

Offsite Consequences

MACCS (MELCOR Accident Consequence Code System)

Used MACCS code to analyze consequences for a spent fuel pool accident involving substantial meltdown of the fuel.

Major MACCS models: atmospheric dispersion and transport
individual offsite dose
population health effects (early fatalities,
cancer fatalities, societal dose)

Major MACCS inputs: fission product release to environment
beginning of evacuation, relative to release
population distribution

1-1-1
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