



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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PERMIT FOR PUBLIC WATER SUPPLY CONSTRUCTION

Evansville Water Utility
Shawn Wright, Director of Planning
1 Southeast 9th Street, Suite 200
Evansville, IN 47706

WS-12738

June 3, 2024

Permit Number

Date Issued

Liz Melvin, Section Chief
Construction Permits Section
Drinking Water Branch
Office of Water Quality

You are hereby notified that the Office of Water Quality has approved the general design of plans and specifications of water works improvements to the Evansville Water Utility public water system (PWSID 5282002). This permit allows for pumping facility construction for the Evansville Water Utility public water system located in Vanderburgh County, Indiana. This Permit is issued under provisions of Indiana Code (IC) 13-15, IC 13-18-16, 327 Indiana Administrative Code (IAC) 8-3, and 327 IAC 8-4-1.

Pursuant to IC 13-15-5-3 and IC 4-21.5-3-4(d), this Permit is effective on the date issued.

The project consists of rehabilitation and upgrades in the existing Campground Booster Station including:

- Installation of a third pump and associated piping and valves, variable frequency drive, and all other electrical and control appurtenances
- Replacement of existing electrical gear including motor control center
- Replacement of two existing pump motor starters with variable frequency drives
- Replacement of existing flow meter
- Replacement of existing remote terminal unit with programmable logic control including enclosure and all associated wiring and programming.

This Permit is issued with the following conditions:

1. That the permittee notify, in writing, Liz Melvin, Permits Section Chief, a minimum of ten (10) days, excluding Saturdays, Sundays, and State of Indiana

holidays, before exercising a permit issued in accordance with 327 IAC 8-3. The notification may be via email (dwpermits@idem.in.gov) and must include the construction permit number assigned, the location of the construction, a description of the construction, anticipated duration of the construction, and the phone number of the permittee or permittee's representative who will be present during the construction;

2. That after the commissioner has granted a construction permit, no changes in the application, plans, or specifications be made other than changes involving the replacement of equipment of similar design and capacity, none of which will change adversely the plant operation, its hydraulic design or waste products, or the distribution system design, operation, or capacity without first submitting in writing to the commissioner a detailed statement of such proposed changes and receiving an amended construction permit from the commissioner. Construction permits shall become void if the construction is not started within one (1) year from the date of issuance of the permit unless the duration of the permit has been extended by the commissioner after receiving a written request from the permittee, prior to the expiration of the permit, requesting such extension with no other changes to the permit, application, plans, or specifications as approved by the commissioner;
3. That the possession of any permit authorized by 327 IAC 8-3 not be construed to authorize the holder of the permit to violate any law of the State of Indiana or rule;
4. That the facility be designed, constructed, installed, and operated in such a manner that it will not violate any of the sanitary or health regulations or requirements existing at the time of application for the permit;
5. That the facility conform to the design criteria in the 2012 Edition of the "Recommended Standards for Water Works" established by the Great Lakes - Upper Mississippi River Board of State Public Health and Environmental Managers (10 State Standards), the American Water Works Association (AWWA) standards, or is based on such criteria which the applicant shows will produce drinking water of satisfactory quality and normal operating pressure at the peak operating flowrate in accordance with 327 IAC 8-3;
6. That all direct additives to the public water system shall be certified for conformance to ANSI/NSF Standard 60 and all indirect additives, including lubricants, coatings and equipment which conveys potable water, be certified for conformance to ANSI/NSF Standard 61;
7. That any pipe, plumbing fitting or fixture containing more than a weighted average of 0.25% lead, and solders or flux containing more than 0.2% lead are not to be used in the installation or repair of any piping on this project which conveys a potable water supply. Additional information may be obtained at the U.S. Environmental Protection Agency's website at <http://water.epa.gov/drink/info/lead/upload/epa815s13001.pdf>

8. That the rehabilitation and upgrades of the existing pumping station, the installation of a new pump, and all the civil, architectural, structural, mechanical, plumbing, electrical, and instrumentation and control improvements be performed without interruption of the continuous provision of water of adequate quality and quantity;
9. That all piping in plants and pumping stations be color coded in accordance with Section 2.14 of the 2012 edition of the "Recommended Standards for Water Works" established by the Great Lakes – Upper Mississippi River Board of State Public Health and Environmental Managers;
10. That the electrical service and electrical facilities required to power the booster pumping station are appropriately sized and designed and constructed in accordance with all applicable electric codes;
11. That automatic or remote-control devices for the booster pumps have a range between the start and cutoff pressure which will prevent excessive recycling;
12. That each booster pump has a pressure gauge on its discharge line and a compound gauge on its suction line located as close as possible to the pump;
13. That the booster station has a flow rate indicator and totalizing meter, and a method of recording the total water pumped;
14. That the booster pump station be provided with crane-ways, hoist beams, eyebolts, or other adequate facilities for servicing or removal of pumps, motors, or other heavy equipment;
15. That a sampling tap for collecting water samples be provided in the booster station. Sampling taps shall be of smooth nosed type without interior or exterior threads, shall not be of the mixing type, and shall not have a screen, aerator, or other such appurtenance;
16. That the disinfection of the booster station pumps, pipe and fittings follow procedures outlined by American Water Works Association Standard C653 Disinfection of Water Treatment Plants;
17. That two (2) successive sets of total coliform samples shall be collected at twenty-four (24) hour intervals from the water piping systems inside the booster station and the samples shall be tested by a certified laboratory and shall confirm the water in the mains and water piping systems are bacteriologically acceptable before the booster station is put into service. That the laboratory results from all the water system sampling performed shall have the assigned construction permit number, WS-12738 and the PWSID number, IN5282002 on them and be submitted to the Drinking Water Branch's Permit Section at dwpermits@idem.in.gov.

