

Certification/Statement of Professional Opinion

The composite liner system design and leachate collection and removal system design for Sequences 4 through 9 of the Appalachian Power Company (APCO) John E. Amos FGD Landfill, located at the John E. Amos Power Plant, were prepared by GAI Consultants, Inc. (GAI) pursuant to the agreed upon Scope of Services GAI performed for the project, dated July 7, 2016. On the basis of and subject to the foregoing, it is my professional opinion as a Professional Engineer licensed in the State of West Virginia that the composite liner system and leachate collection and removal system engineering designs for Sequences 4 through 9 were prepared in accordance with good and accepted engineering practices as exercised by other engineers practicing in the same discipline(s), under similar circumstances, at the same time, and in the same locale.

It is my professional opinion that the engineering designs meet the technical requirements of the United States Environmental Protection Agency's "Standard for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments," published in the Federal Register on April 17, 2015, with an effective date of October 19, 2015 (40 CFR 257 Subpart D). This Certification/Statement of Professional Opinion is limited to the requirements in §257.70 (e) pertaining to the design of the composite liner system and leachate collection and removal systems, and does not certify that these systems have been constructed in accordance with the requirements of this section.

The use of the words "certification" and/or "certify" in this document shall be interpreted and construed as a Statement of Professional Opinion and is not and shall not be interpreted or construed as a guarantee, warranty, or legal opinion.

GAI Consultants, Inc.

Kerry L. Frech, P.E.
Civil Technical Leader

