temperatures, etc.). The augmentation protocols are detailed in the operation and maintenance manual. The owner is responsible for monitoring operating conditions and implementing protocols to maintain the biological community necessary to achieve system performance.

PART 4 SCHEDULE

4.1 MODULES

No. of Units	Unit size (L x W x H) (ft)
2	6 x 6 x 4

SECTION 46 00 30-1

SPECIFICATIONS- Side Channel / Regenerative Blowers

Part I – GENERAL

1.01 THE REQUIREMENT

- A: The contractor shall furnish, test, install and place in satisfactory operation in the manner shown on the contract plans, FPZ model SCL XXX side channel air blower(s) as manufactured by FPZ.
- B: ALL equipment specified in this section shall be designed and furnished by the blower manufacturer, or the authorized representative, who shall be responsible for the suitability and compatibility of all included equipment.

1.02 MANUFACTURE

- A: The Side Channel blower/motor assemblies shall be supplied by a single manufacturer who is fully experienced, reputable and qualified in the supply of the equipment specified.

1.03 TESTING

- A: Blowers will receive factory mechanical run and amperage to be checked for compliance with standards.

1.04 SUBMITTAL & IO & M MANUALS

- A: Submittals shall be provided prior to construction and shall include, but not limited to the following (as required):
 - 1: Blower data sheet.
 - 2: Operating instructions.

PART 2 -- PRODUCTS

2.01 CONFIGURATION

The air blower(s) shall be side channel design, and shall be constructed with inlet and discharge connections oriented as shown on the contract drawings. Blowers should be mountable in any plane.

2.02 CONSTRUCTION

- A: Blower housing, cover, impeller to be of aluminum construction.
- B: Lubrication: bearings to be permanently sealed bearings and shall not require periodic greasing.
- C: Units will hold CE mark.
- D: Motor to be integrally mounted to blower housing.
- E: Belt driven blowers are not acceptable.

2.03 DRIVE MOTOR

The drive motor shall meet the following specification:

- The motor shall be TEFC.
- Terminal block connectors required.
- Thermal protector independent of supply power shall be provided.
- Class F insulation.
- 3 phase motors will have minimum voltage / frequency range as follows: 208-230 /460 V-60; 200-400-50
- Motors shall have CURUS marking from UL.
- 1.15 service factor
- Motors shall be tropicalized

2.04 MOTOR STARTER

- Direct On-Line Starters in polycarbonate enclosure Rated Nema 4
- All contactors and overload relays are UL approved
- AC 3 phase Inductive Motor rating from 9 amp through 80 amp
- Fully assembled single and three phase starters
- No cover wiring required
- “Start-Stop” or “Reset” external buttons come standard

PART 4 WARRANTY AND SERVICE

Blowers will have minimum 3-year warranty (from date of purchase).

PART 5 SCHEDULE

Site Conditions:

Site Elevation: 469 ft. AMSL

Electricity: 240 volt, 3 phase

Performance Conditions:

Air Flow per Blower: 22 SCFM

Discharge Pressure: 3.9 psig

Enclosure: yes

Quantities:

Total Number of Blowers: 2 .

Number of Units: 1 at 7.5 HP Operational

Number of Units: 1 at 7.5 HP Standby

NPDES Permit No. IL0022390

Notice No. SKT:25040901.skt

Public Notice Beginning Date: June 10, 2025

Public Notice Ending Date: July 10, 2025

National Pollutant Discharge Elimination System (NPDES)
Permit Program

PUBLIC NOTICE/FACT SHEET
of
Draft Reissued NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois EPA
Division of Water Pollution Control
Permit Section
2520 West Iles Avenue
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-0610

Name and Address of Discharger:

City of White Hall
116 East Sherman Street
White Hall, Illinois 62092

Name and Address of Facility:

City of White Hall STP
Disposal Plant Road
White Hall, Illinois
(Greene County)

The Illinois Environmental Protection Agency (IEPA) has made a tentative determination to issue a NPDES Permit to discharge into the waters of the state and has prepared a draft Permit and associated fact sheet for the above named discharger. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice/Fact Sheet. All comments on the draft Permit and requests for hearing must be received by the IEPA by U.S. Mail, carrier mail or hand delivered by the Public Notice Ending Date. Interested persons are invited to submit written comments on the draft Permit to the IEPA at the above address. Commentors shall provide his or her name and address and the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to those issues. Commentors may include a request for public hearing. Persons submitting comments and/or requests for public hearing shall also send a copy of such comments or requests to the Permit applicant. The NPDES Permit and notice numbers must appear on each comment page.