18. That all chlorinated water generated by the disinfection procedures shall be disposed of in a sanitary sewer with the approval of the local sewer authority or shall be disposed of to a location other than a sanitary sewer after the water has been dechlorinated in accordance with AWWA Standard C655 Field Dechlorination;
19. That SCADA network access and PLC data integrity of water process controls be secured;
20. That standby power supply shall be provided to ensure continuous service and that water may be pumped to the distribution system during power outages to meet the average day demand;
21. That fencing, locks on access manholes, and other necessary precautions will be provided to prevent trespassing, vandalism, and sabotage;
22. That backflow and back siphonage prevention be provided in accordance with 327 IAC 8-10; and
23. That an operation and maintenance manual including a parts list and parts order form, manufacturer installation instructions, operator training and safety procedures, and an operational trouble-shooting section be obtained by the public water system as part of any proprietary unit installed.

Plans and specifications entitled Campground Booster Station Rehabilitation certified by Scott Alan Lord, P.E. were submitted by HNTB Corporation on April 24, 2024.

This Permit shall become void if construction is not started by July 2025. Any fundamental change in plans or specifications which may affect drinking water quality, operations, or public health must be submitted for review and approval by this agency. This Permit may be modified, suspended, or revoked for cause including, but not limited to the following:

1. Violation of any term or condition of this Permit; or,
2. Obtaining this Permit by misrepresentation or failure to fully disclose all relevant facts.

Nothing herein shall be construed as guaranteeing that the proposed public water supply facility shall meet standards, limitations or requirements of this or any other agency of state or federal government, as this agency has no direct control over the actual construction and operation of the proposed project.

If you wish to challenge this permit, you must file a Petition for Administrative Review with the Office of Environmental Adjudication (OEA) and serve a copy of the petition upon IDEM. The requirements for filing a Petition for Administrative Review are found in IC 4-

21.5-3-7, IC 13-15-6-1 and 315 IAC 1-3-2. A summary of the requirements of these laws is provided below.

A Petition for Administrative Review must be filed with the Office of Environmental Adjudication (OEA) within fifteen (15) days of the issuance of this notice (eighteen (18) days if you received this notice by U.S. Mail), and a copy must be served upon IDEM. Addresses are:

Director	Commissioner
Office of Environmental Adjudication	Indiana Department of Environmental Management
Indiana Government Center North	Indiana Government Center North
Room N103	Room 1301
100 North Senate Avenue	100 North Senate Avenue
Indianapolis, Indiana 46204	Indianapolis, Indiana 46204

The petition must contain the following information:

1. The name, address, and telephone number of each petitioner.
2. A description of each petitioner's interest in the permit.
3. A statement of facts demonstrating that each petitioner is:
 - a. a person to whom the order is directed;
 - b. aggrieved or adversely affected by the permit; or
 - c. entitled to administrative review under any law.
4. The reasons for the request for administrative review.
5. The particular legal issues proposed for review.
6. The alleged environmental concerns or technical deficiencies of the permit.
7. The permit terms and conditions that the petitioner believes would be appropriate and would comply with the law.
8. The identity of any person(s) represented by the petitioner.
9. The identity of the person against whom administrative review is sought.
10. A copy of the permit that is the basis of the petition.
11. A statement identifying petitioner's attorney or other representative, if any.

Failure to meet the requirements of the law with respect to a Petition for Administrative Review may result in a waiver of your right to seek administrative review of the permit. Examples are:

1. Failure to file a Petition by the applicable deadline;
2. Failure to serve a copy of the Petition upon IDEM when it is filed; or
3. Failure to include the information required by law.

If you seek to have a permit stayed during the administrative review, you may need to file a Petition for a Stay of Effectiveness. The specific requirements for such a Petition can be found in 315 IAC 1-3-2 and 315 IAC 1-3-2.1.

Pursuant to IC 4-21.5-3-17, OEA will provide all parties with notice of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action. If you are entitled to notice under IC 4-21.5-3-5(b) and would like to obtain

notices of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action without intervening in the proceeding you must submit a written request to OEA at the address above.

If you have questions regarding your Petition for Administrative Review by the Office of Environmental Adjudication, please refer to the FAQs on OEA's website at <http://www.in.gov/oea>.

In order to assist the permit staff in tracking appeals, we request that you submit a copy of your petition to Liz Melvin, Permits Section Chief, OWQ Drinking Water Branch – Mail Code 66-34, 100 N. Senate Ave, Indianapolis, Indiana 46204-2251.

If you do not object to this Permit, you do not need to take any further action. If you have any questions regarding this matter, please contact Artemis Nikolaou, Permit Review Engineer, Office of Water Quality, at (317) 220-2106.

cc: Vanderburgh County Health Department (electronic copy)
Scott Alan Lord, P.E. (electronic copy)
Artemis Nikolaou, IDEM (electronic copy)
Lucio Ternieden, IDEM (electronic copy)
Anne Readle, IDEM (electronic copy)
Liz Melvin, IDEM (electronic copy)
Stacy Jones, IDEM (electronic copy)
Kelly Jones, IDEM (electronic copy)
Karla Goodman, IDEM (electronic copy)
Angie Wickiser, IDEM (electronic copy)