



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Eric J. Holcomb
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Commissioner

PERMIT FOR PUBLIC WATER SUPPLY CONSTRUCTION

Cayuga Water Department
Cindy Wilson, Water Operator
312 South Eighth Street
Cayuga, IN 47928er Br

WS-12749

June 20, 2024

Permit Number

Date Issued

Matt Prater, Chief
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 Cayuga Water Department public water system (PWSID 5283002). This permit allows for water main and chemical addition construction for the Cayuga Water Department public water system located in Vermillion 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 installing 5,531 feet of 8-inch SDR18 PVC water pipe, 420 feet of which will be encased with 16-inch SDR 21 HDPE pipe, and 535 feet of 1-inch SDR 9 HDPE pipe for chlorine feed, 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) 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 the disinfection of the new water mains follow procedures outlined by American Water Works Association Standard C651-14 and produce bacteriologically satisfactory water in two (2) successive sets of total coliform samples collected at twenty-four (24) hour intervals, and tested by a certified laboratory, before the new water mains are released for use. The laboratory results must have the assigned permit number, WS-12749 and PWSID # IN5283002 on it and be submitted to the Drinking Water Branch's Permit Section at dwpermits@idem.in.gov;
7. 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;
8. 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>;

9. That the water mains be installed as shown and described on the plans and specifications entitled Water System Improvements Project certified by Dustin E. Whalen, P.E. that were submitted by HWC Engineering on May 20, 2024, as well as revisions to the plans submitted on June 10, 2024;
10. That the replacement of any lead service lines follows AWWA C810-17 Standard and any applicable Indiana State Revolving Fund requirements;
11. **Alternative to Technical Standard:** That at all locations in which the water main is within ten (10) feet horizontally of a sanitary sewer, the water main through the length of the water main where the required horizontal separation distance cannot be met will be installed in a waterworks grade 150 psi pressure rated casing and the ends of the casing are sealed. The location where this will occur is Station 0+37 to Station 1+98;
12. **Alternative to Technical Standard:** That at all locations in which the water main is within eight (8) feet horizontally of an existing wastewater manhole, the water main will be installed in a waterworks grade 150 psi pressure rated casing that extends at least 8 feet past the outside edges of the wastewater manhole, the ends of the casing are sealed, and the water main casing and all crossing sewers are separated by a minimum of six inches measured vertically from the outside edge of the casing to the outside edge of the sewer. The location where this will occur is Station 1+90;
13. **Alternative to Technical Standard:** That at all locations in which the water main is within eight (8) feet horizontally of a stormwater structure, the water main will be installed in a waterworks grade 150 psi pressure rated casing that extends at least 8 feet past the outside edges of the stormwater manhole or catch basin, the ends of the casing are sealed, and the water main casing and all crossing storm sewers are separated by a minimum of six inches measured vertically from the outside edge of the casing to the outside edge of the storm sewer. The location where this will occur is Station 19+67 to Station 19+90;
14. **Alternative to Technical Standard:** That at all locations in which the water main is within eighteen (18) inches vertically of a sewer, the water main will be installed in a waterworks grade 150 psi pressure rated casing that extends at least 10 feet past the outside edge of the sewer at the crossing in both directions, the ends of the casing are sealed, and the water main casing and sewer are separated by a minimum of six inches measured vertically from the outside edge of the casing to the outside edge of the sewer. The location where this will occur is Station 16+50 to Station 16+67;
15. That casing for railroad and state road crossings meet applicable INDOT standards;

