
From: Joseph, Mark (DEQ)
Sent: Monday, March 04, 2013 3:35 PM
To: Cook, Pat (DEQ)
Cc: Busch, Stephen (DEQ)
Subject: RE: Lagoons Sizes at Treatment Plants

Pat,
 Here is the information on the lime sludge lagoons in my area. Please contact me if you need any additional information.
 Mark.

1. City of Alma WSSN 00140 is a 4 MGD complete treatment plant with a 2 cell lime sludge lagoon system. The approximate acreage of each cell is 6.3 ac and 5.2 ac. This information was provided by the city of Alma engineering department. The city has not discharged or removed sludge from the lagoons since 1964.
2. City of Howell WSSN 03250 is a 3.1 MGD complete treatment plant with a 2 cell lime sludge lagoon system. The approximate acreage of each cell is 0.5 ac. This is based on file records. De-watering of the lagoons occurs through a collection of under drains below the lagoons that transport the effluent to the sanitary sewer system.
3. MHOG WSSN 04098 is a 9.1 MGD complete treatment plant with a 3 cell lime sludge lagoon system. The approximate acreage of each cell is 0.3 ac. This is based on MHOG records. Supernatant from the lime sludge lagoons is discharged to a detention pond with an under drain collection system that discharges to a nearby surface water. MHOG has an NPDES permit.

From: Cook, Pat (DEQ)
Sent: Monday, March 04, 2013 1:05 PM
To: Ashford, Stephen (DEQ); Bolf, Michael (DEQ); Brennan, Patrick (DEQ); Brookens, Todd (DEQ); Chooi, Wood (DEQ); Chuhran, Laura (DEQ); Conradson, Scott (DEQ); Dehtiar, Luke (DEQ); Donaldson, Kristina (DEQ); Drake, Jerry (DEQ); Esparsa, Brian (DEQ); Gotham, Daryl (DEQ); Huddas, Patricia (DEQ); Islam, Abuzoha (DEQ); Joseph, Mark (DEQ); London, Bob (DEQ); Lopez, Amber (DEQ); Pascoe, Doug (DEQ); Prysby, Mike (DEQ); Rice, Jim (DEQ); Skinker, Bethel (DEQ); Slater, Brad (DEQ); Swenor, Scott (DEQ); Thurston, Brian (DEQ); Wozniak, Gary (DEQ)
Cc: Shekter Smith, Liane (DEQ); Benzie, Richard (DEQ); Bloemker, Jon (DEQ); Busch, Stephen (DEQ); Lachance, Amy (DEQ); Thomas, Chuck (DEQ)
Subject: FW: Lagoons Sizes at Treatment Plants

Hi Everyone:

I hate to do this to you, but we have a request from the Attorney General's Office that is going to require your assistance. Attached is a list of water plants that they need to know the size of the lagoons of, preferably within a ¼ acre accuracy. See the below email for more details. Please note that they need this information by this Friday, March 8th.

Look at the list and if any of the plants on it are in your district, please respond back to me with the lagoon size ASAP. My guess is that this info is not in our files, so you may have to place a call to the plant superintendent to obtain the requested information.

Thanks in advance for your help in this matter.

Patrick Cook, P.E.
Community Drinking Water Unit
Office of Drinking Water & Municipal Assistance
Michigan Department of Environmental Quality
(517) 241-1242
cookp@michigan.gov

From: Leone, John (AG)
Sent: Monday, March 04, 2013 11:26 AM
To: Cook, Pat (DEQ)
Cc: Boase, Karen (DEQ); Pingel, Dave (DEQ)
Subject: Lagoons Sizes at Treatment Plants

Pat,

I need to determine the size, by acreage, of lagoons used at DW treatment plants. Hopefully we can determine this within 1/4-acre accuracy. It doesn't matter if the lagoons are actively being used or not. I need to explain to a Judge the usual size of these type of lagoons.

Attached is a list (compiled from the database) of the 16 water treatment plants that use lime and have lagoons (but maybe Flint and Sault Ste. Marie do not have lagoons; please confirm).

Would you please obtain for me the size of each lagoon at the treatment plants listed? I need to have this info by this Friday, March 8.

Anyone can call my direct line with any questions, etc. Thanks very much for moving fast on this.

John
517-335-0694

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