



State of Ohio Environmental Protection Agency

STREET ADDRESS:

Lazarus Government Center
122 S. Front Street
Columbus, Ohio 43215

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MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

June 16, 2006

Re: Medina County
Application No. 426615 ws
Community Water System
Wadsworth City PWS - 5201712 (PWS ID)
Detail Plans for a New Well - Chippewa Creek Well Field
Plans Received April 11, 2006
Revised Plans Received May 31, 2006
From Burgess and Niple, Inc.

Mayor and Council
City of Wadsworth
120 Maple Street
Wadsworth, OH 44281

Ladies and Gentlemen:

The Ohio Environmental Protection Agency has reviewed the enclosed plans submitted pursuant to Ohio Revised Code Sections 6109.07 et. seq., or accepted the certification of plan review by an authorized professional engineer pursuant to a contract therefore. These plans are approved subject to the condition of compliance with all applicable laws, rules, regulations, and standards. The applicant is responsible for obtaining all other necessary approvals, waivers or releases required by state, federal or local law prior to implementing this plan. Further, all construction must be supervised by a registered engineer, if required by law, or expert qualified in such work.

The enclosed report or project summary sheet(s) contains a description of the facilities approved which may include information regarding approved operating rates, capacities, and requirements, and is incorporated herein.

This approval shall become void five years from the date of this letter unless the facilities are constructed as proposed by that date. By accepting this approval, the applicant acknowledges that this deadline shall not be considered or construed as extending or having any effect whatsoever on any compliance schedule or deadline set forth in any administrative or court order issued to or binding upon the applicant, and the applicant shall abide by such compliance schedules or deadlines to avoid the initiation of additional legal action by the Ohio Environmental Protection Agency.

The Division of Drinking and Ground Waters in the Northeast District Office of the Ohio Environmental Protection Agency shall be notified, in writing, as to a) the construction start date; b) the construction completion date; and c) the date the facilities were placed into operation.

Lead solder and flux that exceeds 0.2 percent lead content and any pipe or pipe fitting that exceeds an 8 percent lead content shall not be used in the installation of the proposed facilities.

For the purpose of the surface water treatment rules contained in Chapter 3745-81 of the Ohio Administrative Code (OAC), and in accordance with rule 3745-81-76 and the definitions of ground water and surface water contained in paragraphs (JJ) and (SSS) of Rule 3745-81-01:

Bob Taft, Governor
Bruce Johnson, Lieutenant Governor
Joseph P. Koncelik, Director

Well No. 1 is hereby designated as ground water in accordance with definition (II).

The director may redesignate a water source at any time that additional information indicates redesignation is appropriate.

Sanitary control of the area shall be maintained within a 300 foot radius of each water supply well.

Any well, well point, pit, or other device installed for the purpose of lowering the ground water level to facilitate construction of this project shall be properly abandoned in accordance with the provisions of Rule 3745-9-10 of the Ohio Administrative Code or in accordance with the provisions of this plan or as directed by the director of the Ohio Environmental Protection Agency or his representative. In addition, a well sealing report shall be filed with the Ohio Department of Natural Resources, Division of Water, within 30 days of completion, in accordance with Section 1521.01 of the Ohio Revised Code.

Any person installing any well, well point, pit, or other device used for the purpose of removing ground water from an aquifer shall complete and file a Well Log and Drilling Report form with the Ohio Department of Natural Resources, Division of Water, within 30 days of the well completion in accordance with the Ohio Revised Code, Section 1521.01 and 1521.05. In addition, any such facility that has a capacity to withdraw waters of the state in an amount greater than 100,000 gallons per day from all sources shall be registered by the owner with the Chief of the Division of Water, Ohio Department of Natural Resources, within three months after the facility is completed in accordance with Section 1521.16 of the Ohio Revised Code. For copies of the necessary well log, drilling report, or registration forms, please contact:

Division of Water
Ohio Department of Natural Resources
Fountain Square
Columbus, OH 43224-1387
(614) 265-6717

The proposed facility may be constructed only in accordance with plans approved by the director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the agency. Any deviation from the approved plans or the above conditions may lead to sanctions and penalties provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

Should there be any questions regarding the requirements, meaning, or interpretation of any of the above which we may clarify, please contact the Division of Drinking and Ground Waters, Northeast District Office, Ohio Environmental Protection Agency.

You are hereby notified that this action of the director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code by any person who was a party to this proceeding. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the director's action. A copy of the appeal must be served on the director of the Ohio Environmental Protection Agency and the Environmental Enforcement Section of the Office of the Attorney General within three (3) days of filing with the board.

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An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

Sincerely,



Joseph P. Koncelik
Director

JPK/fbs

cc: Northeast District Office
Division of Drinking and Ground Waters, Central Office
City Engineer, City of Wadsworth
Engineering Department Manager, City of Wadsworth
Superintendent of Water and Wastewater, City of Wadsworth
Water Treatment Plant Manager, City of Wadsworth
Medina County Health Department
Burgess and Niple, Inc.

REPORT ON DETAIL PLANS FOR THE CHIPPEWA CREEK WELL FIELD

CITY OF WADSWORTH
PWS ID NO. 5201712
OEPA PLAN REVIEW No. 426615

On April 12, 2006, detail plans were received in the Division of Drinking and Ground Waters at the Northeast District Office of the Ohio EPA. Revised plans were received on May 31, 2006. The plans were submitted by Burgess and Niple, Inc., Columbus, Ohio.

General

The City of Wadsworth currently has 12 wells which supply an average of 2.3 mgd to the city water treatment plant. The City proposes to add a new well and well field to supplement the existing wells. The new well field will be located South of Wadsworth and Doylestown, East of Black Diamond Road in Chippewa Township, Wayne County. It is proposed to construct one well at this location with a production capacity of 700 gpm.

Chippewa Well Field - Well No. 1

Well	Depth	75 ft
Casing	Depth	40 ft
	Height	4 ft above 100 year flood elevation
	Diameter	16 inches
	Material	steel
Grout	Material	cement
Pump	Test	constant rate - 1050 gpm for 24 hours stepped rate - 800, 1000 and 1200 gpm
Pump	Capacity	700 gpm
	TDH	350 ft
	Type	vertical turbine

The well will be constructed inside a barbed wire fenced enclosure with security lighting. A raised steel frame platform, extending 8 feet above grade, provides access to the well pump motor, flow meter and control panel. Top of casing extends 4 feet above the 100 year flood elevation. A minimum 300 foot isolation radius is provided around the well.

The well will be provided with a gravel pack and screen conforming to Ohio EPA requirements. Raw water sample tap, pump to waste connection, discharge header drain, level observation tube and vent are provided.

Results of the organic, inorganic and radiological analysis indicate compliance with all applicable Primary MCLs at the time of sampling. Total coliform negative (safe) raw water samples were obtained on March 22 and 26, 2002.

City of Wadsworth - Chippewa Well Field
June 13, 2006
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Well No. 1 (continued)

Well testing, materials used and construction methods will conform to the requirements of Ohio Administrative Code (OAC) Section 3745-09 and American Water Works Association (AWWA) Standard A100.

Estimated Cost

\$340,000.00

It is recommended that the plans be approved subject to the usual standard conditions.

A handwritten signature in black ink, appearing to read "Stephen Bopple". The signature is written in a cursive, flowing style.

Stephen Bopple, P.E.
Environmental Engineer
Division of Drinking and Ground Waters