

April 9, 2019
File No. 25218184.00

Ms. Jennifer Hynek
Prairie Creek Generating Station
3300 C St. Southwest
Cedar Rapids, IA 52404

Subject: Groundwater Monitoring System Certification Update
Prairie Creek Generating Station, Cedar Rapids, Iowa

Dear Ms. Hynek:

The groundwater monitoring system at the Prairie Creek Generating Station (PCS) 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 two upgradient and six downgradient monitoring wells, which exceeds the minimum requirements of 40 CFR 257.91(c)(1).



All CCR units at PCS were closed in 2018. Following closure of the CCR units two downgradient monitoring wells were added to the groundwater monitoring system, increasing the number of downgradient wells to six. Going forward the groundwater monitoring system will monitor the closure area, which includes the following closed CCR units:

- PCS Pond 1
- PCS Pond 2
- PCS Pond 3
- PCS Pond 4
- PCS Pond 5
- PCS Pond 6
- PCS Pond 7
- PCS Discharge Pond
- PCS Beneficial Use Storage Area
- PCS Bottom Ash Pile

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).



PE Certification

	<p>I, Eric J. Nelson, hereby certify that that the groundwater monitoring system at the Prairie Creek 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> 4/09/2019</p>
	<p>(signature) (date)</p>
	<p>Eric J. Nelson</p>
	<p>(printed or typed name)</p>
<p>License number <u>23136</u></p>	
<p>My license renewal date is December 31, 2020.</p>	
<p>Pages or sheets covered by this seal: <u>Groundwater Monitoring System Certification Update</u></p>	
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Sincerely,



Eric J. Nelson, PE
Senior Project Manager
SCS Engineers



Thomas J. Karwoski, PG
Senior Project Manager
SCS Engineers

MDB/lmh/EJN/TK

cc: Jeff Maxted, Alliant Energy
John Watts, Prairie Creek Generating Station