
From: Ostlund, Peter (DEQ)
Sent: Friday, September 09, 2011 7:44 AM
To: Babcock, Robert (DEQ); Leece, James (MSP)
Cc: Benzie, Richard (DEQ)
Subject: RE: Water Sector Request

I'll follow-up on the Flint with regards to 2 mgd WWTP upstream of the intake (I don't believe there are, but I'll verify that).

-Pele

From: Benzie, Richard (DEQ)
Sent: Thursday, September 08, 2011 2:36 PM
To: Ostlund, Peter (DEQ); Babcock, Robert (DEQ); Leece, James
Subject: RE: Water Sector Request

The information on drinking water systems contained in these messages and attachments appear accurate and complete with the possible exception of the Flint intake in the Flint River. It is an intake for a standby water treatment plant that will serve over 100,000 residents should it be placed in service. Although it is standby, we do expect the city to maintain both the intake and treatment plant in operating condition in case the DWSD pipeline should suffer a catastrophic failure. I don't know if that circumstance elevates Flint to your list of systems to be assessed but I thought I would mention it.

From: Ostlund, Peter (DEQ)
Sent: Thursday, September 08, 2011 7:33 AM
To: Babcock, Robert (DEQ); Leece, James
Cc: Benzie, Richard (DEQ)
Subject: RE: Water Sector Request

Jim and Bob, I believe I received responses from all of our districts (I copied Rich Benzie in case he has some knowledge about the answers to your second question).

WWTPs serving populations greater than 100,000 people:

- Lansing WWTP
- Flint WWTP
- Genesee Co-Ragnone WWTP (Montrose)
- Kalamazoo WWTP
- Detroit WWTP
- Warren WWTP
- Wayne CO Downriver WWTP
- YCUA WWTP (Ypsilanti Community Utilities Authority)

WWTPs greater than 2 MGD within 5 river miles of a water intake serving a population of 100,000 or more (our staff had problems understanding the question, so we may need more work on this). I started by looking at the Drinking water systems serving population greater than 100,000 in the attached spreadsheet:

- Ann Arbor - ??, we'll need to look at this one again.
- Grand Rapids - this is a Lake Michigan intake (if memory serves me), so is the question relevant?
- Lansing source is from the groundwater, so they don't have a river intake
- Kalamazoo source is from the groundwater, so they don't have a river intake

- Saginaw/Midland - this is a Lake Huron/Saginaw Bay intake, so is the question relevant?
- Detroit - we believe all of DWSD's intakes are more than 5 miles downstream of WWTPs > 2 mgd. We're still waiting to hear about one intake, but it appears to be OK. See attached note.

Is that the information you needed? Do we need to look at Grand Rapids and Saginaw/Midland in WWTP impacts since they are lake intakes?

-Pete

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From: Ostlund, Peter (DEQ)
Sent: Thursday, September 01, 2011 1:08 PM
To: Bartley, Cheryl (DEQ); Blazic, Ryan (DEQ); Casey, Steve (DEQ); Hartz, Andrew (DEQ); Hill, Charles (DEQ); Jankowski, Brian (DEQ); Jordan, Kameron (DEQ); Masterson, Mike (DEQ); Rudolph, Brian (DEQ); Russell, Jon (DEQ); Saldivia, Luis (DEQ); Vanderlaan, Mary (DEQ); Worm, Michael (DEQ); Yoon, Hae-Jin (DEQ)
Cc: Babcock, Robert (DEQ)
Subject: FW: Water Sector Request

The Michigan State Police are requesting information about WWTPs.

First they would like a list of any WWTPs serving populations greater than 100,000 people. Our database (NMS) doesn't have that information. Can you ask your staff what WWTP might fall into this category? I'm assuming the UP, Cadillac and Gaylord Offices won't be responding to this, but I would appreciate a response from the other districts.

They'd also like a list of WWTPs that discharge greater than 2 MGD within 5 river miles of a water intake serving populations of 100,000 or more. I assume that might only hit SEMI and Grand Rapids districts because you need a surface water intake serving a population greater than 100,000. That might only be DWSD and Grand Rapids/Wyoming. The attached files is helpful in identifying which systems serve populations of 100,000+.

If you can send me your list, or that you don't have anything on the list, I would appreciate it.

Here is a link of the population of Michigan cities: [http://en.wikipedia.org/wiki/List_of_municipalities_in_Michigan_\(by_population\)](http://en.wikipedia.org/wiki/List_of_municipalities_in_Michigan_(by_population))

thanks, Pete

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