

Notice of Intent to Close Surface Impoundment

Richmond Power and Light Company
Whitewater Valley Station
Coal Combustion Residual Surface Impoundment
Richmond, Indiana

GAI Project Number: C151119.07

December 2015, Revised October 2020



RICHMOND POWER & LIGHT

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Table of Contents

Certification/Statement of Professional Opinion 1

1. Introduction 2

2. Purpose 2

3. Site Description 2

4. Intent to Close..... 2

5. Proposed Closure 3

6. Recordkeeping and Notification Requirements 3

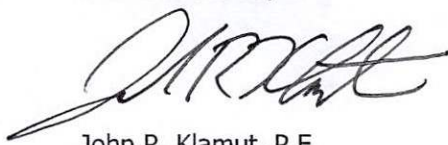
Certification/Statement of Professional Opinion

The Coal Combustion Residuals Notice of Intent to Close Surface Impoundment (NOI) for the Whitewater Valley Station (Station) Surface Impoundment was prepared by GAI Consultants, Inc. (GAI). The NOI may contain findings and determinations that are based on certain information that, other than for information GAI originally prepared, GAI has relied on but not independently verified. This Certification/Statement of Professional Opinion is therefore limited to the information available to GAI at the time the NOI was written. On the basis of and subject to the foregoing, it is my professional opinion as a Professional Engineer licensed in the State of Indiana that the NOI has been 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 NOI is accurate and has been prepared consistent with the requirements of §257.100 (e)(1)(i), §257.101 (a)(2), §257.101 (b)(3), and §257.102 (g) of the United States Environmental Protection Agency's "Standards 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), and meeting the provisions of the "Extension of Compliance Deadlines for Certain Inactive Surface Impoundments: Response to Partial Vacatur," effective October 4, 2016, and "A Holistic Approach to Closure Part A: Deadline to Initiate Closure," effective August 28, 2020.

It is my professional opinion, based on my understanding of the technical requirements of the CCR Rule and good and accepted engineering practices, that the design of the potential final cover system as set forth in the CCR Closure Plan meets the technical requirements and/or intent of the CCR Rule (40 CFR 257, Section 257.102(d)(3)(iii)).

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.



John R. Klamut, P.E.
Senior Project Manager

Date 10/27/2020



1. Introduction

The Whitewater Valley Power Station (Station) is owned by Richmond Power & Light (RP&L) and is located in Richmond, Indiana (IN). The station includes a Surface Impoundment (Impoundment), which is used for the long-term storage of coal combustion residuals (CCR).

The Impoundment is located on RP&L property at the Whitewater Valley Power Station in Wayne County, Indiana (coordinates 39° 48' 12.9" North and 84° 53' 54.8" West). The Impoundment is located in the northwestern corner of the property.

The Impoundment is currently inactive and is regulated as an existing CCR surface impoundment under the United States Environmental Protection Agency's (EPA's) "Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments" [40 CFR 257 Subpart D] published in the Federal Register on April 17, 2015 with an effective date of October 19, 2015 (CCR Rule), and meeting the provisions of the "Extension of Compliance Deadlines for Certain Inactive Surface Impoundments: Response to Partial Vacatur," effective October 4, 2016.

2. Purpose

This Notification of Intent to Close is prepared pursuant to §257.100 (e)(1)(i), §257.101 (a)(2), §257.101 (b)(3), and §257.102 (g) of the CCR Rule.

3. Site Description

The Station is located near Richmond in Wayne County, Indiana. The Station is accessed by U.S. Route 27. The Impoundment covers a total area of approximately 14 acres, which consists primarily of the sluiced CCR disposal area and downstream settling ponds (Ponds P1-P3, which discharge to Pond P4). Based on information provided to GAI, the Impoundment ceased receiving CCR material before the effective date of the rule (October 19, 2015). The Impoundment is currently permitted to discharge to the City of Richmond Indiana Sanitary District Public Owned Treatment Works after passing through Pond P4.

4. Intent to Close

RP&L is issuing this report as notification that the Impoundment will be closed under the provisions of the CCR Rule and with the consensus of the Indiana Department of Environmental Management.

Section 257.101 (b)(1) of the CCR Rule, August 2020, states that "the owner or operator of an existing CCR surface impoundment that has not demonstrated compliance with the location standard....must cease placing CCR...into such CCR unit no later than April 11, 2020, and close the CCR unit in accordance with the requirements §257.102." The report *Whitewater Valley Station Surface Impoundment Coal Combustion Residuals Location Restrictions Assessment* (April 2020) shows that the Impoundment does not meet the location restriction for placement above the uppermost aquifer. Under §257.101 (b)(3) of the CCR Rule, a CCR surface impoundment that closes due to paragraph (b)(1) must include a statement that the impoundment is closing under the requirements of paragraph (b)(1). Since the Impoundment did not demonstrate compliance with the location standard for placement above the uppermost aquifer, the Impoundment is closing under the requirements of CCR Rule §257.101 (b)(1).

Section 257.101 (a)(1) of the CCR Rule, August 2020, states that "as soon as technically feasible, but not later than April 11, 2021, an owner or operator of an existing unlined CCR surface impoundment must cease placing CCR...and either retrofit or close the CCR unit in accordance with the requirements §257.102." The report *Coal Combustion Residuals Unit Liner Documentation* (April 2018) states that

the Impoundment was not constructed with a liner meeting §257.71 (a)(1) of the CCR Rule. Under §257.101 (a)(2) of the CCR Rule, a CCR surface impoundment that closes due to paragraph (a)(1) must include a statement that the impoundment is closing under the requirements of paragraph (a)(1). Since the Impoundment was designated as being unlined, the Impoundment is closing under the requirements of CCR Rule §257.101 (a)(1).

5. Proposed Closure

The report *Coal Combustion Residuals Closure Plan* (April 2018, revised June 2020) documents proposed potential methods through which the Impoundment will be closed. One proposed method, for closure in place, would include a final cover system that meets the technical requirements and/or intent of the §257.102 (d)(3)(iii) of the CCR Rule. See the *Closure Plan* for more information.

6. Recordkeeping and Notification Requirements

As required by §257.107 (i)(7) of the CCR rule, this notification shall be placed in the Station's operating record. This notification will also be available on the Richmond Power & Light CCR internet site as required by §257.107 (i)(1) of the CCR rule. Richmond Power & Light will notify the relevant State Director when this notice has been placed in the Station's operating record and on the Richmond Power & Light CCR internet site, as required by §257.106 (i)(1) of the CCR rule. This notice of intent to close must be placed on the internet site, and the relevant State Director notified, within 30 days of placement of this notice in the Station's operating record.