The application, engineer's review notes including load limit calculations, Public Notice/Fact Sheet, draft Permit, comments received, and other documents are available for inspection and may be copied at the IEPA between 9:30 a.m. and 3:30 p.m. Monday through Friday when scheduled by the interested person.

If written comments or requests indicate a significant degree of public interest in the draft Permit, the permitting authority may, at its discretion, hold a public hearing. Public notice will be given 45 days before any public hearing. Response to comments will be provided when the final Permit is issued. For further information, please call Surinder Tandon at 217/782-0610.

The following water quality and effluent standards and limitations were applied to the discharge:

Title 35: Environmental Protection, Subtitle C: Water Pollution, Chapter I: Pollution Control Board and the Clean Water Act were applied in determining the applicable standards, limitations and conditions contained in the draft Permit.

The applicant is engaged in treating domestic wastewater for the City of White Hall.

The length of the Permit is approximately 5 years.

The main discharge number is 001. The seven day once in ten year low flow (7Q10) of the receiving stream, Seminary Creek is 0 cfs.

The design average flow (DAF) for the facility is 0.36 million gallons per day (MGD) and the design maximum flow (DMF) for the facility is 0.935 MGD. Treatment consists of screening, grit removal, excess flow treatment, primary clarification, activated sludge, intermittent tertiary filtration. Sludge is treated by aerobic digestion, sludge drying beds and by land application.

This Reissued Permit does not increase the facility's DAF, DMF, concentration limits, and/or load limits.

Pursuant to the waiver provisions authorized by 40 CFR § 123.24, this draft permit is within the class, type, and size for which the Regional Administrator, Region V, has waived his right to review, object, or comment on this draft permit action.

This Permit recognizes and continues the year-round disinfection exemption approved by the IEPA on November 20, 1989 and included in past NPDES permit actions since that date. It is the IEPA's tentative decision that under Illinois Pollution Control Board regulations, the following reach of waterbody is not classified for primary contact use activities and is not subject to the fecal coliform water quality standard of 35 Ill. Adm. Code 302.209.

This draft permit does not contain requirements for disinfection of the discharge from discharge numbers(s) 001. From the point of discharge in Section 2, T11N, R12W to the confluence with Apple Creek has been determined to be unsuited to support primary contact activities (swimming) due to physical, hydrologic or geographic configuration. Anyone knowing of primary contact activities occurring within this water segment is invited to submit comments to the IEPA. Comments should give the nature of the activities (i.e swimming, fishing, canoeing, etc.), the location and months of the year when these activities have been observed. The IEPA is also interested in obtaining information on the proximity of residential dwellings and the accessibility of the public to this water segment. Anyone with such information is asked to submit comments to the IEPA on this draft permit action. Instructions for submitting comments are contained earlier in this document.

Application is made for the existing discharge(s) which are located in Greene County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

<u>Discharge Number</u>	<u>Receiving Stream</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Stream Classification</u>	<u>Integrity Rating</u>
001	Seminary Creek	39° 25' 06" North	90° 29' 09" West	General Use	Not Rated
002	Seminary Creek	39° 25' 06" North	90° 29' 09" West	General Use	Not Rated

To assist you further in identifying the location of the discharge(s) please see the attached map.

Seminary Creek, Waterbody Segment DBC, is listed on the 2024 Illinois Integrated Water Quality Report and Section 303(d) List as impaired.

The following parameters have been identified as the pollutants causing impairment:

Potential Causes

Total Phosphorus

Uses Impaired

Aquatic life use

The discharge(s) from the facility is (are) proposed to be monitored and limited at all times as follows:

Discharge Number(s) and Name(s): 001 STP Outfall

Load limits computed based on a design average flow (DAF) of 0.36 MGD (design maximum flow (DMF) of 0.935 MGD).

