

NON-APPLICABILTY REPORT

MEREDOSIA ENERGY CENTER

FLY ASH POND

MEREDOSIA, ILLINOIS

Prepared for

AmerenEnergy Medina Valley Cogen, LLC

Prepared by

Geosyntec 
consultants

engineers | scientists | innovators

1 McBride and Son Center Drive, Suite 202
Chesterfield, Missouri 63005

Project Number GLP8085

May 2025

INTRODUCTION

This Non-Applicability Report (“Report”) has been prepared on behalf of AmerenEnergy Medina Valley, LLC (Medina Valley) to meet the requirements of 40 CFR. 257.100(f)(1)(iii)(F). The revised rule was promulgated in May 2024 as a revision to the federal CCR rule (40 CFR Part 257, Subpart D). The purpose of this Report is to provide notification that the CCR surface impoundment owned and operated by Medina Valley at the former Meredosia Energy Center does not meet the definition of a legacy CCR surface impoundment.

An Applicability Extension Report [2] was previously developed for the Fly Ash Pond and submitted by Medina Valley in accordance with the requirements of 40 CFR 257(f)(1)(iii). A field investigation workplan was included within the Applicability Extension Report to address identified data gaps. This Report was developed based upon the findings from the field investigation.

REPORT CONTENTS

This Non-Applicability Report provides the basic information that is required for an applicability report as specified in 257.100(f)(1)(i). However, with the exception that the Fly Ash Pond does not meet the definition of a legacy CCR surface impoundment and serves as the notification as specified in 257.100(f)(1)(iii)(F):

Section 257.100(f)(1)(i):

- (A) *The name and address of the person(s) owning and operating the legacy CCR surface impoundment with their business phone number and email address.*
- (B) *The name associated with the legacy CCR surface impoundment.*
- (C) *Information to identify the legacy CCR surface impoundment, including a figure of the facility and where the unit is located at the facility, facility address, and the latitude and longitude of the facility.*
- (D) *The identification number of the legacy CCR surface impoundment if one has been assigned by the state.*
- (E) *A description of the current site conditions, including the current use of the inactive facility.*

Section 257.100(f)(1)(iii)(F):

If the owner or operator determines that the unit does not contain both CCR and liquids during implementation of the written field investigation work plan, the owner or operator must prepare a notification stating that the field investigation has concluded and that the owner or operator has determined that the unit does not contain both CCR and liquids and does not meet the definition of a legacy CCR surface impoundment. The owner or operator has prepared the notification when the report is placed in the facility's operating record as required by § 257.105(k)(3).

This Report presents the required information in accordance with (F), above.

AVAILABLE INFORMATION

(A) Owner's Contact Information

The name and address of the person(s) owning and operating the unit with their business phone number and email address, is as follows:

Name and address:

Craig J. Giesmann, P.E., P.M.P.
Director, Environmental Services
Ameren
1901 Chouteau Avenue
St. Louis, Missouri 63103

Phone Number:

[REDACTED]

Email address:

[REDACTED]

(B) Name of the CCR Surface Impoundment

The name of the unit is Fly Ash Pond.

(C) CCR Surface Impoundment Location Information

A figure that illustrates where the unit is located at the facility, and the latitude and longitude of the facility is presented in **Attachment 1**. This figure was developed by Ramboll and was obtained from their 2024 Groundwater Monitoring Annual Report for the Meredosia site [1].

The address of the facility is:

800 South Washington Street
Morgan County
Meredosia, IL 62665

(D) Illinois Environmental Protection Agency (IEPA) Identification Number

The IEPA Identification number is: W1370300005-02.

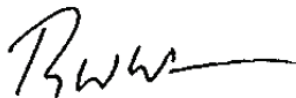
(E) Current Site Conditions and Use

A description of the current site conditions, including a description of the current use of the inactive facility, is presented in **Attachment 2**.

(F) The Unit Does NOT Contain both CCR and Free Liquids

A field investigation was conducted in accordance with the Applicability Extension Report Work Plan. The field investigation has concluded that the owner or operator has determined that the unit does contain CCR but does not contain free liquids and does not meet the definition of a legacy CCR surface impoundment.

