



REPORT

2021 ANNUAL INSPECTION REPORT

Byproduct Storage Area B
St. Johns River Power Park

Submitted to:

JEA/St. Johns River Power Park

11201 New Berlin Road
Jacksonville, FL 32226 USA

Submitted by:

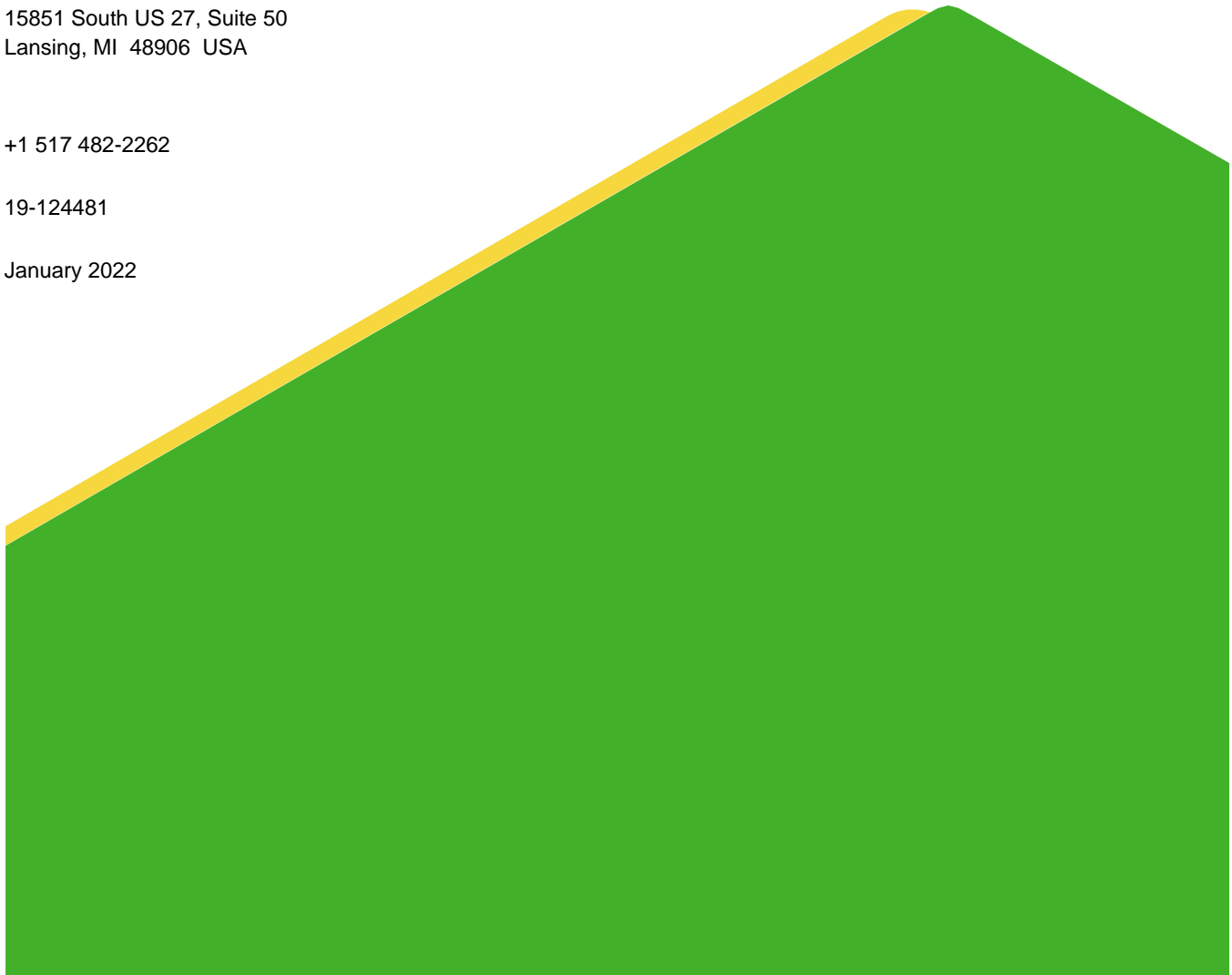
Golder Associates USA Inc.

15851 South US 27, Suite 50
Lansing, MI 48906 USA

+1 517 482-2262

19-124481

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Distribution List

JEA

Stearns Weaver Miller

Golder Associates USA Inc.

