



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Commissioner

PERMIT FOR PUBLIC WATER SUPPLY CONSTRUCTION

Auburn Water Department  
Randy Harvey, Superintendent  
800 North Street  
Auburn, IN 46706

WS-12730

June 10, 2024

Permit Number

Date Issued

Liz Melvin, Section Chief  
Drinking Water Permits Section  
Office of Water

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 Auburn Water Department public water system (PWSID 5217001). This permit allows for chemical addition construction for the Auburn Water Department public water system located in Dekalb 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 at the Auburn South water treatment plant consists of the installation of a blended phosphate chemical addition unit for corrosion control, together with all the necessary appurtenances.

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](mailto: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 automatic controls be designed to allow override by manual controls;
9. That facility construction be performed without interruption of the continuous provision of water of adequate quality and quantity;

10. That SCADA network access and PLC data integrity of water process controls be secured;
11. 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;
12. That all pipes, tanks, and equipment which can convey or store potable water be disinfected in accordance with procedures outlined by AWWA Standard C653-13. The plans and/or specifications must outline the procedure and include the disinfection dosage, contact time, and method of testing the results of the procedure;
13. That where phosphate treatment is used, satisfactory chlorine residuals must be maintained in the distribution system;
14. That the physical characteristics, chemical composition, impurity limits, sampling, testing, marking, packaging, and storage of the blended phosphate solution (10% poly/90% ortho) meet the requirements of AWWA Standard B506-18. If an AWWA Standard is not available for the particular installation, the manufacturer's recommended installation procedure must be followed;
15. That EMD 90 YXL 33, a 10 Poly/90 Ortho blended phosphate solution, be certified to ANSI/NSF Standard 60;
16. That there be scales, loss-of-weight recorders or liquid level indicators, as appropriate for the phosphate solution feed, and that they be capable of providing reasonable precision in relation to average daily dose;
17. That the solution tank have a means to maintain uniform strength of solution and the chemical feed rate be proportional to water flow;
18. That the phosphate feed equipment conform to the requirements of Part 5 in the 2012 Edition of the "Recommended Standards for Waterworks" established by the Great Lakes - Upper Mississippi River Board of State Public Health and Environmental Manager;
19. That the phosphate feed equipment supply the necessary amounts of chemical at an accurate rate, and that a standby unit or pump be provided to replace the primary pump when out of service;
20. That public water supplies which feed poly and/or orthophosphates have test equipment capable of accurately measuring phosphates from 0.1 to 20 milligrams per liter (mg/l). Total phosphate must not exceed 10 mg/l measured as total PO<sub>4</sub>. Testing must be done at points that are representative of the entire system. Test results must be reported on the monthly report of operation form;

21. That liquid chemical storage tanks shall have an overflow and a receiving basin capable of receiving accidental spills or overflows without uncontrolled discharge. A common basin may be provided for each group of compatible chemicals, which provides sufficient containment volume to prevent accidental discharge in the event of failure of the largest tank;
22. That no direct connection exist between any sewer or drain and the overflow from the feeder or solution tank;
23. That at least one pair of rubber or neoprene gloves, a respirator certified by NIOSH, an apron or other protective clothing and goggles or face mask be provided for each operator. A deluge shower and/or eye washing device must be installed where strong acids and alkalis are used or stored; and
24. That an operation and maintenance manual including a parts list and parts order form, operator training and safety procedures, and an operational troubleshooting section be obtained by the public water system as part of any proprietary unit installed.

Plans and specifications entitled Water Plant Chemical Addition Permitting certified by William G. Etzler, P.E. were submitted by Abonmarche Consultants, Inc. on April 8, 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  
Office of Environmental Adjudication  
Indiana Government Center North  
Room N103  
100 North Senate Avenue  
Indianapolis, Indiana 46204

Commissioner  
Indiana Department of Environmental Management  
Indiana Government Center North  
Room 1301  
100 North Senate Avenue  
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 Lance Mabry, Permit Review Engineer, Office of Water Quality, at (317) 234-7423.

cc: Dekalb County Health Department (electronic copy)  
William G. Etzler, P.E. (electronic copy)  
Lance Mabry, IDEM (electronic copy)  
Liz Melvin, IDEM (electronic copy)  
Lucio Ternieden, IDEM (electronic copy)  
Judson Baker, IDEM (electronic copy)  
Stacy Jones, IDEM (electronic copy)  
Kelly Jones, IDEM (electronic copy)