The effluent of the above discharge(s) shall be monitored and limited at all times as follows:

<u>Parameter</u>	<u>LOAD LIMITS lbs/day</u>			<u>CONCENTRATION</u>			<u>Regulation</u>
	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Daily Maximum</u>	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Daily Maximum</u>	
CBOD ₅ **	30 (78)		60 (156)	10		20	35 IAC 304.120 40 CFR 133.102
Suspended Solids**	36 (94)		72 (187)	12		24	35 IAC 304.120 40 CFR 133.102
pH	Shall be in the range of 6 to 9 Standard Units						35 IAC 304.125
Fecal Coliform	Monitor Only (May through October)						35 IAC 309.146
Chlorine Residual						0.05	35 IAC 302.208
Ammonia Nitrogen: (as N)							
March	6.0 (16)	15 (38)	24 (62)	2.0	4.9	8.0	35 IAC 355 and 35 IAC 302
April-October	4.5 (12)		9.0 (23)	1.5		3.0	
Nov.-Feb.	12 (31)		15 (38)	4.0		4.9	
Total Phosphorus (as P)			Monitor Only			Monitor Only	35 IAC 309.146
Dissolved Oxygen				Monthly Avg. not less than	Weekly Avg. not less than	Daily Minimum	
March-July				N/A	6.0	5.0	35 IAC 302.206
August-February				5.5	4.0	3.5	

*Load Limits are calculated by using the formula: $8.34 \times (\text{Design Average and/or Maximum Flow in MGD}) \times (\text{Applicable Concentration in mg/L})$

**BOD₅ and Suspended Solids (85% removal required): In accordance with 40 CFR 133, the 30-day average percent removal shall not be less than 85 percent.

This Permit contains an approval to treat and discharge excess flow as follows:

Discharge Number(s) and Name(s): Excess Flow Outfall 002

<u>Parameter</u>	<u>CONCENTRATION LIMITS (mg/L)</u>			<u>Regulation</u>
	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Daily Maximum</u>	
Total Flow (MG)				
BOD ₅ **	30	45		35 IAC 304.120 40 CFR 133.102
Suspended Solids**	30	45		35 IAC 304.120 40 CFR 133.102
pH	Shall be in the range of 6 to 9 Standard Units			35 IAC 304.125
Fecal Coliform	Daily maximum Shall not Exceed 400 per 100 mL			35 IAC 304.121
Chlorine Residual			0.75	35 IAC 302.208
Ammonia Nitrogen (as N)	Monitor Only			35 IAC 309.146
Total Phosphorus (as P)	Monitor Only			35 IAC 309.146
Dissolved Oxygen	Monitor Only			35 IAC 309.146

This draft Permit also contains the following requirements as special conditions:

1. Reopening of this Permit to include different final effluent limitations.
2. Operation of the facility by or under the supervision of a certified operator.
3. Submission of the operational data in a specified form and at a required frequency at any time during the effective term of this Permit.
4. More frequent monitoring requirement without Public Notice in the event of operational, maintenance or other problems resulting in possible effluent deterioration.
5. Prohibition against causing or contributing to violations of water quality standards.
6. Recording the monitoring results on Discharge Monitoring Report Forms using one such form for each outfall each month and submitting the forms to IEPA each month.
7. The provisions of 40 CFR Section 122.41(m) & (n) are incorporated herein by reference.
8. Effluent sampling point location.
9. Controlling the sources of infiltration and inflow into the sewer system.
10. A requirement to monitor and a limit of 0.05 mg/L for residual chlorine when it is used.
11. Burden reduction.
12. Submission of annual fiscal data.
13. Submission of semi annual reports indicating the quantities of sludge generated and disposed.
14. Reopening of this Permit to include revised effluent limitations based on a Total Maximum Daily Load (TMDL) or other water quality study.
15. Capacity, Management, Operations and Maintenance (CMOM) requirements.
16. Reasonable potential analysis and mixing study plan.

NPDES Permit No. IL0022390

Illinois Environmental Protection Agency

Division of Water Pollution Control

2520 West Iles Avenue

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

City of White Hall
116 East Sherman Street
White Hall, Illinois 62092

Facility Name and Address:

City of White Hall STP
Disposal Plant Road
White Hall, Illinois
(Greene County)

Receiving Waters: Seminary Creek

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of the Ill. Adm. Code, Subtitle C, Chapter I, and the Clean Water Act (CWA), the above-named Permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the Effluent Limitations, Monitoring, and Reporting requirements; Special Conditions and Attachment H Standard Conditions attached herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the Permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Brant D. Fleming, P.E.
Manager, Municipal Unit, Permit Section
Division of Water Pollution Control

BDF: SKT:25040901.skt

NPDES Permit No. IL0022390

Effluent Limitations, Monitoring, and Reporting

FINAL

Discharge Number(s) and Name(s): STP Outfall 001

Load limits computed based on a design average flow (DAF) of 0.36 MGD (design maximum flow (DMF) of 0.935 MGD).

