



REPORT

**POST CLOSURE PLAN
ADDENDUM NO. 1**

*Martin Lake Steam Electric Station - PDP-5
Rusk County, Texas*

Submitted to:

Luminant Generation Company LLC

Submitted by:

WSP GOLDER

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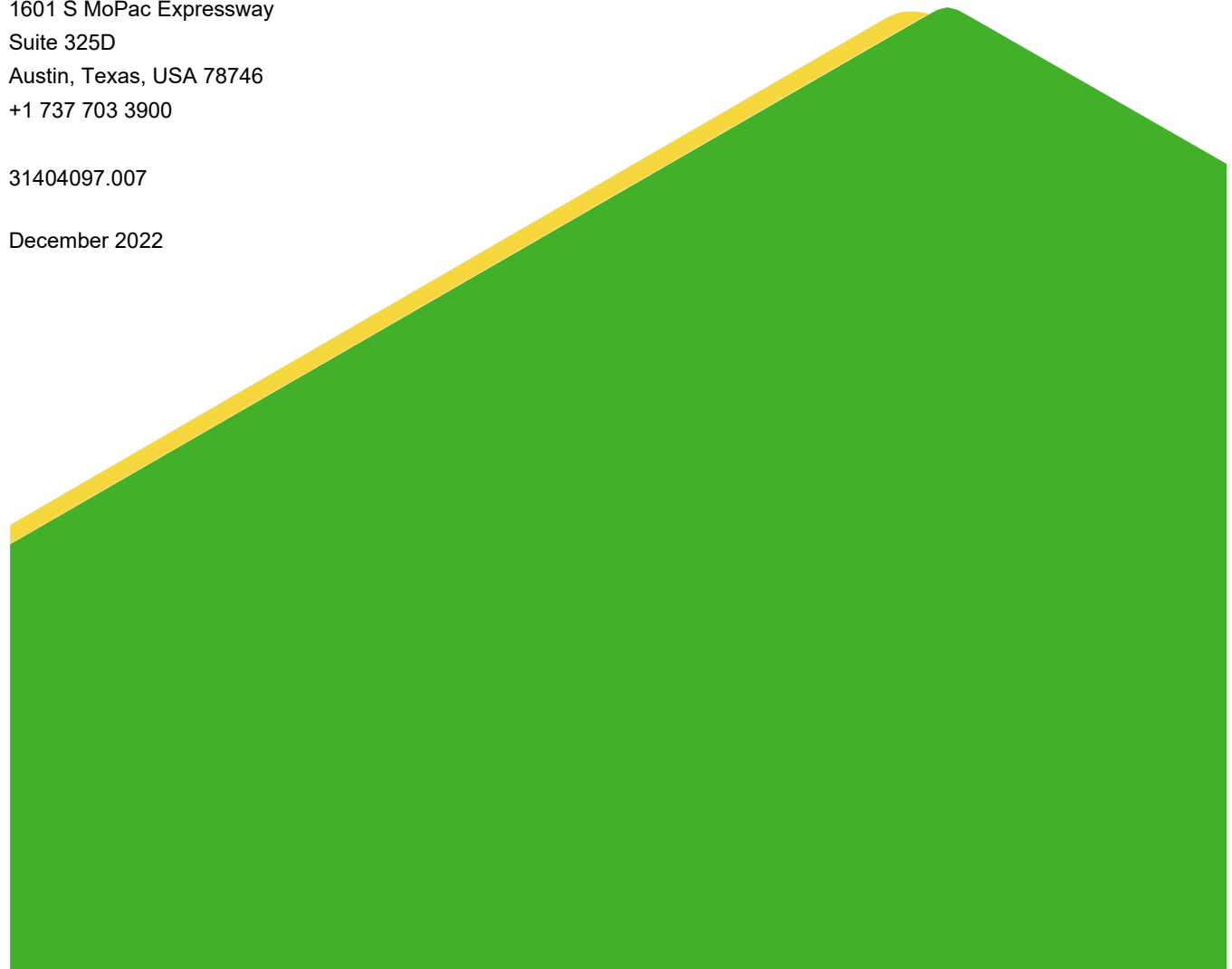
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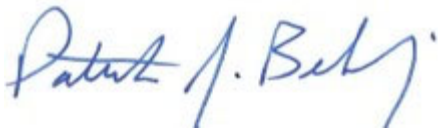
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December 2022



