



## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Eric J. Holcomb  
Governor

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Commissioner

### PERMIT FOR PUBLIC WATER SUPPLY CONSTRUCTION


Hamilton County Regional Utility  
D. Lee Buckingham II, Director of Administration  
1 North 8<sup>th</sup> Street, Suite 157  
Noblesville, IN 46060

WS-12587

Permit Number

June 30, 2023

Date Issued

  
Matt Prater  
Drinking Water Branch Chief  
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 Hamilton County Regional Utility public water system (PWSID 5229027). This permit allows for water main, pumping, storage and chemical addition construction for the Hamilton County Regional Utility public water system located in Hamilton 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 an interconnection to Indiana American Water – Sheridan (PWSID 5229014) at the intersection of Spring Mill Road and West 236<sup>th</sup> Street between Sheridan and Bakers Corner, installing approximately 1,205 feet of 24-inch HDPE DR-11 pipe, 16,990 feet of 20-inch DI pipe, 760 feet of 18-inch HDPE DR-11 pipe, 2,300 feet of 16-inch DI pipe, 2,495 feet of 12-inch PVC C-900 pipe, 320 feet of 8-inch PVC C-900 pipe, a booster station consisting of three (3) in-line centrifugal pumps each rated at 600 gpm at 35 feet of TDH, a sodium hypochlorite (12.5%) feed system consisting of two (2) 400-gallon double wall bulk tanks, transfer pump, 40-gallon double wall day tank and peristaltic feed pumps, an ammonium sulfate (19 – 41%) feed system consisting of a 150-gallon double wall bulk tank, transfer pump, 20-gallon double wall day tank and peristaltic feed pumps, a 500,000 gallon spheroidal elevated tank equipped with an in-tank mixer, 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 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 is released for use. The laboratory results must have the assigned permit number, WS-12587 and PWSID #

5229027 on it and be submitted to the Drinking Water Branch's Permit Section at [dwpermits@idem.in.gov](mailto: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. **Alternative to Technical Standard** – due to the space limitations with storm/sanitary structures, the new watermain will be located within 8 feet of storm/sewer structures. Therefore, to ensure equal or greater protection, the wastewater manhole pipe connection seals shall conform to the ASTM C923 Standard, the manhole is sealed to prevent exfiltration from the structures by application of an acceptable commercial interior manhole lining system, and all sewers crossing the water main are separated by a minimum of eighteen inches measured vertically from the outside edge of the sewer to the outside edge of the water main. For sanitary structure A20 on sheet 7WM12, the watermain will be encased and sewer connections to the manhole will conform to ASTM C923. Locations where this will occur include:

Sheet #	Sewer Type	Structure #	Station
7WM12	Sanitary	A20	89+60
7WM15	Sanitary	B80	114+60

10. **Alternative to Technical Standard** – due to the rural area of this project, greater than 600' isolation valve spacing is allowed. Locations where this will occur include:

Sheet #	Size	Station	Spacing
7WM2	20"	12+45	1,245'
7WM4	20"	26+05	1,360'
7WM5	20"	39+65	1,360'
7WM7	20"	54+90	1,525'
7WM9	20"	64+90	1,000'
7WM10	20"	72+40	750'
7WM12	20"	88+40	1,600'
7WM13	20"	100+85	895'
7WM16	20"	120+10	1,595'
7WM18	20"	131+65	1,155'
7WM20	20"	151+80	1,465'
7WM22	20"	164+25	1,245'

7WM24	20"	174+85	1,060'
7WM26	16"	6+70	670'
7WM29	16"	28+80	2,210'
7WM32	12"	18+95	1,895'

11. **Alternative to Technical Standard** – due to the space limitations with storm/sanitary structures, the new watermain will be located within 10 feet of storm sewers. Therefore, to ensure equal or greater protection, the length of water main where the minimum separation distance cannot be met shall be encased with the ends sealed. Locations where this will occur include:

