

Application	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
01-1	354	9359	Std. Design	N/A	Confirmatory Action	None		Introduction and Interfaces	LB1	1/28/18		3/27/18	ML18086B096
02.03.01-1	264	9179	Std. Design	N/A	Resolved - Closed	None		Regional Climatology	RMOT	10/16/17	ML17289B257	12/15/17	ML17349A980
02.03.01-2	264	9179	Std. Design	N/A	Resolved - Closed	None		Regional Climatology	RMOT	10/16/17	ML17289B257	12/15/17	ML17349A980
02.03.01-3	264	9179	Std. Design	N/A	Resolved - Closed	None		Regional Climatology	RMOT	10/16/17	ML17289B257	12/15/17	ML17349A980
02.03.01-4	264	9179	Std. Design	N/A	Resolved - Closed	None		Regional Climatology	RMOT	10/16/17	ML17289B257	12/15/17	ML17349A980
02.03.01-5	264	9179	Std. Design	N/A	Resolved - Closed	None		Regional Climatology	RMOT	10/16/17	ML17289B257	12/15/17	ML17349A980
02.03.01-6	300	9186	Std. Design	N/A	Resolved - Closed	None		Regional Climatology	RMOT	12/15/17	ML17349A337	2/13/18	ML18044A695
02.03.01-6	300	9186	Std. Design	N/A	Resolved - Closed	None		Regional Climatology	RMOT	12/15/17	ML17349A337	9/14/18	ML18257A299
02.03.01-7	300	9186	Std. Design	N/A	Resolved - Closed	None		Regional Climatology	RMOT	12/15/17	ML17349A337	2/13/18	ML18044A695
02.03.01-8	300	9186	Std. Design	N/A	Resolved - Closed	None		Regional Climatology	RMOT	12/15/17	ML17349A337	2/13/18	ML18044A695
02.03.04-1	270	9185	Std. Design	N/A	Resolved - Closed	None		Short Term Atmospheric Dispersion Estimates for Accident Releases	RMOT	10/23/17	ML17296A142	12/11/17	ML17345A957
02.03.05-1	276	9182	Std. Design	N/A	Resolved - Closed	None		Long-Term Atmospheric Dispersion Estimates for Routine Releases	RMOT	11/3/17	ML17307A376	5/29/18	ML18149A342
02.03.05-1	276	9182	Std. Design	N/A	Resolved - Closed	None		Long-Term Atmospheric Dispersion Estimates for Routine Releases	RMOT	11/3/17	ML17307A376	9/14/18	ML18257A297
02.04.13-1	72	8750	Std. Design	N/A	Resolved - Closed	None		Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters	RPAC	6/27/17	ML17178A321	8/24/17	ML17236A244

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02.05.04-1	181	9049	Std. Design	N/A	Resolved - Closed	None		Stability of Subsurface Materials and Foundations	RGS1	8/18/17	ML17230A007	10/12/17	ML17285B465
02.05.04-1	181	9049	Std. Design	N/A	Resolved - Closed	None		Stability of Subsurface Materials and Foundations	RGS1	8/18/17	ML17230A007	10/12/17	ML17285B465
02.05.04-2	181	9049	Std. Design	N/A	Resolved - Closed	None		Stability of Subsurface Materials and Foundations	RGS1	8/18/17	ML17230A007	10/12/17	ML17285B465
02.05.04-2	181	9049	Std. Design	N/A	Resolved - Closed	None		Stability of Subsurface Materials and Foundations	RGS1	8/18/17	ML17230A007	11/16/17	ML17320B122
02.05.04-3	181	9049	Std. Design	N/A	Resolved - Closed	None		Stability of Subsurface Materials and Foundations	RGS1	8/18/17	ML17230A007	11/16/17	ML17320B122
02.05.04-3	181	9049	Std. Design	N/A	Resolved - Closed	None		Stability of Subsurface Materials and Foundations	RGS1	8/18/17	ML17230A007	10/12/17	ML17285B465
03.02.01-1	183	8947	Std. Design	N/A	Resolved - Closed	None		Seismic Classification	MEB	8/18/17	ML17230A106	10/17/17	ML17290B266
03.02.01-10	272	9160	Std. Design	N/A	Resolved - Closed	None		Seismic Classification	MEB	11/1/17	ML17307A096	1/2/18	ML18002A595
03.02.01-2	183	8947	Std. Design	N/A	Resolved - Closed	None		Seismic Classification	MEB	8/18/17	ML17230A106	10/17/17	ML17290B266
03.02.01-3	183	8947	Std. Design	N/A	Resolved - Closed	None		Seismic Classification	MEB	8/18/17	ML17230A106	10/17/17	ML17290B266
03.02.01-4	272	9160	Std. Design	N/A	Resolved - Closed	None		Seismic Classification	MEB	11/1/17	ML17307A096	1/2/18	ML18002A595
03.02.01-5	272	9160	Std. Design	N/A	Resolved - Closed	None		Seismic Classification	MEB	11/1/17	ML17307A096	1/2/18	ML18002A595
03.02.01-6	272	9160	Std. Design	N/A	Resolved - Closed	None		Seismic Classification	MEB	11/1/17	ML17307A096	1/2/18	ML18002A595
03.02.01-7	272	9160	Std. Design	N/A	Resolved - Closed	None		Seismic Classification	MEB	11/1/17	ML17307A096	1/2/18	ML18002A595
03.02.01-8	272	9160	Std. Design	N/A	Resolved - Closed	None		Seismic Classification	MEB	11/1/17	ML17307A096	1/2/18	ML18002A595
03.02.01-9	272	9160	Std. Design	N/A	Resolved - Closed	None		Seismic Classification	MEB	11/1/17	ML17307A096	1/2/18	ML18002A595

