

First Biennial Code of Virginia § 10.1-1402.04 Progress Report

for the

Glen Lyn Industrial Waste CCR Units

Submitted to:

**VA Department of Environmental Quality
West Regional Office
3019 Peters Creek Road
Roanoke, VA 24019**

Prepared for:

**Glen Lyn Plant
Glen Lyn, Virginia**

by



**1 Riverside Plaza
Columbus, OH 43215**

October 1, 2023

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Attachment A – Detailed account of the amounts of Beneficially Reused and Landfilled CCR. - NA

Attachment B - Copy of the newspaper notification of the availability of the Transportation Plan - NA

Attachment C – Groundwater analytical results - NA

Attachment D – Surface water analytical results - NA

1.0 Closure Plan

In accordance with subsection G. paragraph 1 of §10.1-1402.04 this report is to describe the owner's or operator's closure plan for all CCR units (Landfill, West Sediment Pond, Aux Pond, and Bottom Ash Pond (BAP)).

The proposed closure plan for the existing coal combustion residual (CCR) units describes the methodologies and sequence of events required to complete the removal of the CCR residing in each of the units in accordance with applicable standards established by Virginia Solid Waste Management Regulations (9VAC20-81). The Landfill Mining application (9VAC 20-81-385) will outline the closure plans for each of the units and will be submitted to Virginia Department of Environmental Quality (DEQ) for approval as a major modification (9VAC 20-81-600) to the existing Solid Waste Permit #222. Additionally, the closure plan for the bottom ash pond includes excavating the materials within the ponds and berms, regrading, and reducing the height of the berms along the New and East River.

In accordance with subsection B of §10.1-1402.04, APCo is in the process of designing a Solid Waste Landfill adjacent to the property upon which the CCR units are located that meets or exceeds the requirements of 40 CFR 258 to manage the CCR materials that cannot be utilized for beneficial reused from the Glen Lyn CCR units. This Solid Waste Landfill will be in West Virginia and the design permitting package will be submitted to West Virginia Department of Environmental Protection for approval to received CCR.

Additionally, groundwater monitoring wells that are lost during the excavation activities will be replaced with new groundwater monitoring wells. A revised groundwater monitoring plan will be submitted to DEQ for approval. Groundwater monitoring will be conducted until the groundwater demonstrates to be at or below the DEQ approved site-specific groundwater protection standards for the required period of time.

Closure will be considered complete once the performance standards under 9VAC20-81-810 A5 have been met.

2.0 Progress Towards Closure

In accordance with subsection G. paragraph 1 of §10.1-1402.04 this report is to provide the closure progress to date, both per unit and in total.

- To date no closure activities have been initiated for any of the CCR Units.

3.0 Detail Accounting of amounts of Beneficially Reused CCR

In accordance with subsection G. paragraph 1 of §10.1-1402.04 this report is to provide a detailed accounting of the amounts of CCR that have been and are expected to be beneficially reused from such units, both per unit and in total.

The amount of CCR expected to be beneficially reused from the **Landfill** CCR unit has yet to be determined.

- As of this report's date, 0 cubic yards of CCR has been beneficially reused from the Landfill CCR Unit.

The amount of CCR expected to be beneficially reused from the **West Sediment Pond** CCR unit has yet to be determined.

- As of this report's date, 0 cubic yards of CCR has been beneficially reused from the West Sediment Pond CCR Unit.

The amount of CCR expected to be beneficially reused from the **Aux Pond** CCR unit has yet to be determined.

- As of this report's date, 0 cubic yards of CCR has been beneficially reused from the Aux Pond CCR Unit.

The amount of CCR expected to be beneficially reused from the **BAP** CCR unit has yet to be determined.

- As of this report's date, 0 cubic yards of CCR has been beneficially reused from the BAP CCR Unit.

To date a total of 0 cubic yards of CCR has been beneficially Reused from these units.

Attachment A will provide a detailed account of the amounts of Beneficially Reused CCR once the closure activities have been initiated.

