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# 2024 ANNUAL CCR LANDFILL INSPECTION REPORT

## Byproduct Storage Area B St. Johns River Power Park

*Prepared for*

**JEA/St. Johns River Power Park**

11201 New Berlin Road  
Jacksonville, FL 32226

*Prepared by*

Geosyntec Consultants, Inc.  
4595 Broadmoor Ave SE  
Grand Rapids, MI 49512

Project GLW8091

January 15, 2025

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## Byproduct Storage Area B St. Johns River Power Park

*Prepared for*

JEA/St. Johns River Power Pak

*Prepared by*



Samuel F. Stafford, PE  
Senior Engineer



Rachel A. Klinger, PE, BCEE  
Senior Principal

Project Number: GLW8091  
January 15, 2025

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## 1. INTRODUCTION

Geosyntec Consultants, Inc. (Geosyntec) conducted the annual coal combustion residual (CCR) landfill inspection of Byproduct Storage Area B (BSA-B) at the St. Johns River Power Park (SJRPP) on December 16, 2024. The inspections and this 2024 Annual CCR Landfill Inspection Report (Report) are intended to comply with the requirements of CCR Rule<sup>1</sup> requirements pursuant to §257.84.

## 2. AVAILABLE INFORMATION REVIEW - §257.84(b)(1)(i)

Pursuant to §257.84(b)(1), Geosyntec reviewed available information regarding the condition and status of BSA-B including operating records. The documents reviewed include:

- Closure Design Plan, May 2019;
- Closure Plan, February 2021;
- Post-Closure Care Plan, February 2021;
- Run-On and Run-Off Control System Plan, October 2021;
- Long Term Maintenance Plan, November 2024; and
- Operating Records: Routine Inspection Logs.

## 3. INSPECTION SUMMARY - §257.84(b)(1)(ii)

Samuel Stafford, PE and Lucas Swindle, PE of Geosyntec conducted a visual inspection of BSA-B on December 16, 2024. The inspection observed cover conditions, exterior slope conditions, vegetative conditions, stormwater management system conditions, placement of CCRs, slope stability and any other signs of distress or malfunction.

## 4. CHANGES IN GEOMETRY - §257.84(b)(2)(i)

Geosyntec reviewed recent aerial photography and inspection records for changes in geometry of BSA-B. There are no significant changes in geometry since the last inspection of BSA-B. Closure construction was completed prior to the last inspection.

## 5. APPROXIMATE VOLUME OF CCR - §257.84(b)(2)(ii)

The volume of materials in BSA-B is estimated at approximately 1.8 million cubic yards based on the closure plans.

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<sup>1</sup> 40 Code of Federal Regulations 257, Subpart D – Standards for Disposal of Coal Combustion Residuals in Landfill and Surface Impoundments

## **6. STRUCTURAL WEAKNESS OR DISRUPTING CONDITIONS - §257.84(2)(iii)**

No indications of actual or potential structural weakness were noted during the 2024 annual inspection or during the review of available information.

## **7. CHANGES AFFECTING STABILITY OR OPERATIONS - §257.84(2)(iv)**

No changes from the previous inspection conducted on December 15, 2023 were observed that may affect the stability or operation of BSA-B. Operations have ceased, closure construction is complete, and the facility is in post-closure care.

## **8. SUMMARY**

Based on our review of available information noted above and our December 16, 2024 inspection, the design, operation, and maintenance of BSA-B appear to be consistent with recognized and generally accepted good engineering standards.