

Contaminated Zone Dimensions Initial Soil Concentrations, pCi/g  
AA

Area: 1.04 square meters Cs-137 9.241E+01

Thickness: 0.01 meters Sr-90 1.707E+02

Cover Depth: 0.05 meters

Total Dose TDOSE(t), mrem/yr

Basic Radiation Dose Limit = 2.500E+01 mrem/yr

Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)

AA

t (years): 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03

TDOSE(t): 6.672E+00 6.500E+00 6.228E+00 5.388E+00 3.672E+00 0.000E+00 0.000E+00 0.000E+00

M(t): 2.669E-01 2.600E-01 2.491E-01 2.155E-01 1.469E-01 0.000E+00 0.000E+00 0.000E+00

Maximum TDOSE(t): 6.672E+00 mrem/yr at t = 0.000E+00 years

6.672