

Kansas Department of Health and Environment  
**Bureau of Waste Management Policy 10-02**

related to

**Construction and Demolition Waste:  
Volume to Weight Conversion Factor**

effective April 20, 2010

**Purpose**

This policy establishes the volume to weight conversion factor that may be used by solid waste facilities for the purpose of reporting construction and demolition (C&D) waste tonnages to the Kansas Department of Health and Environment (KDHE) and calculating the state solid waste tonnage fees that must be paid pursuant to K.S.A. 65-3415b.

**Background**

Each permitted solid waste facility in Kansas is required to report to KDHE the tons of solid waste disposed of or transferred during the reporting period. For facilities that do not have scales, volume-to-weight conversion factors are listed in K.A.R. 28-29-85(d). The conversion factor for C&D waste is 1,250 pounds per cubic yard, assuming a mixture of all components of C&D waste.

Because waste composed entirely of clean rubble (concrete, bricks, dirt, etc.) is exempt from the solid waste tonnage fee, many facilities keep this waste segregated from other C&D waste. For this reason, KDHE will have two separate conversion factors for C&D waste: one for clean rubble, and one for mixed C&D waste with only minimal amounts of clean rubble. Based on a review of conversion factors used by the Federal Emergency Management Agency (FEMA) and other states, KDHE has decided on the conversion factors listed below.

**Action**

Solid waste facilities without scales should use the following conversion factors for calculating the tonnage of C&D to report to KDHE:

Clean rubble..... 1800 pounds per cubic yard

Mixed C&D ..... 500 pounds per cubic yard

Because clean rubble that is not mixed with other C&D waste when it is transported to the facility is exempt from the tonnage fee, the increased conversion factor for this waste will not result in any increase in fees.

Facilities that have received specific approval from KDHE to use a factor lower than 500lb/yd<sup>3</sup> may continue to do so. Each approved alternate conversion factor will be periodically reevaluated.

This policy shall remain in effect until it is revoked or is rendered obsolete by future amendments to the solid waste laws or regulations.



William L. Bider  
Director, Bureau of Waste Management

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