



REPORT

**2024 Annual Inspection Report for
CCR Landfill**

*Gulf Clean Energy Center CCR Landfill #1
Pensacola, Florida*

Submitted to:

Florida Power & Light Company

Submitted by:

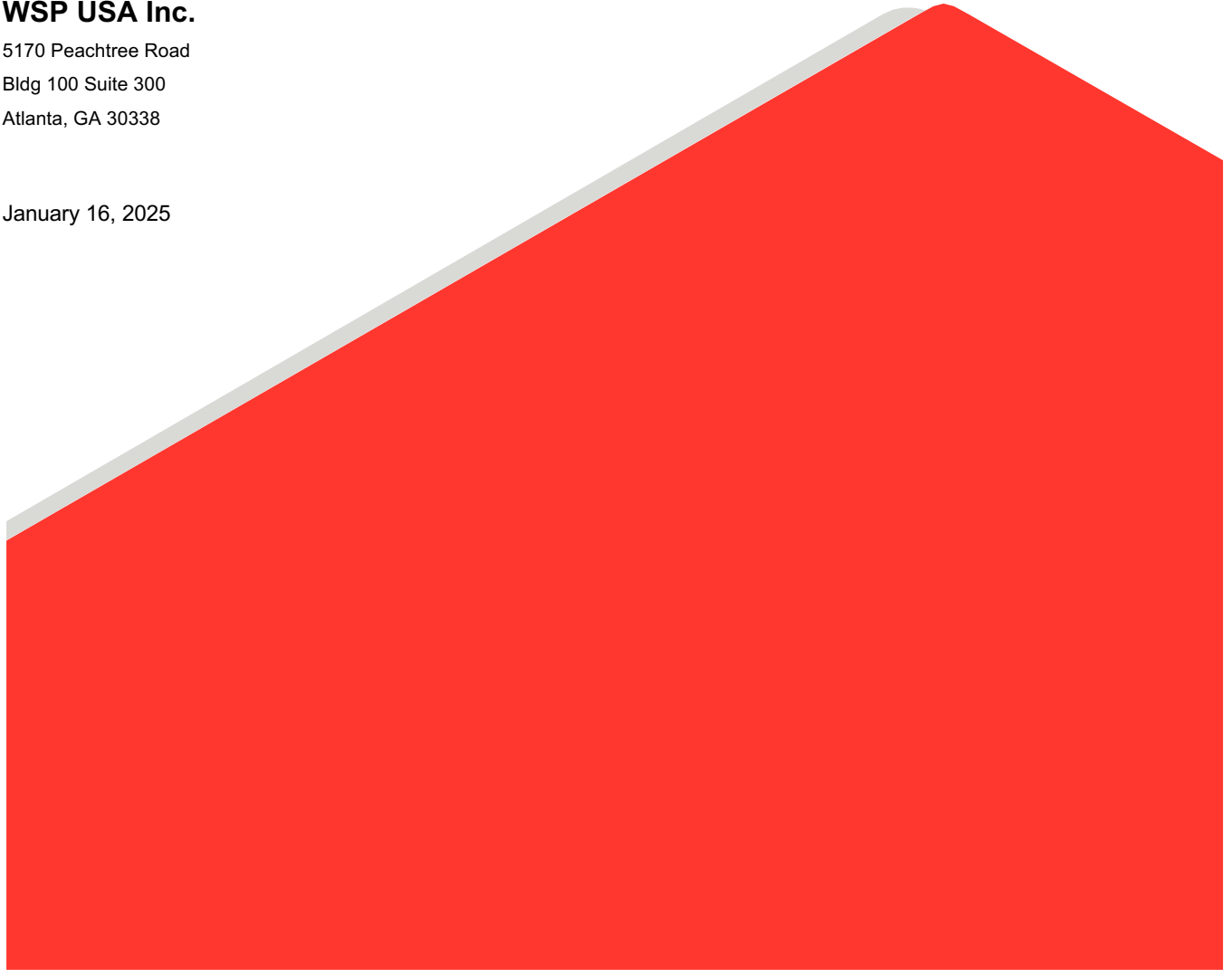
WSP USA Inc.

