



I certify, as a Professional Engineer in the State of Kansas, that the design for the Fly Ash Area #2 Landfill (Unit) was assembled under my direct personal charge. The design was completed in accordance with the CCR Rule, specifically section 40 Code of Federal Regulations 40 CFR 257.70.

The landfill liner system was designed with an alternative composite liner meeting the requirements of 257.70(c)(1) through (3) consisting of an upper component of 60-mil high density polyethylene and a lower component of geosynthetic clay liner (GCL). The liquid flow rate through the lower component (GCL) is not greater than the liquid flow rate through two feet of compacted soil with a hydraulic conductivity of 1×10^{-7} cm/sec. in accordance with Equation 1 of the CCR Rule section 40 CFR 257.70.

The leachate collection and removal system was designed to collect and remove leachate from the landfill during the active life and post-closure care period in accordance with the requirements of 257.70(d). The leachate collection system was designed to maintain less than a 30-centimeter depth of leachate over the alternative composite liner system.

This certification is not intended to apply to any aspect of the construction, operation or maintenance of the Unit.



Matthew D. Bleything
Matthew D. Bleything, P.E.
Date: 9/12/19

Matthew D. Bleything
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