Sheet #	Sewer Type	Structure Start	Structure End	Pipe Size	Length
7WM11	Sewer	86+30	90+25	20"	395'
7WM26	Sewer	6+00	6+75	18"	75'

12. That all dead-end mains shall end with a valve and one (1) additional length of pipe beyond the valve that is properly plugged or capped. That all dead-end mains shall have flushing devices that are sized to provide at least two and one-half (2.5) feet per second in the dead-end main during flushing. That no flushing device shall be directly connected to any sewer;
13. That whenever an entity designated as a cross connection hazard in 327 IAC 8-10-4(c) is initially connected to the distribution system, modifies their service line, or has a higher capacity meter installed, an air gap must be constructed, or a reduced pressure principle backflow preventer must be constructed and installed in accordance with 327 IAC 8-10-7 on the customer service line;
14. 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 C655-18 Field Dechlorination;
15. That the water storage tank mixer in the new 500,000-gallon water storage tank shall provide complete mixing at least once every twenty-four (24) hours with all equipment materials being placed inside the tank and headspace, including power cable, shall have ANSI/NSF Standard 61 certification;
16. That the new elevated water storage structure has a minimum 12-inch diameter overflow which is brought down to an elevation between twelve (12) and twenty-four (24) inches above the ground surface and discharges over a drainage inlet structure or a splash plate. This overflow must not be connected directly to a sewer or storm drain, must be screened with a # 24 (twenty-four) mesh, non-corrodible screen, and the overflow discharge must be visible;

17. That provisions, including sampling taps of the smooth nosed type without interior or exterior threads, are installed to facilitate collection of water samples from the proposed water storage tank, for both bacteriological and chemical analyses. The tap(s) shall be easily accessible and protected from freezing;
18. That coating of the 500,000-gallon elevated water storage tank shall comply with the current AWWA Standard, 0102-21, Coating Steel Water Storage Tanks;
19. That the disinfection of the elevated water storage tank follows procedures outlined in AWWA Standard C652-11 and produce bacteriologically satisfactory water in two (2) successive sets of total coliform samples collected at twenty-four (24) hour intervals before the elevated water storage structure is placed into operation. The laboratory results must have the assigned permit number, WS-12587 and PWSID # 5229027 on it and be submitted to the Drinking Water Branch's Permit Section at [dwpermits@idem.in.gov](mailto:dwpermits@idem.in.gov);
20. That the elevated storage tank vent be fitted with a twenty-four mesh non-corrodible screen in combination with an automatically resetting pressure-vacuum relief mechanism;
21. That the safety, first aid, accidental release, handling, storage, and disposal measures and any other special precautions outlined in the manufacturer's Safety Data Sheets for any chemical addition be followed;
22. Public water supplies with a chloramine residual shall have test equipment for ammonia, nitrite, nitrate, total chlorine, and free chlorine, with consideration given for the possible interference of chloramines; and
23. A monitoring program shall be established for each entry point, booster chlorination station and throughout the distribution system to verify proper chloramine formation and to monitor for nitrification occurrences.

Plans and specifications entitled US31 Corridor Infrastructure Investment Project Phase 1A & 1B certified by Andrew D. Gordon, P.E. were submitted by Wessler Engineering on May 11, 2023, with additional information on June 21, 2023 and June 28, 2023.

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 persons 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 Marc Hancock, Permit Review Engineer, Office of Water Quality, at (317) 533-0060.

cc: Hamilton County Health Department (electronic copy)  
Andrew D. Gordon, P.E. (electronic copy)  
Marc Hancock, IDEM (electronic copy)  
Lucio Ternieden, IDEM (electronic copy)  
Lily Alexander, IDEM (electronic copy)  
Liz Melvin, IDEM (electronic copy)  
Stacy Jones, IDEM (electronic copy)  
Travis Goodwin, IDEM (electronic copy)