From the effective date of this Permit until the expiration date, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

<u>Parameter</u>	<u>LOAD LIMITS lbs/day</u> <u>DAF (DMF)*</u>			<u>CONCENTRATION</u> <u>LIMITS mg/L</u>			<u>Sample</u> <u>Frequency</u>	<u>Sample</u> <u>Type</u>	
	<u>Monthly</u> <u>Average</u>	<u>Weekly</u> <u>Average</u>	<u>Daily</u> <u>Maximum</u>	<u>Monthly</u> <u>Average</u>	<u>Weekl</u> <u>y</u> <u>Averag</u> <u>e</u>	<u>Daily</u> <u>Maximum</u>			
Flow (MGD)							Continuous		
CBOD ₅ ** ****	30 (78)		60 (156)	10		20	2 Days/Month	Composite	
Suspended Solids****	36 (94)		72 (187)	20		24	2 Days/Month	Composite	
pH	Shall be in the range of 6 to 9 Standard Units							2 Days/Month	Grab
Fecal Coliform	Monitor Only (May through October)							1 Day/Month	Grab
Chlorine Residual						0.05	***	Grab	
Ammonia Nitrogen: (as N)									
March	6.0 (16)	15 (38)	24 (62)	2.0	4.9	8.0	1 Day/Week	Composite	
April-October	4.5 (12)		9.0 (23)	1.5		3.0	1 Day/Week	Composite	
November-February	12 (31)		15 (38)	4.0		4.9	1 Day/Week	Composite	
Total Phosphorus (as P)			Monitor Only			Monitor Only	1 Day/Month	Composite	
				Monthly Average not less than	Weekly Average not less than	Daily Minimum			
Dissolved Oxygen									
March-July				NA	6.0	5.0	1 Day/Month	Grab	
August-February				5.5	4.0	3.5	1 Day/Month	Grab	

*Load limits based on design maximum flow shall apply only when flow exceeds design average flow.

**Carbonaceous BOD₅ (CBOD₅) testing shall be in accordance with 40 CFR 136.

***See Special Condition 10.

****BOD₅ and Suspended Solids (85% removal required): In accordance with 40 CFR 133, the 30-day average percent removal shall not be less than 85 percent. The percent removal need not be reported to the IEPA on DMRs but influent and effluent data must be available, as required elsewhere in this Permit, for IEPA inspection and review. For measuring compliance with this requirement, 5 mg/L shall be added to the effluent CBOD₅ concentration to determine the effluent BOD₅ concentration. Percent removal is a percentage expression of the removal efficiency across a treatment plant for a given pollutant parameter, as determined from the 30-day average values of the raw wastewater influent concentrations to the facility and the 30-day average values of the effluent pollutant concentrations for a given time period.

Flow shall be reported on the Discharge Monitoring Report (DMR) as monthly average and daily maximum.

pH shall be reported on the DMR as minimum and maximum value.

Chlorine residual shall be reported on the DMR as a daily maximum value

Total Phosphorus shall be reported on the DMR as a daily maximum value.

Dissolved oxygen shall be reported on the DMR as a minimum value.

NPDES Permit No. IL0022390

Effluent Limitations, Monitoring, and Reporting

FINAL

Discharge Number(s) and Name(s): Excess Flow Outfall 002 (Flow in excess of 649 GPM)*

From the effective date of this Permit until the expiration date, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

<u>Parameter</u>	<u>CONCENTRATION LIMITS (mg/L)</u>		<u>Sample Frequency</u>	<u>Sample Type</u>
	<u>Monthly Average</u>	<u>Weekly Average</u>		
Total Flow (MG)			Daily When Discharging	Continuous
BOD ₅ *	30	45	Daily When Discharging	Grab
Suspended Solids	30	45	Daily When Discharging	Grab
pH	Shall be in the range of 6 to 9 Standard Units		Daily When Discharging	Grab
Fecal Coliform	Daily Maximum Shall not Exceed 400 per 100 mL		Daily When Discharging	Grab
Chlorine Residual	Daily Maximum shall not exceed 0.75 mg/L		Daily When Discharging	Grab
Ammonia Nitrogen (as N)	Monitor Only**		Daily When Discharging	Grab
Total Phosphorus (as P)	Monitor Only***		Daily When Discharging	Grab
Dissolved Oxygen	Monitor Only****		Daily When Discharging	Grab

*An explanation shall be provided in the comment section of the DMR should these facilities be used when the main treatment facility is not receiving Design Maximum Flow (DMF). The explanation shall identify the reasons the main facility is at a diminished treatment capacity. Additionally, the Permittee shall comply with the provisions of Special Condition 7.

