

DRAFT
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RADIOLOGICAL GUIDELINES FOR UNDERGROUND
NUCLEAR TESTING

Considerations for each underground test will include the concept that an accident could occur and that the NV must be in a position to minimize the effects of an accident should it occur.

Pre-shot evaluation of each event will consider the maximum credible accident, and calculations will include estimates of "downrange" dose commitments which could result therefrom.

Acceptable "downrange" external whole-body dose commitment to persons off-site in uncontrolled areas shall be 5 rem in 30 years (exclusive of natural background or purposeful medical exposure); to persons off-site in areas where control efforts are possible and available it shall be 15 rem in 30 years.

Should a release or venting of radioactivity occur, every practicable effort will be made to reduce radiation exposure to the population to the lowest practicable level.

The basic guidelines stated above come from FRC-1 of May 13, 1960 and ERDA MC 0524.