



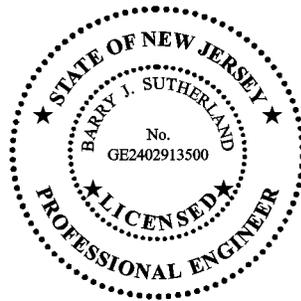
# Closure Plan for CCR Surface Impoundments

## B.L. England Generating Station

*Beesley's Point, New Jersey*

April 17, 2018

*Prepared For  
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A handwritten signature in blue ink, reading "Barry J. Sutherland", written over a horizontal line.

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Attachments:      Figure 1 – Closure Plan  
                    Appendix A - Closure Schedule

# Section 1

## Introduction

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This Coal Combustion Residuals (CCR) Closure Plan has been prepared in accordance with the requirements of United States Environmental Protection Agency (USEPA) *Disposal of Coal Combustion Residuals from Electric Utilities Rule* (“CCR Rule”) at 40 CFR Part 257 to describe the steps necessary to close the Slag Ponds at the B.L. England Generating Facility (plant) located in Beesley’s Point, New Jersey.

The plant derives the majority of its power from coal burning operations, and the Slag Ponds have been used to quench coal slag from brackish water withdrawn from the nearby Great Egg Harbor Bay (GEHB). The Slag Ponds are currently inactive and no longer receive CCR. The first cell provided primary settling and a storage area for the recovery of slag. The second cell provided additional settling of fine particulates.

### **Regulatory Background**

The ponds were constructed prior to 1987 and construction details / engineering drawings are not available; however, the current property owner conducted investigations to determine the depth and limits of the impoundments. Both ponds are unlined. The Slag Ponds currently contain approximately 5,400 cubic yards of CCR material, and cover a total area of approximately 0.48 acres.

The Slag Pond operations have been replaced with a closed-loop, above-ground slag handling system, which contains and dewateres the slag before it is loaded directly onto trucks from an above-ground holding vessel. The closed-loop system piping is supported on an above ground pipe rack that is constructed on the berm between the slag baling and settling ponds.

Closure of the Slag Ponds is anticipated to be performed during 2018. The Slag Ponds will be closed as described in Section 3 of this Closure Plan. The Closure Plan assumes complete removal of the CCR; therefore, post-closure care is not anticipated.

### **1.1 Site Information**

The BL England Generating Station is located at Beesley’s Point in Marmora, New Jersey adjacent to the Great Egg Harbor Bay. The generating station operates two coal-fired units that produce CCR. The plant is currently operating a closed-loop recirculation slag handling system, so that no CCR is presently being sent to Slag Ponds. The Slag Ponds are inactive and

cover a combined area of approximately 0.48 acres as shown on Figure 1. The basins are unlined and currently contain settled ash and some liquids. Portions of the surface of the solids are covered with a dense vegetative growth. The impoundments are separated by a common berm which supports the piping associated with the closed-loop slag management system.

## 1.2 Closure Description

The CCR impoundment on the B.L. England site will be clean-closed through removal of CCR in accordance with 40 CFR 257.100 of the CCR Rule. To accomplish this, CCR will be excavated from the ponds and will be disposed of at a permitted landfill. The CCR will be removed along with impacted subsoils. After the CCR has sufficiently dewatered, it will then be hauled offsite to a permitted landfill.

After removal of these materials the impoundments will be backfilled with clean soil to an elevation approximately even with the adjacent grades. Because the Closure Plan assumes complete removal of the CCR, post-closure care is not anticipated.

Consistent with the proposal outlined in the August 2011 Remedial Investigation Report / Remedial Action Selection Report / Remedial Action Workplan for the site, residual impacted soils that are not removed during the Pond closure will remain in place and be addressed through institutional and engineering controls. These materials do not pose a direct contact exposure risk and it has been determined that current metals concentrations in ground water are not impacting nearby receptors (i.e. saltwater marsh and GEHB). In addition, the Slag Ponds are located within the Class III-B ground water use area as defined in Ground Water Remedial Action Permit No. RAP120001.

## 1.3 Closure Schedule

The closure of the CCR impoundment (excavation and backfilling) is anticipated to be completed in August 2018. A closure schedule outlining the timeframes for major activities from the start of closure activities to the closure completion is provided in Appendix A.

## Section 2

# Closure of CCR Ponds

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### 2.1 Removal

Following the dewatering of CCR materials, it will be hauled off-site and disposed of in a permitted landfill. Any liners and liner protection systems from the staging area, if used, will also be demolished and disposed of at an off-site permitted landfill.

### 2.2 Decontamination

Basin materials, liners, and structures will be removed and disposed of at an off-site facility. Equipment used in the removal of CCR material and basin structures will be properly decontaminated of CCR following completion of closure activities and dispositioned off-site in accordance with the Federal and State solid waste regulations.

# Section 3

## Closure Implementation

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### 3.1 Certification

Within 30 days of completion of closure activities, a professional engineer will certify that the closure was completed in accordance with the requirements of the Closure Plan. This certification will be incorporated in the operating record and posted to the publicly accessible website.

### 3.2 Post-Closure Use

Post-closure, the use of the land where the CCR impoundments currently stand has not been determined. Because the Closure Plan assumes complete removal of CCR, post-closure care is not anticipated. The schedule and methods described in this plan are dependent upon the operational status of the facility, site conditions, and other factors, and may be modified. Revisions to the Closure Plan will be made part of the operating record and posted to the publicly accessible website.

**FIGURE 1**

*Closure Plan*

**APPENDIX A**

*Closure Schedule*