1.0 EXECUTIVE SUMMARY

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FEB 15 2019

This report summarizes the annual 2019 mechanical integrity and reservoir pressure testing performed on the TM Deer Park Services Limited Partnership (TMDPS) waste disposal wells, WDW-169 and WDW-249, at the Deer Park facility. In addition, the five-year mechanical integrity testing requirement for WDW-169 was also performed. The mechanical integrity and reservoir pressure testing was conducted to meet the requirements and guidelines of the Texas Commission on Environmental Quality (TCEQ) and the U.S. Environmental Protection Agency Region 6 (USEPA), as well as the specific permit conditions for WDW-169 and WDW-249. Testing activities were conducted during the period from January 14 through January 22, 2019.

Wireline services were provided by Coastal Wireline Services, Inc. (CWS) from Pearland, Texas. The TMDPS site representatives were Mr. Frank Harris, Mr. Kirk Edwards and Ms. Christina Perez. Site activities were coordinated and supervised by Mr. Gary Rogers of Strata Technologies, LLC. The TCEQ Region 14 and USEPA Region 6 offices were notified of the testing operations. The certification of the testing operations is included in Attachment A. A chronological summary of activities is included in Attachment B. The detailed procedure, along with TCEQ correspondence, is included in Attachment C.

The mechanical integrity test (MIT) for each well included an annulus pressure test (APT) and a radioactive tracer (RAT) survey. The MIT results for each well indicated successful demonstrations of annular and external integrity. The reservoir pressure testing for each well included an injection/falloff test, static bottom-hole pressure measurement and a wellbore pressure gradient survey. The falloff test data analysis for both wells indicates that a valid pressure falloff test dataset was obtained. The five-year MIT for WDW-169 consisted of a differential temperature survey (DTS) and also demonstrated the external integrity of the well.

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All depths in this report are referenced to the original Kelly bushing (KB) elevation, which is 13 feet above ground level for WDW-169 and 26.5 feet above ground level for WDW-249. The current construction schematics for WDW-169 and WDW-249 are included as Figures 1-1 and 1-2, respectively.