



2020 ANNUAL INSPECTION REPORT

Byproduct Storage Area B

St. Johns River Power Park

Submitted to:

JEA/St. Johns River Park

11201 New Berlin Road
Jacksonville, FL 32226 USA

Submitted by:

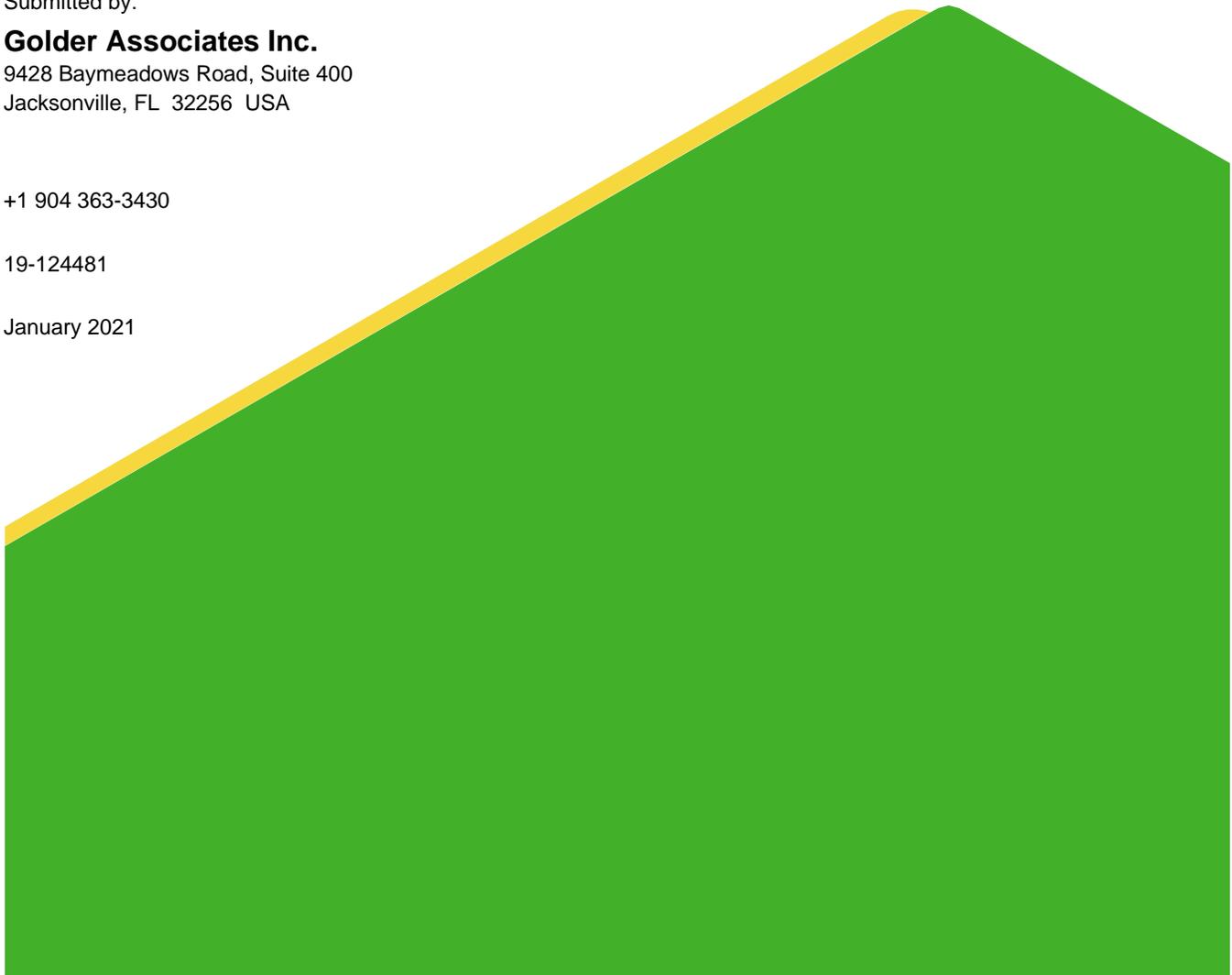
Golder Associates Inc.

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19-124481

January 2021



Distribution List

JEA

Hopping Green & Sams

INTRODUCTION

Golder Associates 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 11, 2020, 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 SJRPP main entrance in northeastern Duval County, Jacksonville, Florida (see Figure 1).

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.
- Run-on and Run-off Control Plan, Byproduct Storage Area B, October 2015.
- Operating records: SJRPP weekly inspection reports.

INSPECTION SUMMARY

Golder conducted a visual inspection of BSA-B on December 11, 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 material placement in the central portion of BSA-B and relocation of materials from the western portion of the Phase I footprint to the northern slope of BSA-B.

APPROXIMATE CCR VOLUME

The volume of materials in BSA-B at the time of the inspection is estimated to be approximately 1,780,000 cubic yards based on recent topographic survey data.

STRUCTURAL WEAKNESS AND DISRUPTING CONDITIONS

No indications of actual or potential structural weakness were noted during the December 11, 2020 inspection or during the review of available information.

