

APPENDIX H

SEVERE ACCIDENT CONSEQUENCE ANALYSIS

APPENDIX H

SEVERE ACCIDENT CONSEQUENCE ANALYSIS

THIS IS A PLACEHOLDER AND IS INTENDED
TO GIVE AN INDICATION OF FUTURE CONTENT

Draft Outline

H.1 Introduction

H.1.1 Background

H.1.2 Purpose of document

H.2 Description of tools and capabilities

H.2.1 PRA information

H.2.2 MELCOR

H.2.3 MACCS

H.3 Severe reactor accident offsite consequence analysis

H.3.1 Scope based on regulatory problem statement

H.3.1.1 Scenario development

H.3.1.2 Affected population of plants and affected parameters

H.3.2 PRA information and frequency weighting

H.3.3 Accident progression analysis

H.3.3.1 Sources of information

H.3.3.2 MELCOR modeling approach

H.3.4 Off-site consequence analysis

H.3.4.1 Sources of information

H.3.4.2 MACCS modeling approach

H.4 Supplemental analyses

H.4.1 Sensitivity analyses

H.4.2 Uncertainty analyses

H.4.3 Plant-to-plant variability analyses

H.5 Presentation of results - inputs to regulatory analysis

H.5.1 Early fatality risk

H.5.2 Latent cancer fatality risk

H.5.3 Population dose risk

H.5.4 Offsite economic cost risk

H.5.5 Key assumptions and uncertainties

H.6 References