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03.02.02-1	184	8948	Std. Design	N/A	Resolved - Closed	None		System Quality Group Classification	MEB	8/18/17	ML17230A107	10/17/17	ML17290B241
03.02.02-2	184	8948	Std. Design	N/A	Resolved - Closed	None		System Quality Group Classification	MEB	8/18/17	ML17230A107	10/17/17	ML17290B241
03.02.02-3	184	8948	Std. Design	N/A	Resolved - Closed	None		System Quality Group Classification	MEB	8/18/17	ML17230A107	10/17/17	ML17290B241
03.02.02-4	184	8948	Std. Design	N/A	Resolved - Closed	None		System Quality Group Classification	MEB	8/18/17	ML17230A107	10/17/17	ML17290B241
03.02.02-5	184	8948	Std. Design	N/A	Resolved - Closed	None		System Quality Group Classification	MEB	8/18/17	ML17230A107	10/17/17	ML17290B241
03.02.02-6	184	8948	Std. Design	N/A	Resolved - Closed	None		System Quality Group Classification	MEB	8/18/17	ML17230A107	10/17/17	ML17290B241
03.02.02-7	507	9619	Std. Design	N/A	Resolved - Closed	None		System Quality Group Classification	MEB	10/3/18	ML18289A755	12/17/18	ML18351A357
03.03.01-1	144	8979	Std. Design	N/A	Resolved - Closed	None		Wind Loading	SEB	8/5/17	ML17217A015	9/29/17	ML17272A119
03.03.01-1	144	8979	Std. Design	N/A	Resolved - Closed	None		Wind Loading	SEB	8/5/17	ML17217A015	12/28/17	ML17362A321
03.03.01-2	144	8979	Std. Design	N/A	Resolved - Closed	None		Wind Loading	SEB	8/5/17	ML17217A015	9/29/17	ML17272A119
03.04.01-1	173	9052	Std. Design	N/A	Unresolved - Closed	None		Internal Flood Protection for Onsite Equipment Failures	SPSB	8/12/17	ML17224A023	10/10/17	ML17283A393
03.04.01-2	174	9053	Std. Design	N/A	Unresolved - Closed	None		Internal Flood Protection for Onsite Equipment Failures	SPSB	8/12/17	ML17224A024	10/11/17	ML17284A914
03.04.01-3	318	9330	Std. Design	N/A	Resolved - Closed	None		Internal Flood Protection for Onsite Equipment Failures	SPSB	1/3/18	ML18003B378	3/5/18	ML18064A889
03.04.01-4	319	9331	Std. Design	N/A	Resolved - Closed	None		Internal Flood Protection for Onsite Equipment Failures	SPSB	1/3/18	ML18003B379	8/24/18	ML18236A893
03.04.02-1	124	8981	Std. Design	N/A	Resolved - Closed	None		Analysis Procedures	SEB	8/4/17	ML17216A837	9/29/17	ML17272A411
03.04.02-1	124	8981	Std. Design	N/A	Resolved - Closed	None		Analysis Procedures	SEB	8/4/17	ML17216A837	12/28/17	ML17362A557