CHANGES AFFECTING STABILITY OR OPERATIONS

Based on the December 11, 2020 inspection and review of available information, no changes from the previous inspection conducted on December 6, 2019 that may affect the operations or stability of BSA-B were observed. Operations of the BSA-B have ceased, and closure construction has commenced.

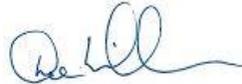
CLOSING

Based on the review of the available information noted above and on the December 11, 2020 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 Inc.



Samuel F. Stafford, PE
Senior Engineer



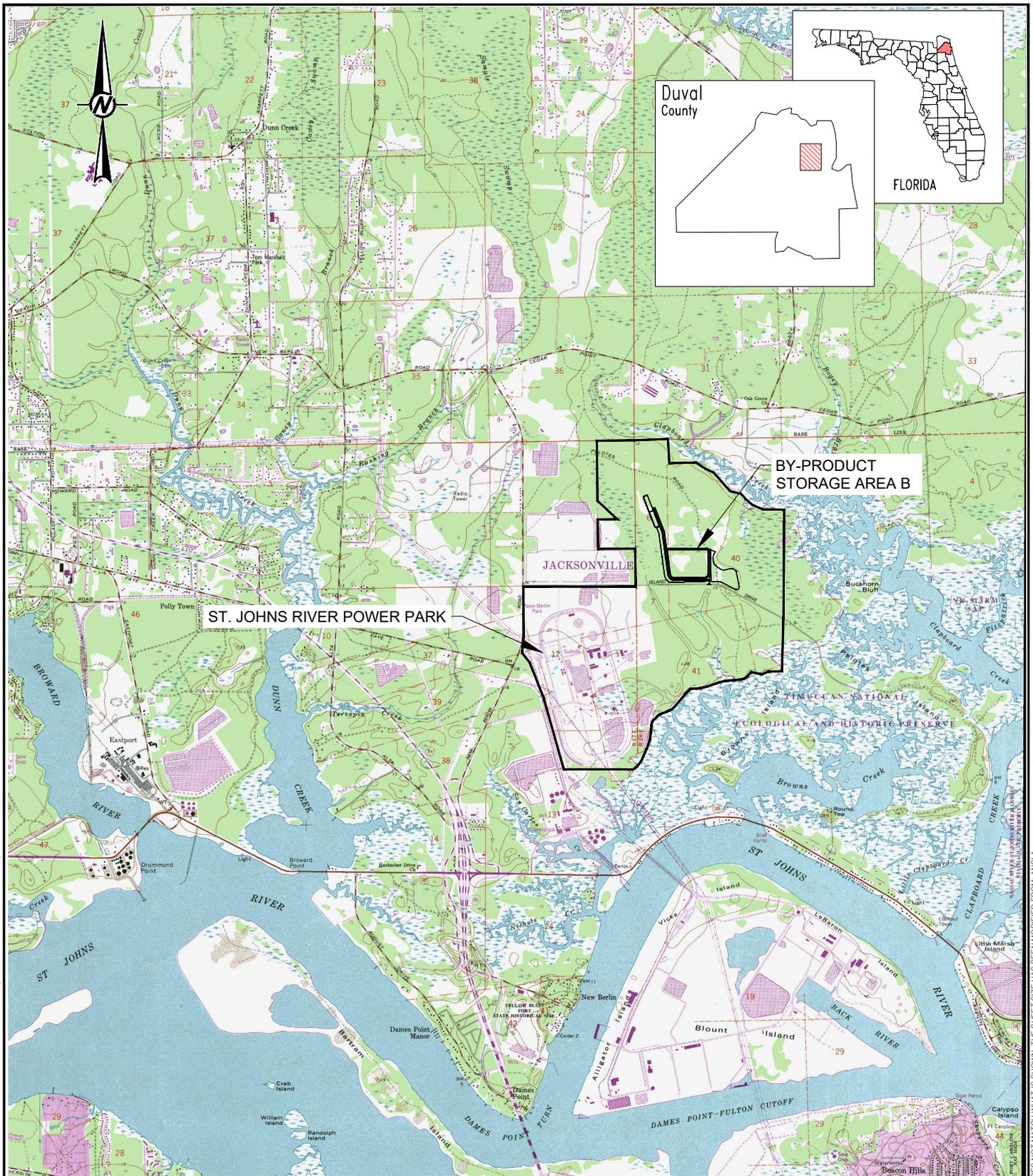
Donald J. Miller
Principal and Practice Leader

SFS/DJM/ams

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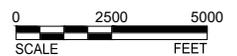
[https://golderassociates.sharepoint.com/sites/110243/Project Files/6 Deliverables/Annual LF Inspection/2020/SJRPP BSA-B 2020 Inspection.docx](https://golderassociates.sharepoint.com/sites/110243/Project%20Files/6%20Deliverables/Annual%20LF%20Inspection/2020/SJRPP%20BSA-B%202020%20Inspection.docx)

FIGURES



REFERENCE(S)

- 1.) USGS TOPOGRAPHIC MAP, 7.5 MIN. QUADRANGLE MAP SERIES: EASTPORT QUADRANGLE, DUVAL COUNTY, FLORIDA.



