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"PROTECTING THE GENERAL PUBLIC""PROTECTING THE GLOBAL POPULATION"; "NEGLIGIBLE INCREMENTAL RISK"; "PROTECTING LOCAL POPULATIONS"; "Population-Risk Standard"; "Spatial Gradient in Risk"; "PREFERRED FORM OF THE STANDARD"; "3 ASSESSING COMPLIANCE "; "INTRODUCTION"; "PART I: OVERVIEW OF PERFORMANCE ASSESSMENT"; "Reasonable Confidence"; "Time scale"; "Probabilistic Analysis of Risk"; "QUANTITATIVE CALCULATION OF REPOSITORY PERFORMANCE"; "Elements of Performance Assessment"; "Conceptual model"; "Mathematical model"; "Numerical analysis"; "Model parameters"

"Boundary conditions""Treatment of Uncertainty"; "Probabilistic modeling"; "Bounding estimates"; "Alternative conceptual models"; "Summary"; "PATHWAYS AND PROCESSES FOR PERFORMANCE ASSESSMENT AT YUCCA MOUNTAIN"; "PART II: EARTH SCIENCE AND ENGINEERING FACTORS IN PERFORMANCE ASSESSMENT AT YUCCA MOUNTAIN"; "Transport Among Reservoirs"; "Release from the waste form"; "Transport from canisters to the near-field unsaturated zone"; "Gas phase transport from the unsaturated zone to the atmosphere above Yucca Mountain"

"Atmospheric circulation leading to dispersal of gaseous radionuclides in the world atmosphere""Aqueous phase transport from the unsaturated zone to the water table"; "Gradual and Episodic Natural Modifiers"; "Climate change"; "Seismicity"; "Volcanism"; "PART III: EXPOSURE SCENARIOS IN PERFORMANCE ASSESSMENT"; "Selection of Exposure Scenarios for Performance Assessment Calculations"; "Exclusion Zone"; "4 HUMAN INTRUSION AND INSTITUTIONAL CONTROLS "; "INTRODUCTION"; "The Consequences of Intrusion"; "Technical basis"; "Consequence-based analysis"

"ADDITIONAL BASES FOR OUR RECOMMENDATION"

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