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Atlanta, GA 30338

January 16, 2025



Distribution List

Florida Power & Light Company

WSP USA Inc.

INTRODUCTION

WSP USA Inc. (WSP; formerly known as Golder Associates USA Inc.) performed the annual inspection for a coal combustion residuals (CCR) landfill at the Gulf Clean Energy Center (GCEC) Landfill #1, located in Pensacola, Florida. This facility is owned and operated by Florida Power & Light Company (FPL). The inspection, conducted on November 20, 2024, and this report are intended to meet the requirements of 40 Code of Federal Regulations (CFR) §257.84(b). WSP's inspection was performed by Kevin S. Brown, PE.

While the Gulf Clean Energy Center ceased coal fired operations as of October 2020, GCEC Landfill #1 is currently active for the management and beneficial reuse of CCR.

REVIEW OF AVAILABLE INFORMATION – §257.84(b)(1)(i)

In accordance with §257.84(b)(1)(i), WSP reviewed available information regarding the status and conditions of the GCEC Landfill #1. The documents and items reviewed included:

- Closure Plan (Rev. 02 July 2023) – Gulf Clean Energy Center Landfill #1
- Run-On and Run-Off Control System Plan (October 2021) – Gulf Clean Energy Center Landfill #1
- Report of Annual Inspection 2023 (January 2024) – Gulf Clean Energy Center Landfill #1
- Weekly inspection logs by site personnel
- Discussions with plant personnel prior to the annual inspection

No documentation of maintenance was provided or reviewed by WSP.

INSPECTION SUMMARY – §257.84(b)(1)(ii)

WSP conducted a visual inspection of the GCEC Landfill #1 on November 20, 2024. The inspection evaluated the geometry and conditions of the landfill, exterior slopes, erosion and vegetative conditions, stormwater management controls, placement of CCR, and any other signs of distress or malfunction.

CHANGES IN GEOMETRY – §257.84(b)(2)(i)

Since the previous annual inspection, there were no observed substantial changes in the geometry of the landfill. Facilities have been installed for the purposes of recovering CCR for beneficial use.



Figure 1: Aerial Photograph - 2023

APPROXIMATE CCR AND WATER VOLUME – §257.84(b)(2)(ii)

The volume of materials contained in the GCEC Landfill #1 at the time of the inspection is estimated to be approximately 3,619,468 cubic yards of CCR. The CCR in place volume contained in the unit was estimated based on the information included in historical volume estimates, and accounts for CCR removed during 2024 for beneficial use. Historical calculations were estimated using 2020 existing topography, borehole data, and estimated bottom of CCR based on borehole information.

STRUCTURAL WEAKNESS AND DISRUPTING CONDITIONS – §257.84(b)(2)(iii)

No indications of actual or potential structural weakness were noted during the November 20, 2024, inspection or during the review of available information.

CHANGES AFFECTING STABILITY OR OPERATIONS – §257.84(b)(2)(iv)

Based on the November 20, 2024, inspection and review of available information, no changes from the previous inspection that may affect the operations or stability of the GCEC Landfill #1 were observed.

CERTIFICATION

Based on the review of the available information noted above and of the observations and results of the annual inspection, it is my professional opinion that this report has been completed in accordance with 40 CFR 257.84(b).

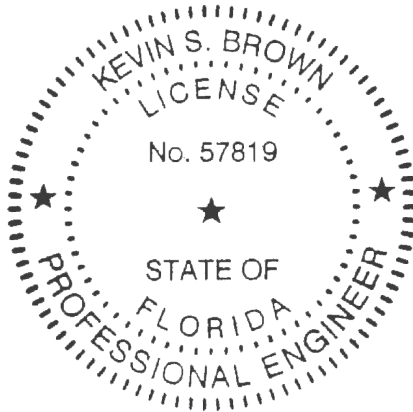


01/16/25

Kevin S. Brown, PE
Director, Civil Engineer
Florida Professional Engineer No. 57819

Date

KSB/LS/lS



This item has been digitally signed and sealed by Kevin Brown on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies



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