

## 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**

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