



SCOTT A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

KEVIN STITT
Governor

March 2, 2020

Les Waller, Manager Water Quality/Operational Chemistry
OG&E
P.O. Box 321 N. Harvey
Oklahoma City, OK 73101-3000

Re: Certification of Final Closure; OG&E Muskogee Generating Station CCR surface impoundment; Muskogee County

Dear Mr. Waller:

The Department of Environmental Quality (DEQ) is in receipt of the Certification of Final Closure (Report) for the OG&E Muskogee Generating Station Coal Combustion Residuals (CCR) inactive surface impoundment, dated September 10, 2019 with supplemental information provided on November 20, 2019 and January 24, 2020. The Report, which includes a final closure report and groundwater monitoring report, was submitted in accordance with Oklahoma Administrative Code (OAC) 252:517-15-3.

Closure Report:

The CCR surface impoundment was closed in accordance with the approved closure plan and OAC 252:517-15-7(c), requirements for closure by removal of CCR. Closure was conducted from November 26, 2018 to August 21, 2019 and included the removal and disposal of 73,758.67 tons of CCR material at an approved off-site municipal solid waste (MSW) landfill. DEQ conducted a site inspection on March 14, 2019, after CCR had been removed.

Annual Groundwater Monitoring Report:

Groundwater monitoring was conducted throughout the closure process in accordance with OAC 252:517-9 and the approved Groundwater Statistical Analysis Plan. The monitoring well network consists of MW-1 and MW-5 as background wells, and MW-2, MW-3, and MW-4 as compliance wells. Groundwater flow is predominantly to the west and southwest toward the Arkansas River. Background samples for Appendix A and B parameters were collected between March 2018 and September 2018 followed by background screening, detection monitoring and statistical analysis of the April 2019 groundwater data. No well/constituent pair showed a statistically significant increasing trend during the April sampling event.

Appendix B parameters were compared to their respective maximum contaminant levels (MCLs) or groundwater protection standards (GWPS). In most cases Appendix B parameter concentrations were non-detect at the practical quantitation limit (PQL) of the analysis. In this case one half of the reported PQL is used as the concentration for comparisons with the GWPS.



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No Appendix B parameter exceeded its respective MCL or GWPS demonstrating compliance with the groundwater requirements of OAC 252:517-15-7(c).

Certificate of Closure:

The certificate of closure was signed by the owner/operator and a professional engineer indicating the inactive surface impoundment was closed in accordance with the closure plan and OAC 252:517-15-7(c). The closure report included a final closure map, a description of how the closure was performed and the annual groundwater monitoring report, meeting the requirements of OAC 252:517-15-3. No further monitoring is required. The monitoring wells may be plugged. All records must be retained for at least five (5) years in the operating record and facility website according to OAC 252:517-19-1 and 19-3.

DEQ approves the final closure. If you have any questions, please contact Martha Grafton of my staff at (405) 702-5144.

Sincerely,



Hillary Young, P.E.
Chief Engineer
Land Protection Division

HY/mg

CC: Tom Lazarski, OG&E
Tad Dow, OG&E