

**2021 ANNUAL CCR UNIT INSPECTION REPORT
MARTIN LAKE STEAM ELECTRIC STATION
A-1 Area Landfill**

LUMINANT



Luminant

ANNUAL INSPECTION BY A QUALIFIED PROFESSIONAL ENGINEER
40 CFR § 257.84(b)

Rev. 0 - 12/03/2021

(b)(1) Existing and new CCR landfills and any lateral expansion of a CCR landfill must be inspected on a periodic basis by a qualified professional engineer to ensure that the design, construction, operation, and maintenance of the CCR unit is consistent with recognized and generally accepted good engineering standards. The inspection must, at a minimum, include: (i) A review of available information regarding the status and condition of the CCR unit, including, but not limited to, files available in the operating record (e.g., the results of inspections by a qualified person, and results of previous annual inspections); and (ii) A visual inspection of the CCR unit to identify signs of distress or malfunction of the CCR unit.

SITE INFORMATION

Site Name / Address	A-1 Area Landfill Martin Lake Steam Electric Station 887 CR 257 Panola County Beckville, Texas 75631
Operator Name / Address	Luminant Generation Company, LLC 6555 Sierra Drive, Irving, TX 75039
CCR unit	CCR Landfill

INSPECTION REPORT 40 CFR § 257.84(b)(2)

Date of Inspection 9/30/2021

(b)(2)(i) Any changes in geometry of the structure since the previous annual inspection.	Based on a review of the CCR unit's records and visual observation during the on-site inspection, no changes in geometry of the structure have taken place since the previous annual inspection. Additional final cover construction has been completed over an approximate 36-acre area in the northern portion of the landfill.
(b)(2)(ii) The approximate volume of CCR contained in the unit at the time of the inspection.	51,560,000 cubic yards (48,415,000 tons) of CCR have been placed in A-1 Landfill from 1980 to 2021. Luminant estimates that approximately 886,000 cubic yards (832,000 tons) of CCR were placed in A-1 Landfill since the previous annual inspection.
(b)(2)(iii) Any appearances of an actual or potential structural weakness of the CCR unit, in addition to any existing conditions that are disrupting or have the potential to disrupt the operation and safety of the CCR unit	No evidence of slope movements or misalignments that have the potential to affect the structural integrity of A-1 Landfill were noted during the 2021 annual inspection. Based on an evaluation of slope stability completed in 2016 for the north embankment and conditions observed during subsequent annual inspections, no conditions were observed during the 2021 annual inspection that indicate an actual or potential structural weakness of the perimeter embankments surrounding A-1 Landfill. Visual inspection of areas exhibiting persistent saturated soil conditions and localized seepage will allow for identification of changes that may warrant actions in addition to dewatering activities currently being implemented by Luminant. Conditions observed during the annual inspection indicate that a disruption or the potential for disruption of the operation and safety of the CCR unit is not currently anticipated.
(b)(2)(iv) Any other change(s) which may have affected the stability or operation of the CCR unit since the previous annual inspection.	Based on a review of the CCR unit's records and visual observation during the on-site inspection, no other changes which may have affected the stability or operation of the CCR unit have taken place since the previous annual inspection.

40 CFR § 257.84(b) - Annual inspection by a qualified professional engineer.

I, Jeffrey B. Fassett, certify under penalty of law that the information submitted in this report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the state of Texas. The information submitted, is to the best of my knowledge and belief, true, accurate and complete. Based on the annual inspection, the design, construction, operation, and maintenance of the CCR Unit is consistent with recognized and generally accepted good engineering standards.

Jeffrey B. Fassett, PE
 Texas PE No. 85675, Expires: 06/30/2022
 Date: 12/03/2021