Total flow in million gallons shall be reported on the Discharge Monitoring Report (DMR) in the quantity maximum column. The main treatment facility flows at the time that 002 Excess Flow Facilities are first utilized shall be reported in the comment section of the DMR in gallons per minute (gpm).

Report the number of days of discharge in the comments section of the DMR.

Fecal Coliform shall be reported on the DMR as daily maximum.

BOD₅ and Suspended Solids shall be reported on the DMR as a monthly and weekly average concentration.

**Ammonia Nitrogen shall be reported on the DMR as a daily maximum value.

***Total Phosphorus shall be reported on the DMR as a monthly average and a daily maximum value.

The duration of each 002 discharge and rainfall event including rainfall intensity (i.e., start and ending time) shall be provided in the comment section of the DMR.

pH shall be reported on the DMR as a minimum and a maximum value.

Chlorine Residual shall be reported on the DMR as a Daily Maximum value.

****Dissolved oxygen shall be reported on the DMR as a minimum value.

NPDES Permit No. IL0022390

Influent Monitoring, and Reporting

The influent to the plant shall be monitored as follows:

<u>Parameter</u>	<u>Sample Frequency</u>	<u>Sample Type</u>
Flow (MGD)	Continuous	
BOD ₅	2 Days/Week <u>And Daily when 002 is discharging</u>	Composite
Suspended Solids	2 Day/Week <u>And Daily when 002 is discharging</u>	Composite

Influent samples shall be taken at a point representative of the influent.

Flow (MGD) shall be reported on the Discharge Monitoring Report (DMR) as monthly average and daily maximum.

BOD₅ and Suspended Solids shall be reported on the DMR as a monthly average concentration.

NPDES Permit No. IL0022390

SPECIAL CONDITION 1. This Permit may be modified to include different final effluent limitations or requirements which are consistent with applicable laws and regulations. The IEPA will public notice the permit modification.

SPECIAL CONDITION 2. The use or operation of this facility shall be by or under the supervision of a Certified Class 2 operator.

SPECIAL CONDITION 3. The IEPA may request in writing submittal of operational information in a specified form and at a required frequency at any time during the effective period of this Permit.

SPECIAL CONDITION 4. The IEPA may request more frequent monitoring by permit modification pursuant to 40 CFR § 122.63 and Without Public Notice.

SPECIAL CONDITION 5. The effluent, alone or in combination with other sources, shall not cause a violation of any applicable water quality standard outlined in 35 Ill. Adm. Code 302 and 303.

SPECIAL CONDITION 6. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) electronic forms using one such form for each outfall each month.

In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated.

The Permittee is required to submit electronic DMRs (NetDMRs) instead of mailing paper DMRs to the IEPA unless a waiver has been granted by the Agency. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <https://www2.illinois.gov/epa/topics/water-quality/surface-water/netdmr/pages/quick-answer-guide.aspx>.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 25th day of the following month, unless otherwise specified by the permitting authority.

Permittees that have been granted a waiver shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attention: Compliance Assurance Section, Mail Code # 19
2520 West Iles Avenue
Post Office Box 19276
Springfield, Illinois 62794-9276

SPECIAL CONDITION 7. The provisions of 40 CFR Section 122.41(m) & (n) are incorporated herein by reference.

SPECIAL CONDITION 8. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

SPECIAL CONDITION 9. Consistent with permit modification procedures in 40 CFR 122.62 and 63, this Permit may be modified to include requirements for the Permittee on a continuing basis to evaluate and detail its efforts to effectively control sources of infiltration and inflow into the sewer system and to submit reports to the IEPA if necessary.

