
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).

-Pete

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

Peter Ostlund
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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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-----Original Message-----

From: Babcock, Robert (DNRE)
Sent: Tuesday, August 30, 2011 1:00 PM
To: Ostlund, Peter (DNRE); Hill, Charles (DNRE)
Subject: FW: FW: Water Sector Request

Pete

Here's what we gave MSP for drinking water fac's

bob

Robert F. Babcock
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"a life is not important except in the impact it has on other lives" Jackie Robinson

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

From: Chuhuran, Laura (DNRE)
Sent: Monday, August 29, 2011 11:12 AM
To: Babcock, Robert (DNRE); Leece, James
Subject: RE: FW: Water Sector Request

Jim, attached is a spreadsheet with, what I hope is, the info you requested regarding the Water Sector info.

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

From: Babcock, Robert (DNRE)
Sent: Thursday, August 18, 2011 10:50 AM
To: Arntz, Renee (DNRE); Brun Del Re, Paul (DNRE); Chuhuran, Laura (DNRE); Holmquist, Dan (DNRE); Koenigsknecht, John

(DNRE); Lack, Bruce (DNRE); Tomlinson, Matt (DNRE)

Cc: Leece, James

Subject: FW: FW: Water Sector Request

Hi staff

This is a Water Sector, ie, both drinking water and wastewater, inquiry

Dan, can you do the ww

Laura, can you do the dw

Review the criteria and come up w. a list of each...by 8/26 would be great

Thanks

bob

Robert F. Babcock

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

From: Leece, James [<mailto:LeeceJ@michigan.gov>]

Sent: Thursday, August 18, 2011 10:11 AM

To: Babcock, Robert (DNRE)

Subject: Re: FW: Water Sector Request

Bob,

Any luck identifying a list of drinking water facilities?

The Energy Sector suggested I focus on the state list of critical infrastructure identified by the criteria developed for the annual data calls.

This seems like a good approach to me. I'd like your thoughts on whether we should do the same for identifying the water facilities. Below is the Water criteria Jim Harkness at the CIP Desk gave me. Please take a look at the criteria and let me know if it appears to be what the Water Sector developed for the state. The Energy Sector noted Jim's list had some discrepancies with what they developed.

WATER SECTOR:

Category 1 Critical System:

Wastewater treatment facilities, wastewater collection systems and pumping systems (force * mains), wastewater storage system(s), Surface water and ground water systems, water transmission systems including reservoirs, or a ground or elevated storage that serve populations greater than 100,000 persons.

Surface water and ground water systems, water transmission systems including reservoirs, ground or elevated storage, that serve critical defense facilities (DIB), national laboratories, identified health care systems or critical manufacturing facilities.

Water reservoirs or groundwater aquifers that serve regional economies greater than \$100 million dollars including agriculture (irrigation) or that stabilize regional boundary conditions (contaminant intrusion).

Wastewater treatment facilities, wastewater collection systems and pumping systems (force * mains), or wastewater storage system(s) that discharge greater than 2 MGD within 5 river miles of a water intake serving populations of 100,000 or more.

Do you think this criteria should be used to identify the Water Treatment/Distribution and Waste Water facilities by region? Again, I'm attempting to identify vital facilities.

Jim.

>>> Babcock, Robert (DNRE) 7/29/2011 9:01 AM >>>

Kris

Is there a std list of drinking water facilities we could forward to Jim at MSP?...eg. serving populations greater than 3,300?

Thanks

bob

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

From: Leece, James [mailto:LeeceJ@michigan.gov]
Sent: Friday, July 29, 2011 8:35 AM
To: Babcock, Robert (DNRE)
Subject: Water Sector Request

Bob,

The rules and regulations for the Department of State Police are embodied in a series of Official Orders. One of the Orders deals with "Protection of Vital Public Utilities" (Electricity, Water, Petroleum/Natural Gas). I have been tasked with updating the Order which was last updated January 1997.

The Order requires enlisted members of the department to perform routine property inspections of vital public utilities. It's my belief officers may not be aware of all facilities in their geographic areas of responsibility. I hope to identify the name and physical location of all Water Treatment/Distribution and Waste Water facilities by region to attach as an annex to the Order. Not sure if this is feasible. Are you or someone at DEQ able to provide such a list?

Jim.

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