

RAIN ADDS UP FAST

Even one inch of rain is a lot of water when it lands on an exposed waste area.



THE BASIC RAINFALL MATH

Gross rain volume = exposed horizontal area × rainfall depth × 0.623 gallons per square foot-inch.

100 FT² × 1 IN

About 62 gallons of gross precipitation.

176 FT² × 1 IN

About 110 gallons. The water itself weighs about 914 lb before losses.

200 FT² × 1 IN

About 125 gallons of gross precipitation.

IMPORTANT

Gross precipitation is not the same as retained or billed wet weight. Drainage, evaporation and timing matter.

USE THE NUMBER CORRECTLY

Call it gross rainfall exposure unless local wet/dry scale data shows how much water actually remains in the waste.

Sources: U.S. Geological Survey water properties; U.S. EPA industrial stormwater guidance.