



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live

Frank O Bannon
Governor

Lori F. Kaplan
Commissioner

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(317) 232-8603
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www.state.in.us/idem

October 1, 2000

Mr. Douglas Perry, Superintendent
Goshen Water Utilities
1000 W. Wilden Avenue
Goshen, IN 46528
PWSID# 5220009

RE: WHPA Delineation Review

Dear Mr. Perry,

This letter conveys the IDEM's approval of the Phase I Wellhead Protection Area delineation. The delineation of a WHPA is an important step in your community's efforts to protect the drinking water supply. Once the area that needs to be protected is identified and mapped, the inventory of potential contamination sources in the area can be used in the planning phase of the process. Based on our review, the community can proceed with the next steps outlined in the Indiana Wellhead Protection Program. These steps include:

- public participation in the wellhead protection local planning team
- identification and inventory of potential sources of contamination in the WHPA
- development of a WHPA management plan that describes management tools, contingency plans and educational efforts in the area

We commend your progress in completing a State approved WHPA delineation. If we can assist you in any way as you work to complete your Phase I management plan, please contact the IDEM wellhead protection technical staff toll-free at 800/451-6027 (ask for 308-3326).

Sincerely,

Jack Wittman, Ph.D

Mary Hoover, CPG

cc: Peerless-Midwest, Inc.

Holdren, Kent

From: Chapman, Mike [michael.chapman@peerlessmidwest.com]
Sent: Thursday, May 27, 2010 10:59 AM
To: Holdren, Kent
Subject: FW: Goshen info
Kent,

Below is the email from Travis Cole regarding the delineations.

Have a great day!

Michael L. Chapman, Jr., PG
Hydrogeologic Services Manager
Peerless-Midwest, Inc.
55860 Russell Industrial Parkway
Mishawaka, IN 46545
o - (574) 252-4142
f - (574) 254-0955
c - (574) 286-7958
michael.chapman@peerlessmidwest.com

From: Cole, Travis [mailto:TCole@idem.IN.gov]
Sent: Thursday, February 26, 2009 1:25 PM
To: Chapman, Mike
Subject: RE: Goshen info

I took a better look at the information and it still seems fine. You don't have to redelineate either of the well fields.

Travis Cole
Geologist
IDEM
Ground Water - Drinking Water
317-308-3323

From: Chapman, Mike [mailto:michael.chapman@peerlessmidwest.com]
Sent: Wednesday, February 25, 2009 9:35 AM
To: Cole, Travis
Cc: Williams, James
Subject: RE: Goshen info

Thanks.
Let me know when you have a final decision.

MLC Mobile 574 286 7958

-----Original Message-----

From: "Cole, Travis" <TCole@idem.IN.gov>
To: "Chapman, Mike" <michael.chapman@peerlessmidwest.com>
Sent: 2/25/2009 9:33
Subject: RE: Goshen info

8/16/2010

Yes.

Travis Cole
Geologist
IDEM
Ground Water - Drinking Water
317-308-3323

From: Chapman, Mike [mailto:michael.chapman@peerlessmidwest.com]
Sent: Wednesday, February 25, 2009 9:33 AM
To: Cole, Travis
Subject: RE: Goshen info

Is that for both well fields?

MLC Mobile 574 286 7958

-----Original Message-----

From: "Cole, Travis" <TCole@idem.IN.gov>
To: "Chapman, Mike" <michael.chapman@peerlessmidwest.com>
Cc: "SULLIVAN, JAMES" <JSULLIVA@idem.IN.gov>
Sent: 2/25/2009 8:57
Subject: RE: Goshen info

I still need to look at it more closely, but for you meeting it looks most likely that you will not have to re-delineate the area. The modeled pumping rates are still significantly higher than the actual pumping rates.

Travis Cole
Geologist
IDEM
Ground Water - Drinking Water
317-308-3323

From: Chapman, Mike [mailto:michael.chapman@peerlessmidwest.com]
Sent: Wednesday, February 25, 2009 8:26 AM
To: Cole, Travis
Cc: Travis, Rebecca; SULLIVAN, JAMES; Holdren, Kent
Subject: FW: Goshen info

Travis,

For the North well field the total discharge was modeled at a rate 475,437.6 ft³/day. Well 5A was not simulated. No areal recharge was applied to the model (see parameter values on last page of North.pdf).

The well coordinates (UTM NAD 27, Zone 16) for the North well field production wells are provided in goshennorthprodwells.txt. Well 7A was installed 25 feet northeast of Well 7. The Well 7A coordinates are 597,383E, 4,604,663N (UTM NAD27 Zone 16).

KercherAppendixE.pdf contains the modeled pumping rates for the Kercher well field as discussed within Goshen_Kercher_Wellfield_WHPA_Report.doc. The total modeled production rate for the Kercher well field was 372,761 ft³/day.

8/16/2010

I cannot verify the recharge rate that was assigned to the Kercher well field model at this time. It is not clearly spelled out in the report. I will have to dig into the archived model input files to try and determine the recharge value assignment if there was one.

I am now off to the Goshen LPT meeting. I can receive email on my phone. Please let me know as soon as possible whether or not the Goshen well field delineations need to be revised as part of the Phase II WHP Plan updates.

Michael L. Chapman, Jr., PG
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michael.chapman@peerlessmidwest.com

From: Chapman, Mike
Sent: Thursday, February 19, 2009 11:40 AM
To: 'Travis, Rebecca'
Subject: Goshen info

Rebecca,

Attached are 3 files that contain the summary information you need for review.

North.pdf contains pumping rate information for the Goshen North well field WHPA model. In the Appendix with the Groundwater flow model output file under 'Number of Wells = 10' Well#1 = North#2; Well #2=North#3; Well#3=North#4; Well#4=North6A; Well#5=North#7; and, Well#6=North#1A. Well#7 through Well#10 are the other high capacity wells represented within the model. The pumping rate values are in cubic feet per day (ft³/d).

The MSWord document and KercherAppendixE.pdf contain the pumping rates assigned to the Kercher well field.

Let me know if you have any further questions regarding Goshen.

Michael L. Chapman, Jr., PG
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