

April 17, 2019
File No. 25218061.00

Mr. Jon Jackson
Alliant Energy
1031 Iowa Street
Dubuque, IA 52001-4817

Subject: Groundwater Monitoring System Certification
M.L. Kapp Generating Station, Clinton, Iowa

Dear Mr. Jackson:

The groundwater monitoring system at the M.L. Kapp Generating Station (KAP) is designed and constructed to meet the requirements of 40 CFR 257.91. The monitoring network was designed and constructed to represent the quality of background groundwater that has not been affected by leakage from the coal combustion residue (CCR) unit and the quality of groundwater passing the waste boundary of the CCR unit.

Based on the design information provided for our review, the number, spacing, and depths of the monitoring system components were determined using site-specific information in accordance with 40 CFR 257.91(b).

The groundwater monitoring system consists of one upgradient and five downgradient monitoring wells, which exceeds the minimum requirements of 40 CFR 257.91(c)(1).


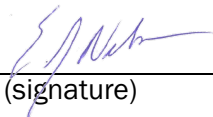
The groundwater monitoring network at the M.L. Kapp Generating Station is monitoring the inactive and capped Main Ash Pond which was closed in January 2018.

Based on the installation documentation provided for our review, the monitoring wells have been cased in a manner that will maintain the integrity of the monitoring well borehole and were constructed in accordance with the requirements of 40 CFR 257.91(e).

Based on monitoring data collected during the background monitoring period, installation of an additional background monitoring well is proposed, to supplement the installed monitoring network.



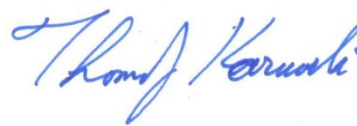
PE Certification

	<p>I, Eric J. Nelson, hereby certify that that the groundwater monitoring system at the M.L. Kapp Generating Station has been designed and constructed to meet the requirements of 40 CFR 257.91. This certification is based on my review of documentation in the operating record regarding the design, installation, and development of the groundwater monitoring system components. I am a duly licensed Professional Engineer under the laws of the State of Iowa.</p>
	<p> 4/12/2019 (signature) (date)</p>
	<p>Eric J. Nelson (printed or typed name)</p>
	<p>License number <u>23136</u></p>
	<p>My license renewal date is December 31, <u>2020</u>.</p>
	<p>Pages or sheets covered by this seal: Groundwater Monitoring System Certification</p>

Sincerely,



Eric J. Nelson, PE
Senior Project Manager
SCS Engineers



Thomas J. Karwoski
Senior Project Manager
SCS Engineers

NDK/AJR/TK/EJN

cc: Glenn Appler, Alliant Energy
Jeff Maxted, Alliant Energy
Brad Weber, Alliant Energy