SPECIAL CONDITION 10. Any use of chlorine to control slime growths, odors or as an operational control, etc. shall not exceed the limit of 0.05 mg/L (daily maximum) total residual chlorine in the effluent. Sampling is required on a daily grab basis during the chlorination process. Reporting shall be submitted on the DMR's on a monthly basis.

SPECIAL CONDITION 11. The Permittee has undergone a Monitoring Reduction review and the influent and effluent sample frequency has been reduced for parameters due to sustained compliance. The IEPA may require that the influent and effluent sampling frequency for these parameters be increased without Public Notice. This provision does not limit EPA's authority to require additional monitoring, information or studies pursuant to Section 308 of the CWA.

SPECIAL CONDITION 12. During January of each year the Permittee shall submit annual fiscal data regarding sewerage system operations to the Illinois Environmental Protection Agency/Division of Water Pollution Control/Compliance Assurance Section. The Permittee may use any fiscal year period provided the period ends within twelve (12) months of the submission date.

Submission shall be on forms provided by IEPA titled "Fiscal Report Form For NPDES Permittees".

SPECIAL CONDITION 13: For the duration of this Permit, the Permittee shall determine the quantity of sludge produced by the treatment facility in dry tons or gallons with average percent total solids analysis. The Permittee shall maintain adequate records of the quantities of sludge produced and have said records available for U.S. EPA and IEPA inspection. The Permittee shall submit to the IEPA, at a

NPDES Permit No. IL0022390

minimum, a semi-annual summary report of the quantities of sludge generated and disposed of, in units of dry tons or gallons (average total percent solids) by different disposal methods including but not limited to application on farmland, application on reclamation land, landfilling, public distribution, dedicated land disposal, sod farms, storage lagoons or any other specified disposal method. Said reports shall be submitted to the IEPA by January 31 and July 31 of each year reporting the preceding January thru June and July thru December interval of sludge disposal operations.

Duty to Mitigate. The Permittee shall take all reasonable steps to minimize any sludge use or disposal in violation of this Permit.

Sludge monitoring must be conducted according to test procedures approved under 40 CFR 136 unless otherwise specified in 40 CFR 503, unless other test procedures have been specified in this Permit.

Planned Changes. The Permittee shall give notice to the IEPA on the semi-annual report of any changes in sludge use and disposal.

The Permittee shall retain records of all sludge monitoring, and reports required by the Sludge Permit as referenced in Standard Condition 25 for a period of at least five (5) years from the date of this Permit.

If the Permittee monitors any pollutant more frequently than required by this permit or the Sludge Permit, the results of this monitoring shall be included in the reporting of data submitted to the IEPA.

The Permittee shall comply with existing federal regulations governing sewage sludge use or disposal and shall comply with all existing applicable regulations in any jurisdiction in which the sewage sludge is actually used or disposed.

The Permittee shall comply with standards for sewage sludge use or disposal established under section 405(d) of the CWA within the time provided in the regulations that establish the standards for sewage sludge use or disposal even if the permit has not been modified to incorporate the requirement.

The Permittee shall ensure that the applicable requirements in 40 CFR Part 503 are met when the sewage sludge is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator.

Monitoring reports for sludge shall be reported on the form titled "Sludge Management Reports" to the following address:

Illinois Environmental Protection Agency
Bureau of Water
Compliance Assurance Section
Mail Code #19
2520 West Iles Avenue
Post Office Box 19276
Springfield, Illinois 62794-9276

SPECIAL CONDITION 14. This Permit may be modified to include alternative or additional final effluent limitations pursuant to an approved Total Maximum Daily Load (TMDL) Study or upon completion of an alternate Water Quality Study.

SPECIAL CONDITION 15: The Permittee shall work towards the goals of achieving no discharges from sanitary sewer overflows or basement back-ups and ensuring that overflows or back-ups, when they do occur do not cause or contribute to violations of applicable standards or cause impairment in any adjacent receiving water. Overflows from sanitary sewers are expressly prohibited by this permit and by 35 Ill. Adm. Code 306.304. As part of the process to ultimately achieve compliance through the elimination of and mitigating the adverse impacts of any such overflows if they do occur, the Permittee shall (A) identify and report to IEPA all SSOs that do occur, and (B) update the existing Capacity, Management, Operations, and Maintenance (CMOM) plan at least annually and maintain it at the facility for review during Agency Field Operations Section inspections. The Permittee shall submit copies of the CMOM to the IEPA upon written request. The Permittee shall modify the Plan to incorporate any comments that it receives from IEPA and shall implement the modified plan as soon as possible. The Permittee should work as appropriate, in consultation with affected authorities at the local, county, and/or state level to develop the plan components involving third party notification of overflow events. The Permittee may be required to construct additional sewage transport and/or treatment facilities in future permits or other enforceable documents should the implemented CMOM plan indicate that the Permittee's facilities are not capable of conveying and treating the flow for which they are designed.