Sincerely,



Thomas Ward, P.E. (IL, MO, KY, IA, AL, OH, IN, TN)
Senior Engineer



John Seymour, P.E. (IL)
Senior Principal

Attachments:

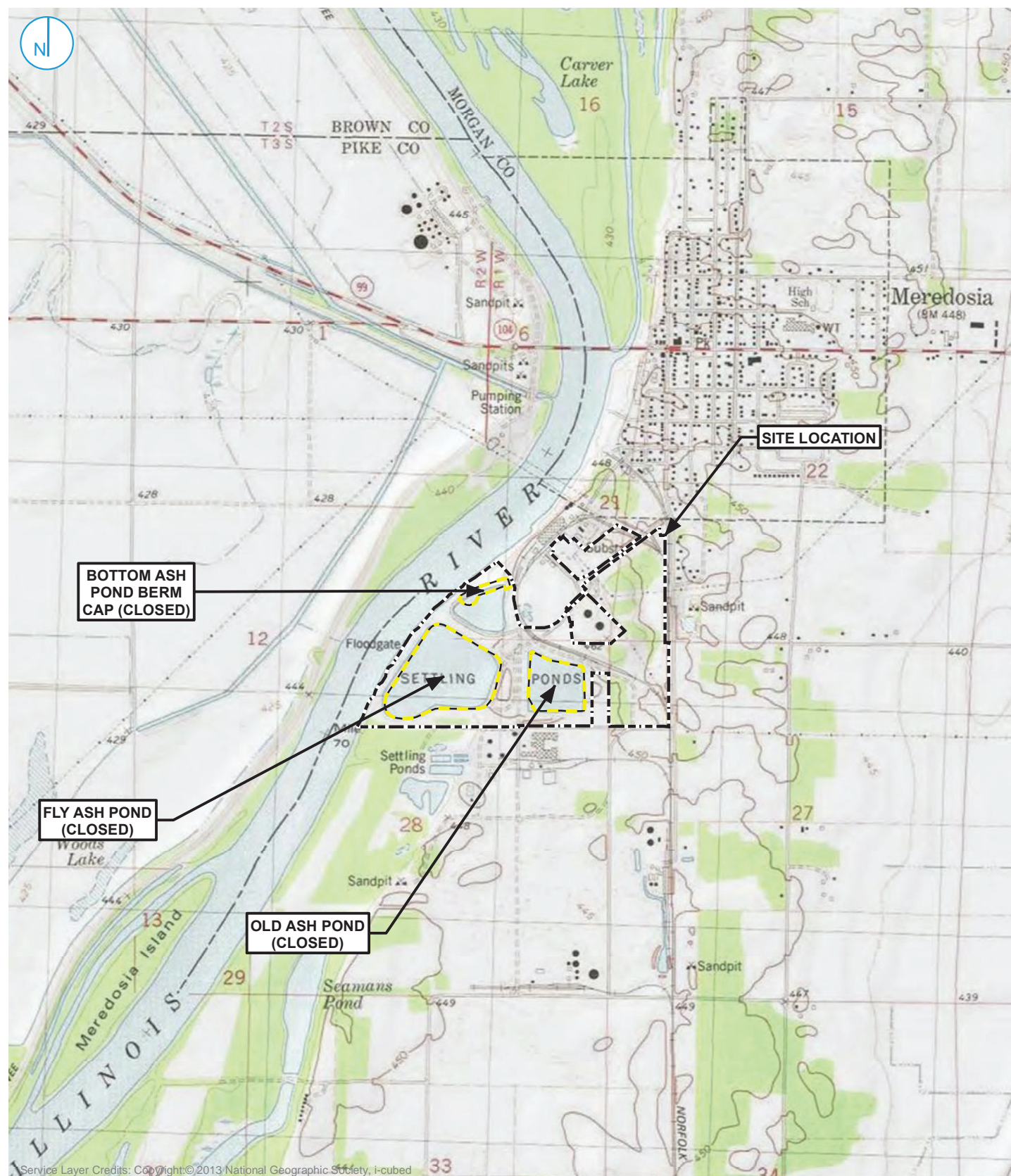
Attachment 1: Location Information

Attachment 2: Description of Current Site Conditions and Use

REFERENCES

- [1] Ramboll, "2024 Groundwater Monitoring Annual Report – Closed Fly Ash & Bottom Ash Ponds, Former Meredosia Power Station," Ramboll, Chicago, 2025.
- [2] Geosyntec Consultants, Inc., "Applicability Extension Report, Meredosia Energy Center, Fly Ash Pond, Meredosia, Illinois," AmerenEnergy Medina Valley Cogen, LLC, St. Louis, 2024.

ATTACHMENT 1
LEGACY SURFACE IMPOUNDMENT NON-APPLICABILITY REPORT
MEREDOSIA ENERGY CENTER – FLY ASH POND
SITE FIGURE



Map Scale: 1:124,000;
Map Center: 90°34'10"W 39°49'15"N

- APPROXIMATE PROPERTY BOUNDARY
- LIMITS OF CCP MANAGEMENT

NOTE

Base map property lines were updated based on March 2019 Plat of Survey.

0 1,000 2,000 Feet

SITE LOCATION MAP

2024 GROUNDWATER MONITORING ANNUAL REPORT
AMEREN ENERGY RESOURCES
MEREDOSIA POWER STATION
MORGAN COUNTY, ILLINOIS

FIGURE 1-1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





FIGURE 1-2

MONITORING WELL LOCATION MAP

2024 GROUNDWATER MONITORING ANNUAL REPORT
AMEREN ENERGY RESOURCES
MEREDOSIA POWER STATION
MORGAN COUNTY, ILLINOIS

NOTE
Base map property lines were updated
based on March 2019 Plat of Survey.

- MONITORING WELL LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- LIMITS OF CCP MANAGEMENT
- APPROXIMATE GROUNDWATER MONITORING ZONE



ATTACHMENT 2
LEGACY SURFACE IMPOUNDMENT NON-APPLICABILITY REPORT
MEREDOSIA ENERGY CENTER – FLY ASH POND
CURRENT CONDITIONS AND USE

CURRENT CONDITIONS

