



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

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Commissioner

PERMIT FOR PUBLIC WATER SUPPLY CONSTRUCTION

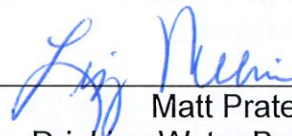
Charles Gill, Water Utility Manager
Greenfield Water Utility
451 Meek Street
Greenfield, IN 46140

WS-12743

Permit Number

June 6, 2024

Date Issued

 For: _____

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 Greenfield Water Utility public water system (PWSID 5230004). This permit allows for well construction for the Greenfield Water Utility public water system located in Hancock 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 well test project consists of the installation of a 24-inch steel approximately 99 feet deep gravel pack well, identified as TPW 1-4. Well TPW 1-4 will be installed with a 24-inch steel casing and a stainless-steel well screen in-situ with a vertical turbine pump, and without discharge piping, transmission main, electric instrumentation, or controls.

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 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>;
7. That automatic controls be designed to allow override by manual controls;
8. That facility construction of wells be performed without interruption of the continuous provision of water of adequate quality and quantity;
9. That prior to use as a public water supply well, an additional construction permit application will be required for well TPW 1-4 and must include plans and specifications for SCADA controls, electric instrumentation, discharge piping, valves, meters, transmission main, and all related equipment;

10. That all requirements of the enclosed Well Site Survey dated February 26, 2024, are met;
11. That well TPW 1-4 be constructed in accordance with AWWA Standard A100-20;
12. That all line-shaft vertical and horizontal pumps meet the requirements of AWWA Standard E103-15;
13. That the permanent well casing shall terminate at the higher level of at least eighteen (18) inches above finished grade or at least thirty-six (36) inches above the regulatory flood elevation;
14. That the well casing be vented to the atmosphere with a vent that terminates in a downward position at or above the top of the casing or the pitless adaptor unit. The vent shall have a minimum one and one-half (1 ½) inch diameter opening covered with a twenty-four (24) mesh, non-corrodible screen;
15. That the system be equipped with a sampling tap for raw water from the well. 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. The tap is to be located before all treatment and storage;
16. 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;
17. That the disinfection of the well follow procedures outlined by AWWA Standard C654-13;
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; and
19. That two (2) consecutively satisfactory bacteriological total coliform samples taken at least twenty-four (24) hours apart, one (1) satisfactory nitrate sample, and one (1) fluoride sample be taken from each well before the wells are put into production. The laboratory results must have the assigned permit number, WS-12743 and PWSID # 5230004 on it and be submitted to Drinking Water Branch's Permit Section at dwpermits@idem.in.gov.

Plans and specifications entitled TPW 1-4 certified by Kevin J. Marks P.E., were submitted by Wightman & Associates on May 3, 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: Hancock County Health Department (electronic copy)
Kevin J. Marks, P.E. (electronic copy)
Lance Mabry, IDEM (electronic copy)
Lucio Ternieden, IDEM (electronic copy)
Carolyn Chappell, IDEM (electronic copy)
Liz Melvin, IDEM (electronic copy)
Christian Walker, IDEM (electronic copy)

Attachment: Well Site Survey Approval



Indiana Department of Environmental Management

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Eric J. Holcomb
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February 26, 2024

Mr. Charles Gill
Greenfield Water Utility
451 Meek Street
Greenfield, IN 46140

Dear Mr. Gill:

Re: Well Site Survey-Wells 1-4 & 3-1
Greenfield Water Utility
PWSID #: IN5230004

Ms. Carolyn Chappell of this office conducted a well site survey on February 8, 2024 at Greenfield Water Utility, Hancock County; Greenfield, Indiana. All information has been received and the enclosed survey has been issued. The survey is valid for one (1) year from the date of the survey. A copy has been forwarded to the Construction Permit Section of the Drinking Water Branch.

If you have any questions regarding this correspondence, please contact Carolyn Chappell of my staff at CChappel@idem.IN.gov or by calling 317-694-2397. You may also contact Lucio Ternieden by email at LTernied@idem.IN.gov or by phone at 317-234-7461.

Sincerely,

Lucio M. Ternieden, Chief
Field Inspection Section
Drinking Water Branch
Office of Water Quality

Enclosure

Cc: Hancock County Health Department
Liz Melvin, IDEM Construction Permits
Jean Kocher, IDEM Construction
Permits

REPORT OF SURVEY
Proposed Well Site-Wells 1-4 & 3-1
Greenfield Water Utility
PWSID # IN5230004

LOCATION: Center Township, Hancock County, Indiana

SURVEYED BY: Carolyn Chappell, Indiana Department of Environmental Management

SURVEY DATE: February 8, 2024

GENERAL: A sanitary well site survey was conducted for a new production well at each of their well fields. The wells will be named US 40 – Well 3-1, North Park – Well 1-4.

