

**NEW BOSTON LANDFILL
BOWIE COUNTY, TEXAS
TCEQ PERMIT NO. MSW 576C**

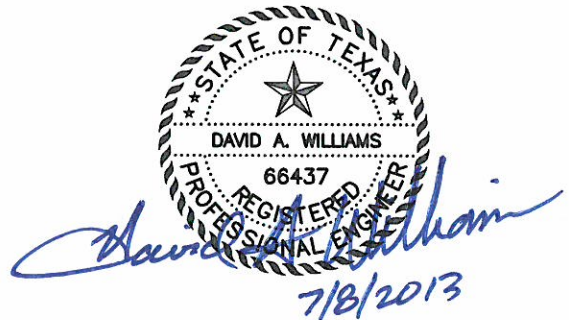
PERMIT AMENDMENT APPLICATION

**PART III – FACILITY INVESTIGATION AND DESIGN
ATTACHMENT C
FACILITY SURFACE WATER DRAINAGE REPORT**

Prepared for

WASTE MANAGEMENT OF TEXAS, INC.

July 2013



Prepared by

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1 NARRATIVE

30 TAC §330.63(c) and §§330.301-330.307

This facility surface water drainage report is prepared as part of a permit application for the New Boston Landfill, consistent with the requirements of 30 TAC §330.63(c) and §§330.301 through 330.307. The report is organized to include the drainage analysis and design, flood control and analysis, and drainage system plans and details. The facility design complies with the requirements of §330.303(a)-(b) concerning the management of run-on and runoff during the peak discharge of a 25-year rainfall event, the prevention of off-site discharge of waste and feedstock materials, and the control of surface water drainage in and around the facility. The following is a brief description of each of the attachments.

Attachment C1 – Drainage Analysis and Design

This attachment is the surface water drainage analysis and design of the facility, which includes calculations and demonstrations consistent with the requirements of §330.63(c)(1) and §§330.301-330.307. This attachment includes a comparison of surface water runoff in the current permitted condition to the postdevelopment condition for the 25-year, 24-hour rainfall event. The current permitted condition for this evaluation is defined as the permitted landfill completion for the New Boston Landfill (576B) and the existing conditions of the proposed expansion area. The comparison between the current permitted condition and the postdevelopment condition demonstrates that the proposed expansion of the New Boston Landfill will not adversely alter existing or permitted drainage patterns. In addition, this attachment includes the drainage design for the final cover system, drainage swales, chutes, perimeter channels, and detention ponds.

Attachment C2 – Flood Control Analysis

This attachment is the flood control analysis which includes calculations and demonstrations consistent with the requirements of §330.63(c)(2) and §§330.301-330.307. The flood control analysis demonstrates that the proposed expansion of the New Boston Landfill will not adversely impact the flooding conditions of Rice Creek and that the landfill footprint will not be located within the 100-year floodplain.

Attachment C3 – Drainage System Plans and Details

This attachment includes the permit level site plans and details for the drainage system consistent with §330.63(c) and §§330.301-330.307.