AmerenEnergy Medina Valley Cogen, LLC (Medina Valley) Company's Meredosia Energy Center (the Facility) is a retired (inactive) electric power generating facility with a coal fired unit located just south of the Village of Meredosia, Morgan County, Illinois. The Fly Ash Pond lies near the banks of the Illinois River and is bordered to the east and north by farmland and some residential areas; to the south by wooded areas; and to west by the Illinois River.

The Fly Ash Pond was constructed in 1972 and was operational until the final unit was retired in February 2012. During its operation the Fly Ash Pond received fly ash, low-volume wastewater and stormwater runoff [2]. The IEPA has assigned an identification number to the Fly Ash Pond. The IEPA Identification number is: W1370300005-02.

The Fly Ash Pond was closed over the course of 2018 and is capped with a ClosureTurf cover system [3]. Rainfall stormwater runoff from the Fly Ash Pond is diverted to vegetated ditches and discharges through a permitted NPDES outfall to the Illinois River.

CURRENT USE

The Meredosia Fly Ash Pond was closed in December 2018 [3]. The Site is currently inactive and not being utilized for another purpose.

REFERENCES

- [1] Ramboll, "2024 Groundwater Monitoring Annual Report - Closed Fly Ash & Bottom Ash Ponds, Former Meredosia Power Station," Ramboll, Chicago, 2025.
- [2] Geotechnology, Inc, "Closure Plan: Fly Ash Pond and Bottom Ash Pond, Meredosia Power Station, 800 South Washington Street, Meredosia, Illinois," Geotechnology, Inc., St. Louis, 2018.
- [3] Geotechnology, Inc., "Construction Quality Assurance Report: Closure of Bottom Ash Pond and Fly Ash Pond, Meredosia Power Station, 800 South Washington Street, Meredosia, Morgan County, Illinois," Geotechnology, Inc., St. Louis, 2019.