

Enclosure 1

Audit - Documents for PRA 4-3-2017

Documents Supporting 040317 Audit 17.4, 19.0 - 19.2, 19.3, ER (042717).pdf

Part 2 Section 17.4_040317

ER-E013-4231_R1_SSC Class Report Neutron Monitoring System (E013).pdf
ER-F010-4319_R1 SSC Class Report Control Building System (F010).pdf
ER-F011-4100_R1 SSC Class Report Reactor Building Crane (F011).pdf
ER-F170-4158_R0 SSC Class Report Control Building System (F170).pdf
PG-0302-9541_R2 SSC Classification Program.pdf
TR-0515-13952-NP-A_R0 NuScale Risk Significance Determination.pdf
ER-A014-4036_R2 SSC Class Report for the Steam Generator (A014).pdf
ER-A030-4452_R0 SSC Class Report Reactor Coolant System (A030).pdf
ER-B010-4230_R1 SSC Class Report Chemical Volume Control System (B010).pdf
ER-B020-4090_R1 SSC Class Report Emergency Core Cooling System (B020).pdf
ER-B030-4201_R1 SSC Classification Report Decay Heat Removal System (B030).pdf
ER-B175-4224_R0 SSC Class Report Ultimate Heat Sink System (B175).pdf
ER-E011-4093_R1 SSC Class Report Module Protection System (E011).pdf
EP-0303-2122_R3 Design Reliability Assurance Program Implementation Procedure.pdf
ER-A013-4381_R1 SSC Class Report Reactor Module (A010) and Containment System (A013).pdf
ER-A021-4499_R0 SSC Class Report Reactor Core System (A021).pdf
ER-A022-4260_R2 SSC Class Report Control Rod Drive System (A022).pdf
EP-0303-2109_R5 Classification of Structures, Systems, and Components.pdf

Part 2 Section 19.3_040317

EP-0003-3712_R1 RTNSS Determination Procedure.pdf
ER-0000-3674_R1 Implementation of the Regularoy Treatment of Nonsafety-Related Systems.pdf

Part 2 Section 19.0 to 19.2_040317

ER_P070_3938_R0_Shared_System_Hazards_Analysis.pdf
ER_P070_7031_R0_Multi_Module_Probabilistic_Risk_Assessment_Notebook.pdf
ME-1213-5472_r7_Probabilistic_Risk_Assessment_Update_(memo),.pdf
TR-0515-13952-NP-A NuScale Risk Significance Determination.pdf
ER_P020_5092_R0_Assessment_of_Low-Risk_Severe_Accident_Phenomena.pdf
ER_P030_3753_R1_SAMDA_Identification_and_Screening.pdf