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03.04.02-2	124	8981	Std. Design	N/A	Resolved - Closed	None		Analysis Procedures	SEB	8/4/17	ML17216A837	9/29/17	ML17272A411
03.04.02-3	124	8981	Std. Design	N/A	Resolved - Closed	None		Analysis Procedures	SEB	8/4/17	ML17216A837	9/29/17	ML17272A411
03.04.02-4	124	8981	Std. Design	N/A	Resolved - Closed	None		Analysis Procedures	SEB	8/4/17	ML17216A837	9/29/17	ML17272A411
03.05.01.01- 1	20	8770	Std. Design	N/A	Resolved - Closed	None		Internally Generated Missiles (Outside Containment)	SPSB	5/10/17	ML17130A825	6/22/17	ML17173A830
03.05.01.03- 1	504	9605	Std. Design	N/A	Resolved - Closed	None		Turbine Missiles	MCB	9/18/18	ML18261A202	10/29/18	ML18302A411
03.05.01.04- 1	21	8780	Std. Design	N/A	Resolved - Closed	None		Missiles Generated by Tornadoes and Extreme Winds	SPSB	5/10/17	ML17130A826	7/7/17	ML17188A455
03.05.02-1	22	8804	Std. Design	N/A	Resolved - Closed	None		Structures Systems and Components To Be Protected From Externally- Generated Missiles	SPSB	5/15/17	ML17135A405	7/7/17	ML17188A458
03.05.02-2	22	8804	Std. Design	N/A	Resolved - Closed	None		Structures Systems and Components To Be Protected From Externally- Generated Missiles	SPSB	5/15/17	ML17135A405	7/7/17	ML17188A458
03.05.03-1	112	8983	Std. Design	N/A	Resolved - Closed	None		Barrier Design Procedures	SEB	7/30/17	ML17211A003	9/25/17	ML17268A251
03.05.03-2	112	8983	Std. Design	N/A	Resolved - Closed	None		Barrier Design Procedures	SEB	7/30/17	ML17211A003	9/25/17	ML17268A251
03.05.03-2	112	8983	Std. Design	N/A	Resolved - Closed	None		Barrier Design Procedures	SEB	7/30/17	ML17211A003	1/15/18	ML18015A008
03.05.03-3	112	8983	Std. Design	N/A	Resolved - Closed	None		Barrier Design Procedures	SEB	7/30/17	ML17211A003	9/25/17	ML17268A251
03.05.03-4	503	9596	Std. Design	N/A	Confirmatory Action	None		Barrier Design Procedures	SEB	9/7/18	ML18250A323	10/31/18	ML18304A305
03.05.03-4	503	9596	Std. Design	N/A	Confirmatory Action	None		Barrier Design Procedures	SEB	9/7/18	ML18250A323	11/1/19	ML19305E532

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03.06.01-1	287	9221	Std. Design	N/A	Confirmatory Action	None		Plant Design for Protection Against Postulated Piping Failures in Fluid Systems Outside Containment	SPSB	11/24/17	ML17335A111	8/28/18	ML18240A438
03.06.02-1	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	8/28/18	ML18240A439
03.06.02-10	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	7/27/17	ML17208B065
03.06.02-11	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	4/3/18	ML18093B577
03.06.02-12	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	4/3/18	ML18093B577
03.06.02-12	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	11/5/18	ML18309A365
03.06.02-12	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	4/3/18	ML18093B577
03.06.02-12	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	4/3/18	ML18093B577
03.06.02-13	52	8855	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/2/17	ML17153A384	4/3/18	ML18093B568

