

RADIOLOGICAL ACCIDENTS

Consequences from worst-case Radiological Accidents have remained consistent with values anticipated 18-years-ago.

The SWEIS analyzes the following types of accidents:

Aircraft Crash

Criticality

Earthquake

Explosion

Fire

Transportation Accident

INDIVIDUAL DOSE TO THE OFFSITE MAXIMALLY EXPOSED INDIVIDUAL (MEI) AT THE LIVERMORE SITE FENCE LINE

2005 SWEIS

23.1 rem

Draft 2022 SWEIS

17 rem

Annual Cancer Risk (LCF/yr.)

0.0000000845

0.000000052

OFFSITE POPULATION DOSE WITHIN 50-MILE RADIUS OF LIVERMORE SITE

2005 SWEIS

17,600 rem

Draft 2022 SWEIS

4,300 rem

Annual Cancer Risk (LCF/yr.)

0.00000646

0.000000082