



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Governor

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Commissioner

PERMIT FOR PUBLIC WATER SUPPLY CONSTRUCTION

Bernard Cunningham, Director of Operations
Corson Riverwoods
211 West Lincoln Avenue
Goshen, IN 46526

WS-12748

June 17, 2024

Permit Number

Date Issued

Liz Melvin, Section Chief
Drinking Water Permits Branch
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 Corson Riverwoods public water system (PWSID 2200276). This permit allows for well construction for the Corson Riverwoods public water system located in Elkhart 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 one 5-inch diameter PVC cased, gravel packed well equipped with a submersible pump rated at 10 GPM at 160 feet TDH, one 53-gallon pressure tank, and 240 ft of 1.25-inch 200 psi PVC pipe, 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 all requirements of the enclosed Well Site Survey dated April 23, 2024, are met;
7. That the well and water system be installed where and as shown on the site layout for the Corson Riverwoods Park prepared for the Elkhart County Parks by Bradley E. Mosness, P.E., that was submitted by Abonmarche for the well site survey, and as described and detailed on the completed application for well construction permit certified by Robert S. Maurer, Licensed Well Driller. The completed well form drawing and water system diagram was submitted by Maurer Well Service, Inc. on May 13, 2024;
8. That casing material for the well shall be new and conform to the requirements in 327 IAC 8-3.4-16;
9. That the well shall be pumped tested in accordance with 312 IAC 13-7-1 for a minimum of one (1) hour at a capacity at least equal to the pumping rate desired from the well during normal usage;

10. That the barrier posts shall be installed around the well as described in the Well Site Survey;
11. 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;
12. That the new well be disinfected in accordance with 327 IAC 8-3.4-24 and AWWA Standard C654, and 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;
13. That after the well has been chlorinated and allowed to rest for at least 12 hours and pumped to waste for a minimum of 15 minutes with no detectable chlorine residual, two (2) consecutive samples shall be collected in accordance with AWWA Standard C654 not less than thirty (30) minutes apart from the new well and be tested for coliform bacteria by a certified laboratory and shall all confirm that the water in the well is acceptable before the well is placed in service. That all the laboratory results from all well sampling performed shall have the assigned permit number, WS-12748 and PWSID number, IN2200276 on them, and be submitted to Drinking Water Branch's Permit Section at dwpermits@idem.in.gov; and
14. That a copy of well log and results of well production tests using the Record of Water Well State Form 35680 shall be submitted to the Division of Water, Department of Natural Resources in accordance with IC 25-39-4 and to the Drinking Water Branch's Permit Section at dwpermits@idem.in.gov prior to the operation of the well;
15. That one (1) satisfactory nitrate sample, and one (1) fluoride sample be taken from the new well before the well is put into production. The laboratory results must have the assigned permit number, WS-12748 and PWSID IN2200276 on it and be submitted to Drinking Water Branch's Permit Section at dwpermits@idem.in.gov;
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 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>

A site layout for the Corson Riverwoods Park prepared for the Elkhart County Parks by Bradley E. Mosness, P.E., was submitted by Abonmarche for the well site survey, and a completed application for well construction permit certified by Robert S. Maurer, Licensed Well Driller, a completed well form drawing, and a water system diagram were submitted by Maurer Well Service, Inc. on May 13, 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 Emma Ebener, Permit Review Engineer, Office of Water Quality, at (317) 719-8153.

cc: Elkhart County Health Department (electronic copy)
Robert S. Maurer, Licensed Well Driller (electronic copy)
Emma Ebener, IDEM (electronic copy)

Lucio Ternieden, IDEM (electronic copy)
Megan Wright, IDEM (electronic copy)
Liz Melvin, IDEM (electronic copy)
Christian Walker, IDEM (electronic copy)
Stacy Jones, IDEM (electronic copy)
Kelly Jones, IDEM (electronic copy)

Attachment: Well Site Survey Approval



Indiana Department of Environmental Management

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Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

April 23, 2024

Mr. Bernard Cunningham
Corson River Woods
211 West Lincoln Avenue
Goshen, IN 46526-3280

Dear Mr. Cunningham:

Re: Well Site Survey-Well 1
Corson River Woods
PWSID #: IN2200276

Megan Wright of this office conducted a well site survey on March 19, 2024 at Corson River Woods, Elkhart County; Elkhart, 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 Megan Wright of my staff at MEwright@idem.IN.gov or by calling 574-274-5778. 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: Elkhart County Health Department
Liz Melvin, IDEM Construction Permits
Jean Kocher, IDEM Construction Permits

REPORT OF SURVEY
Proposed Well Site
Corson River Woods
PWSID # IN2200276

- LOCATION: Middlebury Township, Elkhart County, Indiana
- SURVEYED BY: Megan Wright, Indiana Department of Environmental Management
- SURVEY DATE: March 19, 2024
- GENERAL: A sanitary well site survey was conducted for a new production well. The well will be named Well 1.
- GENERAL DESCRIPTION OF WELL SITE: The proposed well site is located approximately 111' south of the north property line and 250' west of the entry drive. Water from this well when completed will feed the restroom building.
- COMMENTS: The proposed well is a new production well that will serve the Corson River Woods. There are a few sources of contamination within one thousand (1000) feet of the proposed location.
- The proposed well location covered in this report was surveyed from the standpoint of providing protection from sources of contamination originating at or near the ground surface in the vicinity of the proposed well.
- CONDITIONS OF OPERATION: The proposed well location complies with 327 IAC 8-3.4-9 and once permitted and installed may serve the Corson River Woods NP public water supply subject to the following conditions.
1. That the Corson River Woods 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 Corson River Woods public water supply system submits to his 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 the well. 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/pressure tanks. The sample tap is to comply with the requirements of the ground water rule.
5. A well site review of the property in the standpoint of Groundwater Under Direct Influence (GWUDI) indicated that at this time no further action or raw water sampling for bacteria is needed to determine GWUDI. Should the well yield positive samples, further determination by this office may be required.
6. 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 Megan Wright, Field Inspection Section, of the Drinking Water Branch.
7. 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.
8. That in accordance with 327 IAC 8-3.4-16(a)(5)(A)(ii) the permanent well casing 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).
9. 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.
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 area of a production well unless constructed according to 327 IAC 8-3.4-9(5)(B).

12. That the well casing 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 where PVC casing is installed, barrier posts as described in 327 IAC 8-3.4-16(a) (4) (E) be installed to protect the well casings from damage. That three posts be placed in an equilateral formation no more than twenty-four (24) inches from the outside edge of the casing. The posts shall be concrete-filled steel posts at least four (4) inches in diameter or hollow steel at least twenty-five hundredths (0.25) of an inch in thickness. The posts shall be at least seven (7) feet in length and extend at least three (3) feet above grade and four (4) feet below grade.
14. This well site survey shall be valid for a period of one (1) year ending March 19, 2025. If construction has not begun by March 19, 2025, a request for an updated well site survey or an extension of this survey must be made prior to beginning construction.
15. 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.