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03.06.02-13	52	8855	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/2/17	ML17153A384	12/4/18	ML18338A238
03.06.02-13	52	8855	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/2/17	ML17153A384	4/3/18	ML18093B568
03.06.02-14	52	8855	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/2/17	ML17153A384	8/29/18	ML18241A397
03.06.02-14	52	8855	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/2/17	ML17153A384	1/31/19	ML19031C976
03.06.02-15	89	8942	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	7/7/17	ML17188A448	9/1/17	ML17244A893
03.06.02-16	273	9187	Std. Design	N/A	Unresolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	11/3/17	ML17307A102	12/15/17	ML17349A815
03.06.02-17	340	9358	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	1/26/18	ML18026A519	1/22/19	ML19022A364
03.06.02-17	340	9358	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	1/26/18	ML18026A519	12/13/18	ML18348A917
03.06.02-17	340	9358	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	1/26/18	ML18026A519	3/20/19	ML19058A670

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03.06.02-17	340	9358	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	1/26/18	ML18026A519	11/15/18	ML18319A380
03.06.02-17	340	9358	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	1/26/18	ML18026A519	3/27/18	ML18086B442
03.06.02-17	340	9358	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	1/26/18	ML18026A519	3/27/18	ML18086B442
03.06.02-2	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	2/6/19	ML19037A319
03.06.02-2	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	1/25/19	ML19025A279
03.06.02-3	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	11/5/18	ML18309A364
03.06.02-4	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	11/5/18	ML18309A364
03.06.02-5	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	11/5/18	ML18309A364

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03.06.02-6	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	8/28/18	ML18240A439
03.06.02-7	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065		
03.06.02-8	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	4/3/18	ML18093B577
03.06.02-9	42	8836	Std. Design	N/A	Resolved - Closed	None		Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	MEB	6/1/17	ML17153A065	9/26/17	ML17269A314
03.06.03-1	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	MCB	9/21/17	ML17264A272	11/15/17	ML17319B000
03.06.03-10	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	МСВ	9/21/17	ML17264A272	11/15/17	ML17319B000
03.06.03-11	297	9213	Std. Design	N/A	Unresolved - Closed	None		Leak-Before-Break Evaluation Procedures	МСВ	12/15/17	ML17349A087	1/25/18	ML18026A652
03.06.03-2	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	МСВ	9/21/17	ML17264A272	7/23/18	ML18204A141
03.06.03-2	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	МСВ	9/21/17	ML17264A272	6/19/19	ML19170A370
03.06.03-3	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	MCB	9/21/17	ML17264A272	7/17/18	ML18198A515
03.06.03-4	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	МСВ	9/21/17	ML17264A272	11/15/17	ML17319B000
03.06.03-5	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	МСВ	9/21/17	ML17264A272	11/15/17	ML17319B000
03.06.03-6	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	MCB	9/21/17	ML17264A272	11/15/17	ML17319B000

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03.06.03-7	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	МСВ	9/21/17	ML17264A272	11/15/17	ML17319B000
03.06.03-8	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	MCB	9/21/17	ML17264A272	11/15/17	ML17319B000
03.06.03-9	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	MCB	9/21/17	ML17264A272	7/23/18	ML18204A141
03.06.03-9	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	МСВ	9/21/17	ML17264A272	10/15/18	ML18288A395
03.06.03-9	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	MCB	9/21/17	ML17264A272	6/6/19	ML19157A325
03.06.03-9	232	9113	Std. Design	N/A	Resolved - Closed	None		Leak-Before-Break Evaluation Procedures	МСВ	9/21/17	ML17264A272	6/25/19	ML19176A579
03.07.01-1	94	8900	Std. Design	N/A	Resolved - Closed	None		Seismic Design Parameters	SEB	7/14/17	ML17195A857	9/5/17	ML17249A965
03.07.01-2	94	8900	Std. Design	N/A	Resolved - Closed	None		Seismic Design Parameters	SEB	7/14/17	ML17195A857	9/5/17	ML17249A965
03.07.01-3	94	8900	Std. Design	N/A	Resolved - Closed	None		Seismic Design Parameters	SEB	7/14/17	ML17195A857	9/5/17	ML17249A965
03.07.02-1	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	4/3/18	ML18093B061
03.07.02-10	133	8936	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A004	10/22/18	ML18295A778
03.07.02-10	133	8936	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A004	9/6/18	ML18249A413
03.07.02-10	133	8936	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A004	6/25/18	ML18176A154
03.07.02-11	133	8936	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A004	10/5/17	ML17276B886
03.07.02-12	133	8936	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A004	8/30/17	ML17242A281
03.07.02-13	134	8934	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A005	10/3/17	ML17277A300

