



REPORT

# POST CLOSURE PLAN ADDENDUM NO. 1

*Martin Lake Steam Electric Station - A1 Area Landfill  
Panola County, Texas*

Submitted to:

**Luminant Generation Company LLC**

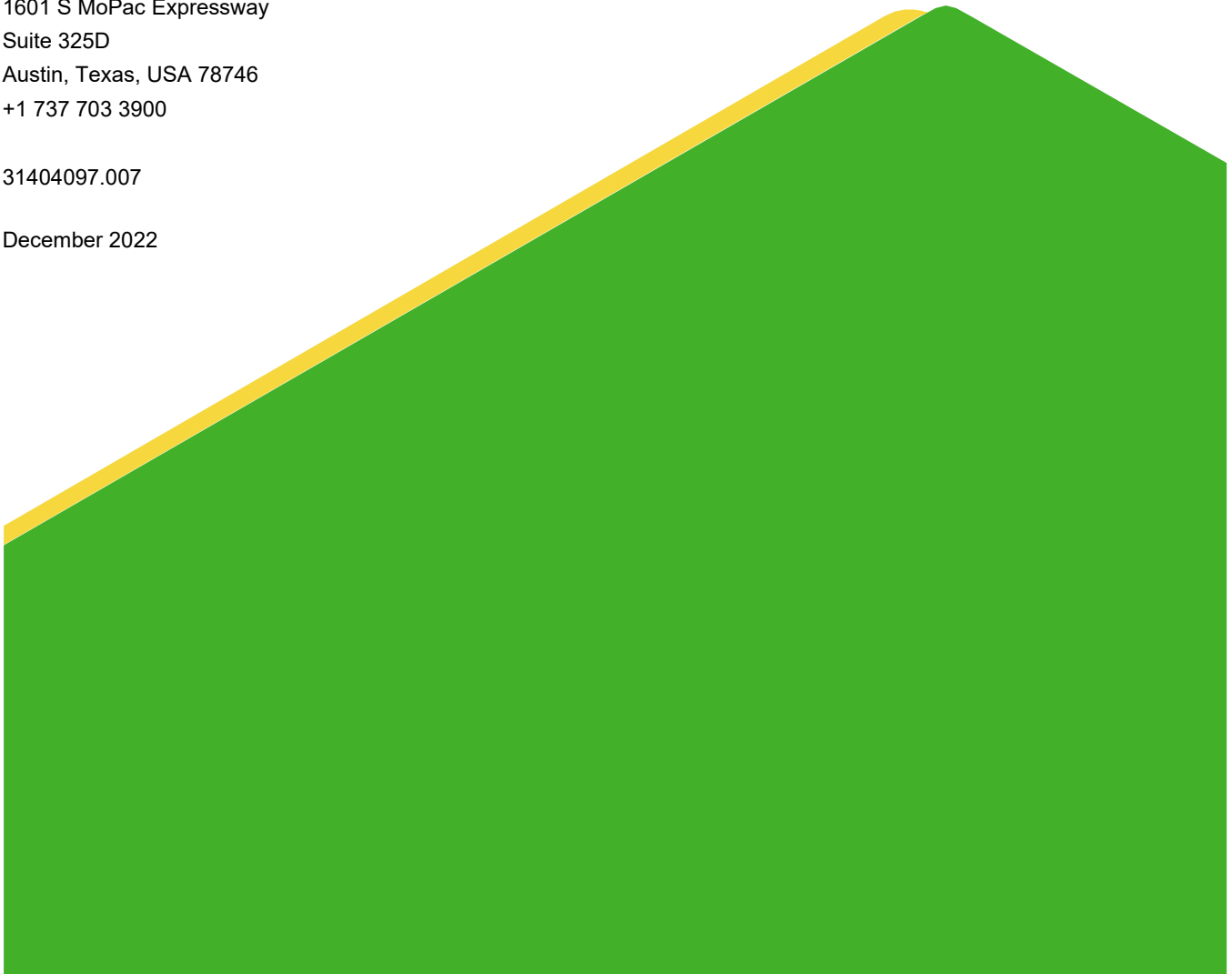
Submitted by:

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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 the A1 Area Landfill 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  
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## DOCUMENT REVISION RECORD

<b>Issue No.</b>	<b>Date</b>	<b>Details of Revisions</b>
<b>Revision 0</b>	October 2016	Original Document
<b>Addendum 1</b>	December 2022	Updated configuration of final cap/cover system for A1 Area Landfill 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 the A1 Area Landfill (A1 LF) located at the Martin Lake Steam Electric Station (MLSES) in Rusk County, Texas (hereafter, the “Site”). Coal Combustion Residuals (CCR) including fly ash, bottom ash, and gypsum generated as part of MLSES operation are disposed in the A1 LF. The A1 LF is regulated as an Existing CCR Landfill under 40 C.F.R. § 257, Subpart D (the “CCR Rule”).

The original Post Closure Plan for the A1 LF 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 A1 LF cap/cover system to be consistent with recent Texas Commission on Environmental Quality (TCEQ) approved cap modifications; and
- Update to the Facility contact information.

## 2.0 A1 AREA LANDFILL FINAL CAP/COVER SYSTEM

The A1 LF is the primary disposal facility for CCR generated at the MLSES and is located within a reclaimed section of the nearby Luminant Beckville Mine. The A1 LF is an above grade landfill surrounded by earthen embankments constructed of mine spoil that extend approximately 10 to 20 feet or more above surrounding grade. The A1 LF has been in operation since 1980 and progressive capping/closure of the A1 LF has been performed as placement of CCR in the landfill reached design elevations. Through 2019, capped/closed areas of the landfill have been covered with a 3-foot thick compacted mine spoil cap (in-place permeability of  $1 \times 10^{-7}$  cm/sec or less) covered with a 2-foot thick vegetative cover layer. This cap configuration was referenced in the 2016 A1 LF Post Closure Plan (PBW, 2016).

In 2019, Luminant proposed a modification of the A1 LF cap/cover configuration to close future landfill areas to TCEQ (Golder, 2019). The proposed cap modification consisted of the following (from bottom to top):

- a 2-foot thick compacted mine spoil liner layer (in-place permeability of  $1 \times 10^{-7}$  cm/sec or less); and
- a 1.5-foot thick vegetative soil cover layer.

TCEQ approved the proposed cap modification in 2020.

The Post Closure Plan for the A1 LF is hereby modified to reflect that future landfill areas will be closed using the following final cap/cover system (from bottom to top):

- a 2-foot thick compacted mine spoil liner layer (in-place permeability of  $1 \times 10^{-7}$  cm/sec or less); and
- a 1.5-foot thick vegetative soil cover layer.

### 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**

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

## 4.0 REFERENCES

Golder Associates (Golder), 2019. TCEQ Registration Update – A1 Area Landfill, Martin Lake Steam Electric Station. December.

Pastor, Behling & Wheeler, LLC (PBW), 2016. CCR Post Closure Plan – A1 Area Landfill, Martin Lake Steam Electric Station. October.