

FIG. 1

$$BE_{CH_4, SWDS, y} = \phi_f \times (1 - f_y) \times GWP_{CH_4} \times (1 - OX) \times \frac{16}{12} \times F \times DOC_{fy} \times MCF_y \times \sum_{k=1}^y \sum_j (W_{j,x} \times DOC_j \times e^{-kj \times (y-x)} \times (1 - e^{-kj}))$$

Model Correction Factor: (10)

Fraction of Methane Captured at SWDS: (20)

Methane's Global Warming Potential Impact: (30)

Oxidation Factor: (40)

Conversion of Carbon to Methane: (50)

Fraction of Methane at SWDS: (60)

Fraction of Degradable Organic Carbon That can Decompose: (70)

Methane Correction Factor: (80)

Differentiating Time Horizons: (90)

Differentiating Waste Types: (100)

Amount of SW type j prevented from Disposal in a SWDS: (110)

Fraction of Degradable Organic Carbon in the Waste Type: (120)

Decay Rate by the Waste Type: (130)

Time Horizon under Review: (140)

Decay Rate by the Waste Type: (130)