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.07.02-14	134	8934	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A005	10/3/17	ML17277A300
03.07.02-15	134	8934	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A005	12/21/17	ML17355A678
03.07.02-15	134	8934	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A005	5/7/18	ML18127B711
03.07.02-15	134	8934	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A005	10/19/18	ML18292A747
03.07.02-15	134	8934	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A005	8/27/18	ML18239A307
03.07.02-15	134	8934	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A005	8/28/18	ML18240A436
03.07.02-15	134	8934	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A005	6/29/18	ML18180A343
03.07.02-16	136	8933	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A006	2/11/19	ML19042A646
03.07.02-16	136	8933	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A006	1/21/19	ML19021A016
03.07.02-16	136	8933	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A006	10/31/18	ML18304A476
03.07.02-17	136	8933	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A006	12/3/18	ML18337A441
03.07.02-18	136	8933	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A006	10/3/17	ML17277A312
03.07.02-19	136	8933	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A006	10/3/17	ML17277A312
03.07.02-19	136	8933	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A006	12/6/17	ML17340B394
03.07.02-2	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	12/6/17	ML17340B393
03.07.02-2	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	9/27/17	ML17271A239

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.07.02-20	136	8933	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A006	12/6/17	ML17340B394
03.07.02-20	136	8933	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A006	10/3/17	ML17277A312
03.07.02-21	136	8933	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A006	10/3/17	ML17277A312
03.07.02-22	136	8933	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A006	10/3/17	ML17277A312
03.07.02-23	164	8935	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/11/17	ML17223A124	8/29/18	ML18241A398
03.07.02-23	164	8935	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/11/17	ML17223A124	1/10/19	ML19010A408
03.07.02-24	164	8935	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/11/17	ML17223A124	12/7/17	ML17341B655
03.07.02-24	164	8935	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/11/17	ML17223A124	10/6/17	ML17279B156
03.07.02-25	164	8935	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/11/17	ML17223A124	12/20/18	ML18354B049
03.07.02-26	164	8935	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/11/17	ML17223A124	1/28/19	ML19028A234
03.07.02-26	164	8935	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/11/17	ML17223A124	11/29/18	ML18333A359
03.07.02-27	191	9036	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/19/17	ML17231A003	10/17/17	ML17290B261
03.07.02-28	191	9036	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/19/17	ML17231A003	10/17/17	ML17290B261
03.07.02-29	191	9036	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/19/17	ML17231A003	10/17/17	ML17290B261
03.07.02-3	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	9/27/17	ML17271A239
03.07.02-3	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	12/6/17	ML17340B393

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.07.02-30	191	9036	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/19/17	ML17231A003	10/17/17	ML17290B261
03.07.02-31	221	9114	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	9/10/17	ML17255A738	11/13/17	ML17317B553
03.07.02-31	221	9114	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	9/10/17	ML17255A738	5/15/18	ML18135A123
03.07.02-31	221	9114	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	9/10/17	ML17255A738	2/21/18	ML18052B565
03.07.02-31	221	9114	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	9/10/17	ML17255A738	10/31/18	ML18304A260
03.07.02-31	221	9114	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	9/10/17	ML17255A738	11/29/18	ML18333A211
03.07.02-32	221	9114	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	9/10/17	ML17255A738	11/13/17	ML17317B553
03.07.02-33	317	9254	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	1/3/18	ML18003A441	3/2/18	ML18061A063
03.07.02-4	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	4/30/18	ML18120A261
03.07.02-4	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	6/6/18	ML18157A262
03.07.02-4	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	8/24/18	ML18236A927
03.07.02-4	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	4/5/19	ML19100A151
03.07.02-5	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	11/29/18	ML18333A387
03.07.02-6	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	10/22/18	ML18295A791
03.07.02-6	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	4/5/19	ML19100A151
03.07.02-6	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	5/22/18	ML18142C204

