

July 13, 2023  
File No. 25221162.00

Mr. Rob Saunders  
Ottumwa Generating Station  
20775 Power Plant Road  
Ottumwa, Iowa, 52051

Subject: Groundwater Monitoring System Update – Zero Liquid Discharge Pond Certification  
Ottumwa Generating Station, Ottumwa, Iowa

Dear Mr. Saunders:

The groundwater monitoring system for the Zero Liquid Discharge Pond (ZLDP) at the Ottumwa Generating Station (OGS) has been updated with one additional downgradient monitoring well. The monitoring system is designed and constructed to meet the requirements of 40 CFR 257.91. The monitoring network is sufficient to accurately represent the quality of background groundwater that has not been affected by leakage from the coal combustion residual (CCR) unit and the quality of groundwater passing the waste boundary of the CCR unit.


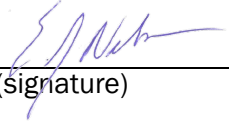
Based on the design information provided for our review, the number, spacing, and depths of the monitoring system components were determined using site-specific information in accordance with 40 CFR 257.91(b).

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


A separate groundwater monitoring system exists for the OGS Ash Pond. The two groundwater monitoring systems share the same upgradient background well.

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 wells borehole and were constructed in accordance with the requirements of 40 CFR 257.91(e).



	<p>I, Eric J. Nelson, hereby certify that the groundwater monitoring system for the Zero Liquid Discharge Pond at the Ottumwa 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> July 13, 2023 (signature) (date)</p>
	<p><b>Eric J. Nelson</b> (printed or typed name)</p>
	<p>License number <u>23136</u></p>
	<p>My license renewal date is December 31, 2024.</p> <p>Pages or sheets covered by this seal:</p>

Sincerely,

  
Eric J. Nelson, PE  
Project Director  
SCS Engineers

  
Thomas J. Karwoski  
Senior Project Manager  
SCS Engineers

MDB/REO/EJN/TK

cc: Jeff Maxted, Alliant Energy  
John Watts, Ottumwa Generating Station

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