

LOCATION RESTRICTION EVALUATION

CFR 257.60 – 257.64

Bottom Ash Pond

Big Sandy Plant
Louisa, Kentucky

October, 2018

Prepared for: Kentucky Power – Big Sandy Plant

Louisa, Kentucky

Prepared by: American Electric Power Service Corporation

1 Riverside Plaza

Columbus, OH 43215

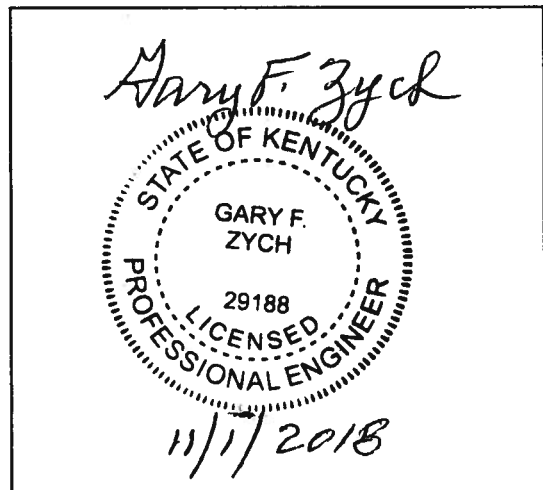


LOCATION RESTRICTION EVALUATION
CFR 257.60-257.64
BIG SANDY POWER STATION
BOTTOM ASH POND

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Manager - AEP Geotechnical Engineering



I certify to the best of my knowledge, information and belief that the information contained in this evaluation meets the requirements of 40 CFR 257.60-257.64

1.0 OBJECTIVE 257.60.-257.64

This report was prepared by AEP- Geotechnical Engineering Services (GES) section to summarize the Location Restrictions Evaluation for the Bottom Ash Pond.

2.0 NAME AND DESCRIPTION OF CCR SURFACE IMPOUNDMENT

The Big Sandy Power Plant is located north of the City of Louisa, Lawrence County, Kentucky. It is owned and operated by Kentucky Power Company. The facility has historically operated two surface impoundments for storing CCR called the Fly Ash Pond and the Bottom Ash Pond. This report deals with the Evaluation for the Bottom Ash Pond.

In November 2015, the Big Sandy Power Plant ceased burning coal and has been converted to natural gas. Kentucky Power Company made the decision to close the Bottom Ash Pond since it would no longer be required to receive CCR material. The Bottom Ash Pond was closed by removal and the work was completed in the Spring of 2018.

3.0 LOCATION RESTRICTIONS EVALUATION 257.60-257.64

A draft Location Restrictions Evaluation report was prepared in September 2015. The draft report demonstrated that the Bottom Ash Pond met the requirements of 257.61-257.64. The draft report also recommended that additional information was necessary to evaluate the isolation distance from the upper aquifer.

The Bottom Ash Pond was closed by removal. The removal of all CCR from the CCR unit was accomplished by excavation of the CCR material and contaminated soils, which were hauled and placed in the Big Sandy fly ash pond, as part of the fly ash pond closure. The soil dikes were excavated and used in creating the final grade. The area encompassed by the bottom ash pond was graded-to-drain using clean borrow soils. Finally, the area was seeded. All work was completed in the Spring of 2018.