

FAULT AREAS

CCR LANDFILL: Independence Steam Electric Station

CCR UNIT: Cell 16

Promus Engineering, LLC ("Consultant") has been retained by Entergy Arkansas, LLC (Entergy) to prepare the following assessment of whether the above-referenced coal combustion residuals ("CCR") landfill unit meets the location restriction for fault areas requirements set out in 40 C.F.R. § 257.62(a). Presented below are the project background, summary of findings, limitations, and certification.

BACKGROUND

Pursuant to 40 C.F.R. § 257.62(a), new CCR landfills, existing and new CCR surface impoundments, and all lateral expansions of a CCR unit must not be located within 60 meters (200 feet) of the outermost damage zone of a fault that has had displacement in Holocene time unless the owner or operator demonstrates that an alternative setback distance of less than 60 meters (200 feet) will prevent damage to the structural integrity of the CCR unit.

Pursuant to 40 C.F.R. § 257.62(b) and (c)(2), for a new CCR landfill, new surface impoundment, or any lateral expansions of CCR units, no later than the date of initial receipt of CCR in the CCR unit, the owner or operator must obtain a certification from a qualified professional engineer stating that the owner or operator has demonstrated that the CCR unit meets the requirements for fault areas.

In support of Consultant's assessment, Consultant completed a desktop evaluation of the location of the CCR unit and determined that sufficient information is available to document the required fault areas demonstration.

ASSESSMENT

Based on a review of available geologic data and mapping resources, including ArcGIS Online Map Viewer (Esri) utilizing published geologic datasets and the Fault Areas Map prepared for the Entergy Independence Plant Class 3N Landfill, the location of the landfill relative to known fault areas was evaluated.

The ArcGIS mapping incorporated publicly available geologic data sources, including U.S. Geological Survey (USGS) and Arkansas Geological Survey datasets, to identify mapped faults and tectonic features within the region. As shown on the attached Fault Areas Map, the landfill is located in northeastern Arkansas, within the Mississippi Alluvial Plain, and is situated outside of any mapped Holocene faults. The nearest region of notable seismic concern, associated with the New Madrid Seismic Zone, is located well to the east of the site.

No evidence of Holocene faulting has been identified at or in the immediate vicinity of the landfill site based on review of these data sources.

Therefore, the Entergy Independence Class 3N Landfill is not located within 200 feet (60 meters) of a fault that has had displacement in Holocene time, and Consultant concludes as follows:

CCR Unit	Fault Areas
Cell 16	Meets the requirements of 40 C.F.R. § 257.62(a)

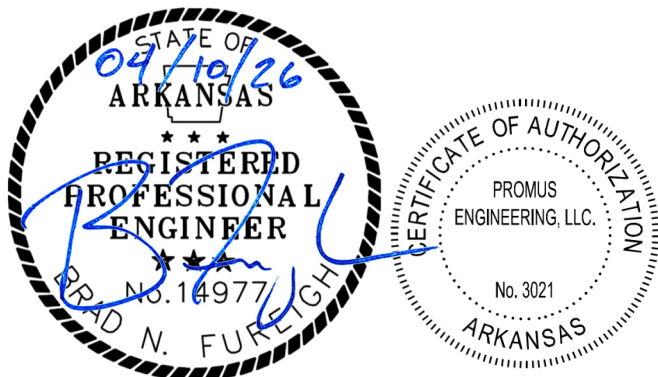


LIMITATIONS

The signature of Consultant's authorized representative on this document represents that, to the best of Consultant's knowledge, information, and belief in the exercise of its professional judgment, the information presented herein is accurate as of the date of such signature. Any opinion or decisions by Consultant are based on Consultant's experience, qualifications, and professional judgment and are not to be construed as warranties or guarantees. Opinions relating to environmental, geologic, and geotechnical conditions, or other estimates, are based on available data, and actual conditions may differ from those encountered at the times and locations where data were obtained, despite the use of due care.

CERTIFICATION

I, Brad N. Fureigh, PE, of Promus Engineering, LLC. (Promus), being a Registered Professional Engineer in the State of Arkansas, do hereby certify, to the best of my knowledge, information, and belief, that the CCR unit that is the subject of this report, dated April 10, 2026 meets the location restriction requirements for fault areas pursuant to 40 C.F.R. § 257.62(a), and that this report is true and correct and has been prepared in accordance with generally accepted good engineering practices.



Brad N. Fureigh, PE
AR Registered Professional Engineer No.: 14977

April 10, 2026

Date



ATTACHMENT A

FAULT AREAS MAP

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- Areas

SGMC Geology

Igneous, intrusive

Igneous, volcanic

Igneous, undifferentiated

Igneous and Metamorphic, undifferentiated

Igneous and Sedimentary, undifferentiated

Metamorphic, schist

Metamorphic, sedimentary clastic

Metamorphic, undifferentiated

Metamorphic and Sedimentary, undifferentiated

Sedimentary, carbonate

Sedimentary, chemical

Sedimentary, clastic

Sedimentary, undifferentiated

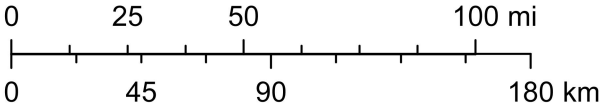
Unconsolidated and Sedimentary, undifferentiated

Unconsolidated, undifferentiated

Water

Unknown

World_Hillshade



Geology, Geophysics, and Geochemistry Science Center (GGGSC),
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap

PREPARED FOR:



PREPARED BY:



FAULT AREAS MAP

ENERGY INDEPENDENCE PLANT
CLASS 3N LANDFILL
NEWARK ARKANSAS

PROJECT NO.:
250106

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DESCRIPTION

REV

DATE

DRA. BY

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