The CMOM plan shall include the following elements:

A. Measures and Activities:

1. A complete map and system inventory for the collection system owned and operated by the Permittee;
2. Organizational structure; budgeting; training of personnel; legal authorities; schedules for maintenance, sewer system cleaning, and preventative rehabilitation; checklists, and mechanisms to ensure that preventative maintenance is performed on equipment owned and operated by the Permittee;
3. Documentation of unplanned maintenance;
4. An assessment of the capacity of the collection and treatment system owned and operated by the Permittee at critical junctions and immediately upstream of locations where overflows and backups occur or are likely to occur; use flow monitoring and/or

NPDES Permit No. IL0022390

sewer hydraulic modeling, as necessary;

5. Identification and prioritization of structural deficiencies in the system owned and operated by the Permittee. Include preventative maintenance programs to prevent and/or eliminate collection system blockages from roots or grease, and prevent corrosion or negative effects of hydrogen sulfide which may be generated within collection system;
6. Operational control, including documented system control procedures, scheduled inspections and testing, list of scheduled frequency of cleaning (and televising as necessary) of sewers;
7. The Permittee shall develop and implement an Asset Management strategy to ensure the long-term sustainability of the collection system. Asset Management shall be used to assist the Permittee in making decisions on when it is most appropriate to repair, replace or rehabilitate particular assets and develop long-term funding strategies; and
8. Asset Management shall include but is not limited to the following elements:
 - a. Asset Inventory and State of the Asset;
 - b. Level of Service;
 - c. Critical Asset Identification;
 - d. Life Cycle Cost; and
 - e. Long-Term Funding Strategy.

B. Design and Performance Provisions:

1. Monitor the effectiveness of CMOM;
2. Upgrade the elements of the CMOM plan as necessary; and
3. Maintain a summary of CMOM activities.

C. Overflow Response Plan:

1. Know where overflows and back-ups within the facilities owned and operated by the Permittee occur;
2. Respond to each overflow or back-up to determine additional actions such as clean up; and
3. Locations where basement back-ups and/or sanitary sewer overflows occur shall be evaluated as soon as practicable for excessive inflow/infiltration, obstructions or other causes of overflows or back-ups as set forth in the System Evaluation Plan.
4. Identify the root cause of the overflow or basement backup, and document to files;
5. Identify actions or remediation efforts to reduce risk of reoccurrence of these overflows or basement backups in the future, and document to files.

D. System Evaluation Plan:

1. Summary of existing SSO and Excessive I/I areas in the system and sources of contribution;
2. Evaluate plans to reduce I/I and eliminate SSOs;
3. Evaluate the effectiveness and performance in efforts to reduce excessive I/I in the collection system;
4. Special provisions for Pump Stations and force mains and other unique system components; and
5. Construction plans and schedules for correction.

E. Reporting and Monitoring Requirements:

1. Program for SSO detection and reporting; and
2. Program for tracking and reporting basement back-ups, including general public complaints.

F. Third Party Notice Plan:

1. Describes how, under various overflow scenarios, the public, as well as other entities, would be notified of overflows within the Permittee's system that may endanger public health, safety or welfare;
2. Identifies overflows within the Permittee's system that would be reported, giving consideration to various types of events including events with potential widespread impacts;
3. Identifies who shall receive the notification;
4. Identifies the specific information that would be reported including actions that will be taken to respond to the overflow;
5. Includes a description of the lines of communication; and
6. Includes the identities and contact information of responsible POTW officials and local, county, and/or state level officials.

For additional information concerning USEPA CMOM guidance and Asset Management please refer to the following web site addresses.
http://www.epa.gov/npdes/pubs/cmom_guide_for_collection_systems.pdf and
http://water.epa.gov/type/watersheds/wastewater/upload/guide_smallsystems_assetmanagement_bestpractices.pdf



217/782-3397

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JAMES JENNINGS, ACTING DIRECTOR