4.0 Detail Accounting of amounts of Landfilled CCR

In accordance with subsection G. paragraph 1 of §10.1-1402.04 this report is to provide a detailed accounting of the amounts of CCR that have been and are expected to be landfilled from such units, both per unit and in total.

The amount of CCR expected to be landfilled from the Landfill CCR unit has yet to be determined.

- As of this report's date, 0 cubic yards of CCR has been landfilled from the **Landfill CCR Unit**.

The amount of CCR expected to be landfilled from the West Sediment Pond CCR unit has yet to be determined.

- As of this report's date, 0 cubic yards of CCR has been landfilled from the **West Sediment Pond CCR Unit**.

The amount of CCR expected to be landfilled from the **Aux Pond CCR unit** has yet to be determined.

- As of this report's date, 0 cubic yards of CCR has been landfilled from the Aux Pond CCR Unit.

The amount of CCR expected to be Landfilled from the **BAP CCR unit** has yet to be determined.

- As of this report's date, 0 cubic yards of CCR has been landfilled from the BAP CCR Unit.

To date a total of 0 cubic yards of CCR has been landfilled from these units.

Attachment A will provide for a detailed account of the amounts of landfilled CCR once the closure activities have been initiated.

5.0 Utilization of Transportation Options and access to the Transportation Plan

In accordance with subsection G. paragraph 1 of § 10.1-1402.04 this report is to provide a detailed accounting of the utilization of transportation options and a transportation plan as required by subsection D with regards to the off-site transportation of CCR that has been beneficially reused.

Since closure activities have not been initiated, a Transportation Plan has not been developed. This plan will be developed by the contractor selected for the Beneficial Use project and will address the required elements is subsection D.

- To date 0% of the transport plan option has been utilized.

Once the Transportation plan is completed the owner or operator will provide notice of the availability of the plan to the DEQ and the chief administrative officers of the consulting localities. This plan, when it becomes available, can be accessed through the publicly accessible website.

Additionally, documentation of providing notice of the availability of the plan through the newspaper of general circulation will be provided in Attachment B once it becomes available.

6.0 Groundwater Monitoring Results

In accordance with subsection G. paragraph 1 of § 10.1-1402.04 this report is to provide a discussion of groundwater monitoring results and any corrective actions or other measures taken to address such results as closure is being completed.

A Groundwater Monitoring Plan was submitted to DEQ June 6, 2023, for their review. DEQ issued comments on July 21, 2023, and APCO is in the process of addressing those comments.

Since the closure activities have not been initiated, there are no groundwater results to discuss. Additionally, no corrective actions or other measures have been taken at this time.

Table of results: Attachment C will present the most recent groundwater analytical results once the closure activities have been initiated.

7.0 Surface Water Monitoring Results

In accordance with subsection G. paragraph 1 of § 10.1-1402.04 this report is to provide a discussion of surface water monitoring results and any corrective actions or other measures taken to address such results as closure is being completed.

Since the closure activities have not been initiated, there are no surface water results to discuss and no corrective action or other measures have been taken at this time.

Table of results: Attachment D will present the most recent surface water analytical results once the closure activities have been initiated.

8.0 Other Aspects of the Closure Process

- During the closure process, the owner or operator shall, at its expense offer to provide a connection to a municipal water supply or where such connection is not feasible provide water testing, for any residence within one-half mile of the CCR Unit.
 - At this time, it has been determined that residences within one-half mile are on municipal water supply.

ATTACHMENT A

Detailed account of the amounts of Beneficially Reused and Landfilled CCR.

As of October 2023, no CCR materials have been removed from any of the units for Beneficial Reuse or Landfill.

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ATTACHMENT B

Copy of the newspaper notification of the availability of the Transportation Plan.

As of Oct 2023, this item is not available

ATTACHMENT C

Groundwater analytical results.

As of Oct 2023, this item is not available

ATTACHMENT D

Surface water analytical results

As of Oct 2023, this item is not available