
Quarry new Alliant's Burlington Generating Station

4 messages

Levetzow, Kurt <kurt.levetzow@dnr.iowa.gov>

Tue, Jan 17, 2023 at 8:51 AM

To: stephenFREESE02@gmail.com

Cc: "Jones, Terry" <terry.jones@dnr.iowa.gov>, Brian Rath <brian.rath@dnr.iowa.gov>

Stephen,

In response to our phone conversation this morning, please respond to Terry, Brian and I with the photos of your quarry that you said has lost 3-3.5' of depth recently and you suspect it is a direct result of Burlington Generation Station closing their fly ash basin. You mentioned you have some photos of the red colored "stuff" in the water that I suspect may be some type of algal bloom. If you're able to obtain a sample of the material and have a lab analyze it to see if they can identify what the material is. Brian or Terry - after we see Stephen's photos, could you suggest what sample analyse should be ran to help determine what is discoloring the water.

Kurt



Kurt Levetzow - Environmental Program Supervisor

Iowa Department of Natural Resources

Field Office 6

1023 W. Madison St. Washington, IA 52353

Phone 319-653-2135 | Fax 319-653-2856

Cell 319-653-8081



Stephen Freese <stephenfreese02@gmail.com>

Tue, Jan 17, 2023 at 9:23 AM

To: "Levetzow, Kurt" <kurt.levetzow@dnr.iowa.gov>

Cc: "Jones, Terry" <terry.jones@dnr.iowa.gov>, Brian Rath <brian.rath@dnr.iowa.gov>

Thank you for sending me the email. Attached are pictures of our bigger lake (about 10.5 acres). Also attached is an aerial view of our property and ponds on the left and the Alliant ash pond on the right east of Sullivan Slough road. As discussed the contractor has an extensive well field around the perimeter of the ash pond and they have drawn down the water table in order to work in the pond. They are currently filling the pond with what appears to be black topsoil. As you can see our lake is down about 3.5 feet from where it normally is. We get some run off but the lake is spring fed and always crystal clear. When they started to draw down the water we noticed the lake going down and noticed the water becoming very murky. This early December we noticed the brown/red film under the ice and it has remained there. It appears Alliant's construction activities are effecting the level of our lake and also the quality of the lake water. We are not sure what we should do but we are very concerned with potential fish kill since we fish and eat them and we also swim in the lake in the summer time. Any suggestions? Thanks.

Sent from my iPad

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6 attachments


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Rath, Brian <brian.rath@dnr.iowa.gov>

Tue, Jan 17, 2023 at 10:30 AM

To: "Levetzow, Kurt" <kurt.levetzow@dnr.iowa.gov>, "Jones, Terry" <terry.jones@dnr.iowa.gov>

Kurt and Terry - Without elevation information of their pond and the dewatering elevation on Alliant property, it is hard to determine the groundwater flow direction. However, the logical assumption is it is flowing toward Alliant as the dewatering would be the low point. So, I suspect the relatively rapid dewatering of the Alliant property pulled water out of the pond and in turn pulled sediment in from the formation or even on the surface of the pond bottom. Plus exposing the formation to air could also have triggered something.

Therefore, I would tend to focus on pond and biological approach, which I'm not an expert in, versus contamination from Alliant. I also am not familiar with Iowa's water rights/law and whether or not they afford any direction to this situation - probably a water supply question.

With that said, if we want to look at potential groundwater impact from Alliant, my initial thoughts are to run an Appendix III. <https://www.law.cornell.edu/cfr/text/40/part-257/subpart-D>

On Tue, Jan 17, 2023 at 9:24 AM Stephen Freese <stephenfreese02@gmail.com> wrote:

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BRIAN L. RATH, P.E. | Environmental Engineer Senior
P: 515-537-4051

Jones, Terry <terry.jones@dnr.iowa.gov>

Tue, Feb 28, 2023 at 3:18 PM

To: Stephen Freese <stephenfreese02@gmail.com>, "Levetzow, Kurt" <kurt.levetzow@dnr.iowa.gov>

Mr. Freese-

Per our discussion yesterday, I'm providing you two contacts IPL - Burlington Generating Station Management Staff. The first is Jeff Maxted, Manager for IPL Environmental Services. He is out of the Corporate Office in Madison, WI. Phone number is 608-458-3853. His email is jeffreymaxted@alliantenergy.com. Second, is the local Project Manager for IPL, Chad Wall. I believe he is out of Cedar Rapids. His office number is 319-786-4210, cell 319-551-0169. I do not have an email for him but I would imagine it follows the general alliant energy format so I suspect it would be chadwall@alliantenergy.com. One of these gentlemen should be able to address your concerns moving forward. I'm still waiting to hear back from our Legal folks regarding our role in addressing the potential impact from IPL pond closure activities on surrounding properties. I'll be back in touch once I get input.

Jeff Maxted | Manager – Environmental Services, Generation Operations Support

Pronouns: He/him/his

Alliant Energy

4902 N Biltmore Lane | Madison, WI 53718

Office: (608) 458-3853

alliantenergy.com | jeffreymaxted@alliantenergy.com

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Terry Jones- Environmental Specialist Sr
Iowa Department of Natural Resources

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