



REPORT

2022 Annual Inspection Report
for CCR Landfill #1

Gulf Clean Energy Center
Pensacola, Florida

Submitted to:

Florida Power & Light Company

Submitted by:

WSP Inc.

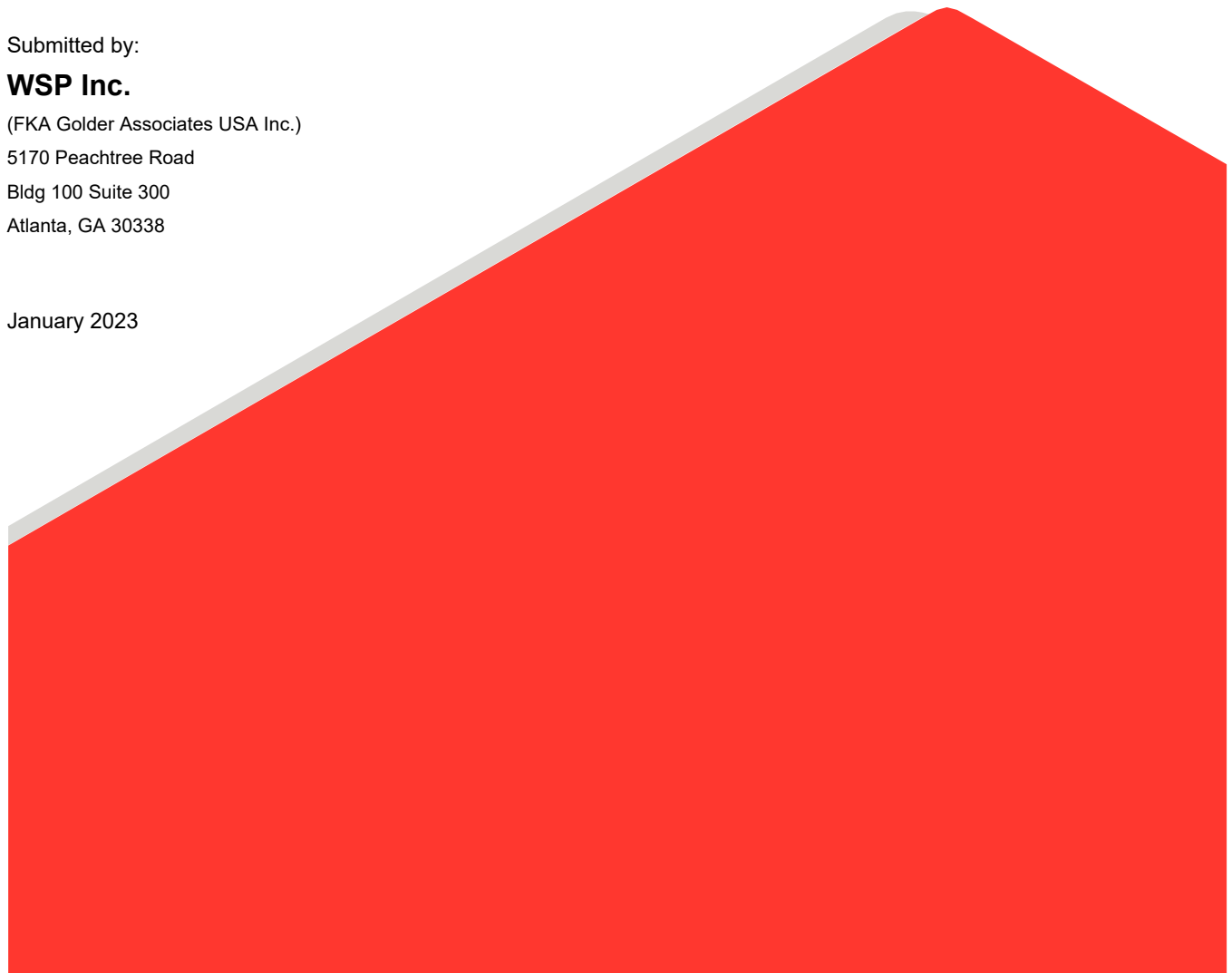
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January 2023



Distribution List

Florida Power & Light Company

WSP USA Inc.

INTRODUCTION

WSP USA Inc. (WSP; formerly known as Golder Associates USA Inc. – Member of WSP) 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 16, 2022, and this report are intended to meet the requirements of 40 CFR §257.84(b). WSP's inspection was performed by Kevin S. Brown, PE.

The Gulf Clean Energy Center Landfill #1 is currently active.

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 reviewed included:

- Closure Plan (Rev. 01) – Gulf Clean Energy Center Landfill #1
- Run-On and Run-Off Control System Plan (2021) – Gulf Clean Energy Center Landfill #1
- Report of Annual Inspection 2021 – Gulf Clean Energy Center Landfill #1

INSPECTION SUMMARY – §257.84(b)1(ii)

WSP conducted a visual inspection of the GCEC Landfill #1 on November 16, 2022. The inspection evaluated the geometry and conditions of the landfill, exterior slopes, erosion and vegetative conditions, stormwater management controls, placement of coal combustion residuals (CCR), and any other signs of distress or malfunction.

CHANGES IN GEOMETRY – §257.84(b)2(i)

Since the past annual inspection, there were no observed changes in the geometry of the landfill.



Figure 1: Aerial Photograph

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 3,619,700 cubic yards of CCR. The CCR in place volume contained in the unit was estimated based on the information included in the Beneficial Use Report, and accounts for CCR removed during 2022 for beneficial use. 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 16, 2022 inspection or during the review of available information.

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

Based on the November 16, 2022 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).



1/19/2023

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

Date

KSB/LS/lis

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