16. That the chlorine piping system be designed and installed to convey chlorine gas in solution underground;
17. That pipes, fittings, valves, and fire hydrants conform to the latest standards issued by the American Water Works Association and/or National Sanitation Foundation (NSF). Pipes and pipe fittings containing more than eight percent (8%) lead shall not be used. All products must comply with American National Standards Institute/NSF standards;
18. That the minimum size of water main which provides for fire protection and serving fire hydrants shall be 6-inch diameter;
19. That all fire or flushing hydrants leads shall have auxiliary valves and be separated from potential sources of contamination by ten (10) feet horizontally measured from the outside edge of the hydrant to the outside edge of the potential sources of contamination;
20. That fire hydrants or flushing hydrants shall be located at points necessary so that the spacing between the hydrants shall not exceed six hundred (600) linear feet unless serving widely scattered customers and where future development is not expected, the hydrant spacing shall not exceed two thousand five hundred (2,500) linear feet;
21. That the isolation valve spacing shall not exceed six hundred (600) linear feet unless serving widely scattered customers and where future development is not expected, the isolation valve spacing shall not exceed two thousand five hundred (2,500) linear feet;
22. Air relief valves or other air relief devices shall be installed at any intermediate apex points in the water main where air may accumulate in the water main. All air relief valves must be equipped with an exhaust pipe extending to a downward facing elbow with a corrosion-resistant, twenty-four (24) mesh screened opening at an elevation of eighteen (18) inches above ground level. Manually operated air relief valves shall be used in areas within the one hundred (100) year flood plain, in a pit, chamber, or manhole where flooding may occur;
23. That all water mains and their accessories shall be installed, and pressure and leak tested in accordance with AWWA M55;
24. That wherever a cross-connection hazard as specified by 327 IAC 8-10-4(c) is designated, an air gap must be constructed or a reduced pressure principle backflow preventer must be installed, in accordance with 327 IAC 8-10-7, on the customer service line;
25. That water mains be covered with earthen cover in accordance with 327 IAC 8-3.2-17(d);

26. That water mains shall not be located within ten (10) feet measured horizontally from the outside edge of the water main to the outside edge of any existing and proposed sanitary sewers or storm sewers; unless the water main and sewers are crossing and comply with the following:
 - a. The water main and sewers must cross with the water main, and sewers separated by minimum of eighteen (18) inches measured vertically from the outside edge of the water main to the outside edge of the sewers,
 - b. The water main and sewers must cross with not less than a forty-five (45) degree angle measured from the centerlines of the water main and sewers,
 - c. The conditions specified in subsections a and b above are maintained for a minimum distance of ten (10) feet from either side of the water main as measured from the outside edge of the water main to the outside edge of the sewer,
 - d. All sewers must be marked to identify it is as a sewer wherever it crosses a water main,
 - e. At the crossings, one full length of water pipe shall be centered over the sewer so that the water main joints are as far from the sewer as possible;
27. That each new and repaired water mains to be placed in service be disinfected in accordance with AWWA Standard C651. 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; and
28. That samples shall be collected in accordance with AWWA Standard C651 from each new and repaired water main to be placed in service and be tested for coliform bacteria by a certified laboratory and shall confirm the water in the mains is bacteriologically acceptable before each water main is placed in service. That the laboratory results from all the water main sampling performed shall have the assigned construction permit number, WS-12749 and the PWSID number, IN5283002 on them and be submitted to the Drinking Water Branch's Permit Section at dwpermits@idem.in.gov.

Plans and specifications entitled Water System Improvements Project certified by Dustin E. Whalen, P.E. were submitted by HWC Engineering on May 20, 2024, as well as revisions to the plans submitted on June 10, 2024.

This Permit shall become void if construction is not started by July 2024. 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 Ian Caig, Permit Review Engineer, Office of Water Quality, at (317) 982-1639.

cc: Vermillion County Health Department (electronic copy)
Dustin E. Whalen, P.E. (electronic copy)
Ian Caig, IDEM (electronic copy)
Lucio Ternieden, IDEM (electronic copy)
Samuel Hart, IDEM (electronic copy)
Stacy Jones, IDEM (electronic copy)- lead
Kelly Jones, IDEM (electronic copy)
Liz Melvin, IDEM (electronic copy)
Camille Meiners, P.E., IDEM (electronic copy)
Abbi Kuhn, IDEM (electronic copy)