GENERAL
DESCRIPTION
OF WELL SITE:

The proposed well sites are located: US 40 Well 3-1 is located approximately 900 feet west of Windswept Lane and 500 feet south of US 40. North Park Well 1-4 is located approximately 1,680 feet west of North Franklin Street and 1,030 feet south of East 300 North. Water from wells US 40, 3-1 and North Park, Well 1-4 when completed will feed Point of Entry 001, Treatment Plant #3 and Entry Point 002, North Park, North Treatment Plant and the Greenfield Water Utility.

COMMENTS: The proposed wells are new production wells that will serve the Greenfield Water Utility. There are a few sources of contamination within three thousand (3000) feet of the proposed location.

The proposed well locations covered in this report were surveyed from the standpoint of providing protection from sources of contamination originating near the ground surface in the vicinity of the proposed well.

CONDITIONS OF
OPERATION:

The proposed wells location complies with 327 IAC 8-3.4-9 and once permitted and installed may serve the Greenfield Water Utility Community public water supply subject to the following conditions.

1. That the Greenfield Water Utility public water supply system control the area within one hundred (100) feet from the well by, purchase, registered easement, long-term lease, or by covenants in the deeds of the surrounding land, prohibiting the construction or maintenance of any sewers, drains, privies, cesspools, septic tanks, or any other potential source of contamination within one hundred (100) feet of the wells. Copies of these documents are to be provided to this office.
2. That the Greenfield Water Utility public water supply system submits to this office a complete report on each well drilled. This report should include a log showing the different strata encountered and the depth of the pump setting, the length of the screen, the static and pumping water levels, pumping capacity, log of pump test, back-grouting, and details of how the well casing is sealed into rock, if rock is encountered. Copies of the

report shall be maintained on site.

3. That complete plans and specifications for the construction of the well and pumphouse, and treatment equipment, connecting piping, sampling spigots, and other pertinent information be certified according to 327 IAC 8-3.4-3 and submitted to the Permits Section, Drinking Water Branch of IDEM for review and approval.
4. That the system be equipped with a sampling tap for raw water from each of the wells. Sampling taps shall be of the 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. The tap is to be located before all treatment and storage tanks. The sample tap is to comply with the requirements of the ground water rule.
5. That two (2) consecutively satisfactory bacteriological samples taken at least twenty-four (24) hours apart, one (1) satisfactory nitrate sample, and one (1) fluoride sample be taken from each well before the wells are put into production. Copies of the sample results are to be mailed to Carolyn Chappell, Field Inspection Section, of the Drinking Water Branch.
6. That the area immediately surrounding the well casings be sloped, so that surface water drains away and prevent any water from pooling or standing next to the casing.
7. That in accordance with 327 IAC 8-3.4-16(a)(5)(A)(ii) the permanent well casings shall terminate at a level of at least eighteen (18) inches above finished grade or at least thirty-six (36) inches above the regulatory flood elevation if located in a designated flood hazard area identified by the Federal Emergency Management Agency (FEMA).
8. That original well logs and copies of well production tests are submitted to the Division of Water, Department of Natural Resources in accordance with IC 25-39-4 within thirty (30) days after completion. Copies of the logs and tests shall be maintained on site.
9. That a meter capable of measuring the discharge from each of the wells be located at a convenient point in the piping system.
10. That all chemical application to the grounds surrounding the well sites comply with label directions and in conformance with rules of the Indiana Office of the State Chemist and Indiana Administrative Code (IAC) at 355 IAC as applicable, 357 IAC as applicable and 327 IAC 8-3.4-9.
11. That storm or sanitary sewers, including field drain tiles, shall not be located within the isolation areas of a production wells unless constructed according to 327 IAC 8-3.4-9(5)(B).

12. That the well casings be at least fifty (50) feet in accordance with 327 IAC 8-3.4-20 for rotary well drilling and 327 IAC 8-3.4-21 for cable tool well drilling.
13. That a community well casing be of steel or stainless steel material.
14. A review of the IDEM's Office of Land Quality records show that the proposed well locations are not within two hundred (200) feet of a known Environmental Restrictive Covenant (ERC) property boundaries.
15. This well site survey shall be valid for a period of one (1) year ending February 8, 2025. If construction has not begun by February 8, 2025, a request for an updated well site survey or an extension of this survey must be made prior to beginning construction.
16. This well site survey approval is only valid for the location that is noted in this survey.

If IDEM issues a construction permit for this project, these conditions will be incorporated into the construction permit. This survey does not constitute a construction permit. You must obtain a valid construction permit prior to construction. If your construction application has not yet been submitted, you must include a copy of this survey as a part of a complete construction permit application.