PROFESSIONAL CERTIFICATION

This document and all attachments were prepared by WSP Golder under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I hereby certify that Addendum No.1 to the Post Closure Plan for PDP-5 at the Martin Lake Steam Electric Station has been prepared in accordance with the requirements of 40 C.F.R. §257.104.



Patrick J. Behling, P.E.
Principal Engineer
WSP Golder
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Table of Contents

DOCUMENT REVISION RECORD	ii
1.0 INTRODUCTION	1
2.0 PDP-5 FINAL CAP/COVER SYSTEM	2
3.0 FACILITY CONTACT INFORMATION	3
4.0 REFERENCES	4

DOCUMENT REVISION RECORD

Issue No.	Date	Details of Revisions
Revision 0	October 2016	Original Document
Addendum 1	December 2022	Updated configuration of final cap/cover system for PDP-5 and updated Facility contact information.

1.0 INTRODUCTION

On behalf of Luminant Generation Company LLC (Luminant), WSP Golder (Golder) has prepared this Addendum No. 1 to the Post Closure Plan for Permanent Disposal Pond No. 5 (PDP-5) located at the Martin Lake Steam Electric Station (MLSES) in Rusk County, Texas (hereafter, the “Site”). Coal Combustion Residuals (CCR) including flue gas desulfurization (FGD) wastewater and bottom ash generated as part of MLSES operation are managed in PDP-5. PDP-5 is regulated as an Existing CCR Impoundment under 40 C.F.R. § 257, Subpart D (the “CCR Rule”).

The original Post Closure Plan for PDP-5 was prepared in October 2016 in accordance with 40 C.F.R. §257.102(b) and placed in the MLSES operating record in accordance with 40 C.F.R. §257.105(h)(10) (PBW, 2016). This Addendum No. 1 updates the Post Closure Plan to reflect the following:

- Revisions to the configuration of the PDP-5 final cap/cover system; and
- Update to the Facility contact information.

2.0 PDP-5 FINAL CAP/COVER SYSTEM

PDP-5 is an approximately 31-acre surface impoundment that was constructed in 2010 over three closed PDPs. PDP-5 was constructed above grade and is surrounded by earthen embankments that extend approximately 10 to 15 feet above the adjacent ground surface.

A final cap/cover system will be constructed over the CCR placed in PDP-5 as part of unit closure as referenced in the 2016 Post Closure Plan (PBW, 2016). However, the Post Closure Plan for PDP-5 is hereby modified to reflect that the final cap/cover system for PDP-5 will consist of the following (from bottom to top):

- a geosynthetic clay liner (GCL) with a maximum hydraulic conductivity of 5×10^{-9} cm/sec and a minimum thickness of 6 mm;
- a 40-mil linear low-density polyethylene (LLDPE) textured geomembrane;
- a geosynthetic drainage layer; and
- an 18-inch erosion layer consisting of 12 inches of general fill overlain with 6 inches of soil capable of supporting native vegetation.

3.0 FACILITY CONTACT INFORMATION

The Facility Contact Information in Table 2 of Section 4 of the Post Closure Care Plan is updated as follows:

Table 2: Contact Information

Name	Luminant-Environmental Services
Address	6555 Sierra Drive, Irving, TX 75039
Telephone Number	214-875-8654
E-mail	CCRinfo@luminant.com

4.0 REFERENCES

Pastor, Behling & Wheeler, LLC (PBW), 2016. CCR Post Closure Plan – Permanent Disposal Pond 5, Martin Lake Steam Electric Station. October.