INTRODUCTION

Golder Associates USA Inc. (Golder) conducted the coal combustion residual (CCR) landfill annual inspection for Byproduct Storage Area B (BSA-B) at the St. Johns River Power Park (SJRPP). The inspection, conducted on December 21, 2021, and this report are intended to meet the requirements of 40 CFR §257.84. Golder's inspection was performed by Samuel Stafford, PE.

The Phase I development of BSA-B is located approximately 1.5 miles northeast of the former SJRPP main entrance in northeastern Duval County, Jacksonville, Florida (see Figure 1, below).

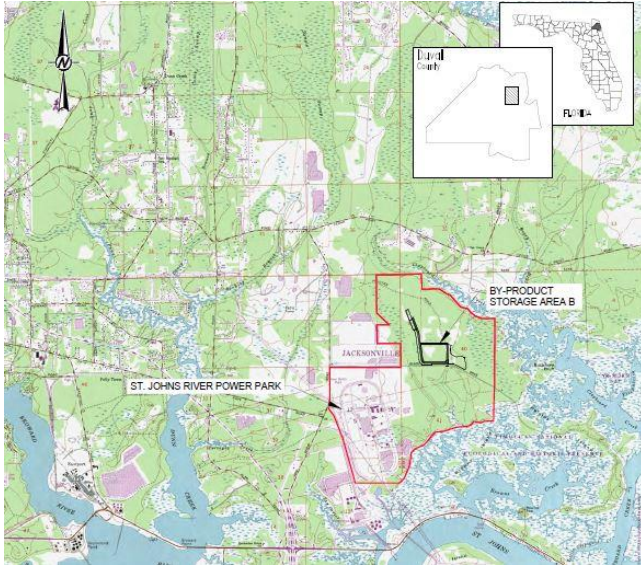


Figure 1: Figure 1 - Site Location Map

REVIEW OF AVAILABLE INFORMATION

In accordance with §257.84(b)(1), Golder reviewed available information regarding the status and conditions of BSA-B include operating record documents. The documents reviewed included:

- Technical Submittal, Hydrogeological and Geotechnical Site Evaluation, Conceptual Design Drawings, dated April 2007 (including associated responses to comments).
- Area B Byproduct Storage Area Phase I Operations Plan, September 2014.
- Closure Design Plan, Byproduct Storage Area B, May 2019.
- Run-on and Run-off Control Plan, Byproduct Storage Area B, October 2021.
- Operating records: SJRPP weekly inspection reports.

INSPECTION SUMMARY

Golder conducted a visual inspection of BSA-B on December 21, 2020. The inspection considered cover conditions, exterior slope conditions, erosional conditions, vegetative conditions, stormwater management conditions, placement of CCRs, slope stability, and any other signs of distress or malfunction.

CHANGES IN GEOMETRY

The primary changes in geometry of BSA-B since the past annual inspection are due to closure construction of the BSA-B and relocation of materials from the western portion of the Phase I footprint to the closed BSA-B. Closure construction entailed construction of bench ditches, stormwater management features, and geomembrane capping of CCRs. A recent aerial photograph of BSA-B (dated September 2021) is provided on Figure 2.



Figure 2: Figure 2 - Aerial Photograph

APPROXIMATE CCR VOLUME

The volume of materials in BSA-B at the time of the inspection is estimated to be approximately 1.8 million cubic yards based on the closure design and survey data.

STRUCTURAL WEAKNESS AND DISRUPTING CONDITIONS

No indications of actual or potential structural weakness were noted during the December 21, 2020 inspection or during the review of available information.

CHANGES AFFECTING STABILITY OR OPERATIONS

Based on the December 21, 2021 inspection and review of available information, no changes from the previous inspection (conducted on December 11, 2020) that may affect the operations or stability of BSA-B were observed. Operations of the BSA-B have ceased, and closure construction is nearly complete.

CLOSING

Based on the review of the available information noted above and, on the December 21, 2021, field observations, Golder concludes that the design, construction, operation, and maintenance of BSA-B appears to be consistent with recognized and generally accepted good engineering standards.

Golder Associates USA Inc.



Samuel F. Stafford, PE
Senior Engineer



Donald J. Miller
Principal and Practice Leader

SFS/DJM/ams

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