

The Evaluation of Early Health Effects by YGN 3&4 Severe Accidents

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Abstract

The influence of source term release parameters on early health effects was examined for the YGN 3&4 nuclear power plants. The release parameters considered in this study are release height, heat content, and release time. The early health effects by the change of release parameters are fatalities, injuries, and early fatality distance. The information obtained through this research can be very useful in developing strategies for reducing offsite consequences when combined with the influence of weather conditions on offsite risks.