



Protecting Against Radiation Exposure

All U.S. Department of Energy activities are performed in a manner that protects workers and the public from harmful exposure to radiation. In addition, packaging and transportation of all radioactive materials must be conducted in accordance with U.S. Department of Transportation (DOT) regulations.*

DOT Maximum Dose Limits: "Closed" Exclusive-Use Vehicle



1,000
mrem/hour

At contact – Waste package inside trailer
(Direct contact prohibited)



2
mrem/hour

Driver in cab



200
mrem/hour

At contact – Truck

2 m
6.6 ft

10
mrem/hour

At 2 meters (6.6 feet)

DOT Maximum Dose Limit: Service Attendants

Scenario:
Attendant Fueling Truck



50
mrem total

For 15 minutes of exposure
for a 200 mrem/hour dose
on contact with truck
transporting waste

DOT Maximum Dose Limit: Passers-By

Scenario:
Truck stopped in traffic;
pedestrian walks by trailer
on sidewalk



0.04
mrem total

For 15 seconds of exposure
for a 10 mrem/hour dose at
a distance of 2 meters (6.6 ft)

*10 CFR Part 71 and 49 CFR 1910