ER_P040_7026_R0_Seismic_Margin_Assessment_Notebook.pdf
ER_P040_7027_R0_Other_External_Events_Notebook.pdf
ER_P040_7028_R0_High_Winds_Notebook_wECN.pdf
ER_P040_7029_R0_External_Floods_Notebook_wECN.pdf
ER_P050_3815_R1_PRA for Reactor Building Crane_wECN.pdf
ER_P050_7030_R1 Low Power Shutdown PRA Notebook_wECN.pdf
ER_P060_4715_R0_TRN_07T__General_Transient_with_Stuck_Open_RSV_and_No_Mitigation.pdf
ER_P060_4724_R0_NuScale_MELCOR_Basemodel.pdf
ER_P060_4748_R0_LEC_06T__RVV_LOCA_with_No_Mitigation.pdf
ER_P060_4749_R0_LCC_05T__Charging_Line_Break_Inside_Containment_with_No_Mitigation.pdf
ER_P060_4750_00_LCU_03T__Unisolated_Charging_Line_LOCA_Outside_Containment_No_Mitigation.pdf
ER_P060_4857_R0_LCC_05T__Charging_Line_Break_Inside_Cntmt_Complete_ECCS_Failure_wECN.pdf
ER_P060_7047_R0_LCU_05T__Unisolated_Charging_Line_LOCA_Outside_Cntmt_with_CFDS,ECCS.pdf
ER_P060_7050_R0_LEC_09T__ECCS_Valve_LOCA_with_Charging_Injection.pdf
ER_P060_7076_R0_TRN_14A__General_Transient_with_Cycling_RSV__ATWS_.pdf
ER_P060_7082_R0_NuScale_NRELAP5_Probabilistic_Risk_Assessment_Base_Model.pdf
ER_P060_7085_R1_Dropped_Module_Consequence_Analysis.pdf
ER_P010_7008_R0_Success_Criteria_Notebook_wECN.pdf
ER_P010_7009_R0_Human_Reliability_Analysis_Notebook.pdf
ER_P010_7080_A_Analysis_of_Event_Tree_Model_Uncertainty_L1_PRA.pdf
ER_P011_7017_R0_Module_Protection_System_PRA_Notebook.pdf
ER_P011_7020_R0_Reactor_Coolant_System_PRA_Notebook.pdf
ER_P012_7022_R0_Internal_Fires_Notebook.pdf
ER_P013_7023_R0_Internal_Floods_Notebook.pdf
ER_P020_3536_R0_Analysis_of_In-Vessel_Retention_in_the_Reactor_Pressure_Vessel.pdf
ER_P020_4450_R0_Analysis_of_In-Vessel_Retention_in_the_Containment_Vessel.pdf
ER_P020_4860_R0_Thermodynamic_Analysis_of_In_Vessel_Fuel_Coolant_Interaction.pdf
ER_P020_4896_R0_Severe_Accident_Selection_Methodology.pdf
ER_P020_4904_R0_Hydrogen_Deflagration__Adiabatic_Isochoric_Complete_Combustion.pdf
ER_P020_7024_R0_Level_2_Probabilistic_Risk_Assessment_Notebook_wECN.pdf
ER_P030_3751_R1_SAMDA_Value_of_Maximum_Risk_Calc.pdf
ER_P010_4713_R0_Confirmation_of_PSSR_PRA_Report_wECN.pdf
ER_P010_4911_00_Impact_of_RVV_Size_on_ECCS_Passive_Reliability.pdf
ER_P010_7006_R0_Initiating_Event_Analysis_Notebook.pdf
ER_P010_7007_R0_Accident_Sequence_Analysis_Notebook_wECN.pdf
ER_P010_7010_R0_Data_Analysis_Probabilistic_Risk_Assessment_Notebook.pdf
ER_P011_7016_R0_Emergency_Core_Cooling_System_PRA_Notebook.pdf
ER_P000_7002_R0_Probabilistic_Risk_Assessment_Quantification_Notebook_wECN.pdf
ER_P010_3778_R0_Loss_of_DC_Power_Initiating_Event_Frequency_Report.pdf
ER_P010_3779_R1_Probabilistic_Analysis_of_ECC_Valve_Reliability.pdf
ER_P010_3780_R0_Control_Rod_Drive_Common_Cause_Failure_Quantification_Report.pdf
ER_P010_3782_R0_Steam_Generator_Tube_Failure_Probabilistic_Risk_Assessment_Report.pdf
ER_P000_4762_00_Comparative_Reliability_Highly_Reliable_DC_Power_System.pdf
ER_P000_7004_R0_PRA_Large_Release_Frequency_Definition.pdf
ER_P000_7200_R0_NuScale_SAPHIRE_Probabilistic_Risk_Assessment_Base_Model.pdf
ER_P010_3777_A_Passive_Safety_System_Reliability_PRA_Report.pdf
EP-0303-7000_R2_PRA_Group_Functions_and_Quality_Controls.pdf

ER_P000_4474_R0_External Review of the NuScale PRA Self-Assessment.pdf
ER_P000_4541_R0_NuScale Probabilistic Risk Assessment Narrative.pdf
ER_P000_4568_R0_Final Report of the NuScale PRA Expert Panel.pdf
ER_P000_7001_R0_Probabilistic Risk Assessment Main Report_wECN.pdf

04_06_2017 Elevation Info - Changed from " 04_06_2017 Debrief Questions"

2016-06-08 final NuScale Overview_Red.pdf
Pages from EC-A010-1782-Rev0_NRELAP5_Basemodel.pdf
Pages from ER-0000-2486 Revision 4.pdf

04_13_17 RB Pool level Info

Pages from ER_B175_00002441_01_UHS_Pool_Level_Report.pdf

04_18_2017 SMA, RAP, Bioshield

ES-0303-3685Rev0_annotated.pdf
pages 120-124 of ER-P040-7026.pdf
Pages from ER_P040_00007026_00_Seismic_Margin_Assessment_Notebook_.pdf

04_27_17 Case LMU_03A

ER-P060-7061-R0_LMU_03A_Unisol_MSL_Break_Cucl_RSV_ATWS.pdf