CLIENT
JEA

PROJECT
ST. JOHNS RIVER POWER PARK - CCR SUPPORT
JACKSONVILLE, DUVAL COUNTY, FLORIDA

CONSULTANT

YYYY-MM-DD 2021-01-06

DESIGNED SFS

PREPARED BCL

REVIEWED SFS

APPROVED DJM

TITLE
SITE LOCATION MAP

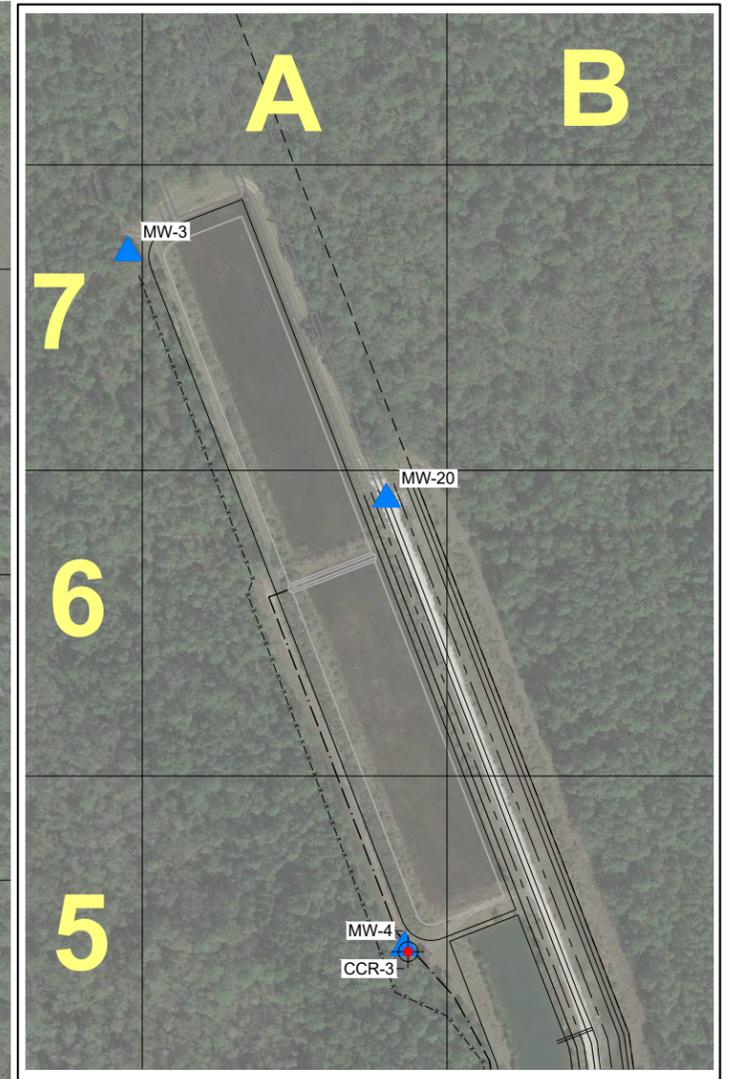
PROJECT NO.
19-124481

Phase
19124481-D001

REV.

FIGURE
1





LEGEND

- PROPERTY BOUNDARY
- X X CHAIN LINK FENCELINE
- PHASE I LIMIT OF WASTE
- ▲ MW-8 MW-SERIES MONITORING WELL
- CONTACT WATER FORCEMAIN
- ⊕ CCR-1 CCR GROUNDWATER MONITORING WELL LOCATIONS
- AW-1 PIEZOMETER LOCATION



- REFERENCE(S)**
- 1.) MW-SERIES MONITORING WELL AS-BUILT SURVEY PERFORMED BY POPPEL PUTNAL & ASSOCIATES, INC. ON NOVEMBER 13 AND 15, 2007.
 - 2.) CCR-SERIES MONITORING WELL AS-BUILT SURVEY PERFORMED BY B.V. & ASSOCIATES, INC. ON NOVEMBER 17, 2015.
 - 3.) AERIAL IMAGERY SOURCE: GOOGLE EARTH PRO 2010, IMAGE DATED 10.29.17. IMAGE GEOREFERENCED BY GOLDER AND INTENDED FOR INDICATIVE PURPOSES ONLY.
 - 4.) AW-SERIES PIEZOMETERS FROM SURVEY PERFORMED BY R.E. HOLLAND & ASSOCIATES, INC. IN MARCH 2019.

CLIENT
JEA

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| | |
|------------|------------|
| YYYY-MM-DD | 2021-01-06 |
| DESIGNED | SFS |
| PREPARED | BCL |
| REVIEWED | SFS |
| APPROVED | DJM |

PROJECT
ST. JOHNS RIVER POWER PARK - CCR SUPPORT
JACKSONVILLE, DUVAL COUNTY, FLORIDA

TITLE
BYPRODUCT STORAGE AREA B GRID LOCATION MAP

| | | | |
|-------------|---------------|------|--------|
| PROJECT NO. | Phase | REV. | FIGURE |
| 19-124481 | 19124481-D002 | | 2 |

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1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B