

Tank Facility Analysis Report

Environmental Inputs:

Wind Speed (V): 120 m/s

Flood Height (h_f): 15 m

Wave Velocity: 2 m/s

Wave Height: 1.8 m

Time Period: 1 s

Tank Computations:

Tank 1:

Min Fill (Sliding): 15.299 ft

Min Fill (Floatation): 14.510 ft

Min Fill (Overturning): 14.519 ft

Tank 2:

Min Fill (Sliding): 17.078 ft

Min Fill (Floatation): 16.152 ft

Min Fill (Overturning): 16.149 ft

Tank 3:

Min Fill (Sliding): 17.818 ft

Min Fill (Floatation): 16.916 ft

Min Fill (Overturning): 16.930 ft