

April 17, 2019
File No. 25218062.00

Mr. George Kueny
Interstate Power and Light Company
2115 E. Nevada St.
Marshalltown, IA 50158

Subject: Groundwater Monitoring System Certification
Sutherland Generating Station, Marshalltown, Iowa

Dear Mr. Kueny:

The groundwater monitoring system at the Sutherland Generating Station (SGS) 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 residuals (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 four downgradient monitoring wells, which exceeds the minimum requirements of 40 CFR 257.91(c)(1).

The groundwater monitoring network at SGS is a multi-unit system that includes the following four inactive CCR units:


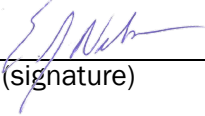
- SGS North Primary Pond
- SGS South Primary Pond
- SGS Main Pond
- SGS Polishing Pond

The multi-unit system is designed to detect monitored constituents at the waste boundary of the facility as required by 40 CFR 257.91(d).

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

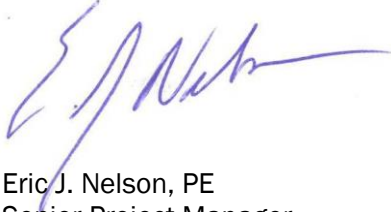
	<p>I, Eric J. Nelson, hereby certify that that the groundwater monitoring system at the Sutherland Generating Station has been designed and constructed to meet the requirements of 40 CFR 257.91. This certification is based on my review of documentation in the operating record regarding the design, installation, 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 (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, 2020.</p>
	<p>Pages or sheets covered by this seal: Groundwater Monitoring System Certification</p>

Mr. George Kueny

April 17, 2019

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Sincerely,



Eric J. Nelson, PE
Senior Project Manager
SCS Engineers



Thomas J. Karwoski
Senior Project Manager
SCS Engineers

NDK/AJR_Imh/TK/EJN/SCC

cc: Craig Crawford, Interstate Power and Light Company
Troy Booth, Alliant Energy
Jeff Maxted, Alliant Energy
Jill Stevens, Alliant Energy

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