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03.07.02-6	110	8932	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	7/30/17	ML17211A001	8/24/18	ML18236A573
03.07.02-7	133	8936	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A004	1/31/18	ML18031B204
03.07.02-7	133	8936	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A004	1/11/19	ML19011A346
03.07.02-8	133	8936	Std. Design	N/A	Resolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A004	10/3/17	ML17276B886
03.07.02-9	133	8936	Std. Design	N/A	Unresolved - Closed	None		Seismic System Analysis	SEB	8/5/17	ML17217A004	10/5/17	ML17276B886
03.07.03-1	135	8928	Std. Design	N/A	Resolved - Closed	None		Seismic Subsystem Analysis	SEB	8/5/17	ML17217A006	10/3/17	ML17276B458
03.07.03-2	135	8928	Std. Design	N/A	Resolved - Closed	None		Seismic Subsystem Analysis	SEB	8/5/17	ML17217A006	10/3/17	ML17276B458
03.07.03-2	135	8928	Std. Design	N/A	Resolved - Closed	None		Seismic Subsystem Analysis	SEB	8/5/17	ML17217A006	10/3/17	ML17276B458
03.07.03-3	135	8928	Std. Design	N/A	Resolved - Closed	None		Seismic Subsystem Analysis	SEB	8/5/17	ML17217A006	10/3/17	ML17276B458
03.07.03-3	135	8928	Std. Design	N/A	Resolved - Closed	None		Seismic Subsystem Analysis	SEB	8/5/17	ML17217A006	10/3/17	ML17276B458
03.07.03-4	135	8928	Std. Design	N/A	Resolved - Closed	None		Seismic Subsystem Analysis	SEB	8/5/17	ML17217A006	10/3/17	ML17276B458
03.07.03-5	135	8928	Std. Design	N/A	Resolved - Closed	None		Seismic Subsystem Analysis	SEB	8/5/17	ML17217A006	10/3/17	ML17276B458
03.07.04-1	142	8927	Std. Design	N/A	Resolved - Closed	None		Seismic Instrumentation	RGS1	8/5/17	ML17217A013	9/29/17	ML17272A607
03.07.04-2	298	9228	Std. Design	N/A	Resolved - Closed	None		Seismic Instrumentation	RGS1	12/15/17	ML17349A328	2/12/18	ML18043B166
03.08.02-1	214	8858	Std. Design	N/A	Unresolved - Closed	None	Closed	Steel Containment	MEB	9/1/17	ML17244A861	10/27/17	ML17300B428
03.08.02-10	214	8858	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	9/1/17	ML17244A861	10/27/17	ML17300B428

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03.08.02-11	214	8858	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	9/1/17	ML17244A861	10/27/17	ML17300B428
03.08.02-12	214	8858	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	9/1/17	ML17244A861	10/27/17	ML17300B428
03.08.02-13	214	8858	Std. Design	N/A	Unresolved - Closed	None	Closed	Steel Containment	MEB	9/1/17	ML17244A861	10/27/17	ML17300B428
03.08.02-13	214	8858	Std. Design	N/A	Unresolved - Closed	None	Closed	Steel Containment	MEB	9/1/17	ML17244A861	4/3/18	ML18093B573
03.08.02-14	362	9315	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	2/5/18	ML18036A057	4/6/18	ML18096B560
03.08.02-14	362	9315	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	2/5/18	ML18036A057	9/17/18	ML18260A232
03.08.02-14	362	9315	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	2/5/18	ML18036A057	4/6/18	ML18096B560
03.08.02-14	362	9315	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	2/5/18	ML18036A057	6/6/18	ML18157A281
03.08.02-15	403	9362	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	3/29/18	ML8088B380	5/29/18	ML18149A651
03.08.02-15	403	9362	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	3/29/18	ML8088B380	2/6/19	ML19037A304
03.08.02-15	403	9362	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	3/29/18	ML8088B380	12/10/18	ML18344A512
03.08.02-15	403	9362	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	3/29/18	ML8088B380	9/17/18	ML18260A204
03.08.02-16	403	9362	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	3/29/18	ML8088B380	5/29/18	ML18149A651
03.08.02-17	403	9362	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	3/29/18	ML8088B380	5/29/18	ML18149A651
03.08.02-18	420	9459	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	4/12/18	ML18103A130	5/31/18	ML18151B055
03.08.02-18	420	9459	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	4/12/18	ML18103A130	9/17/18	ML18260A373

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Application	Title:	NuScale S	tandard Des	ign Certificati	on - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.08.02-2	214	8858	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	9/1/17	ML17244A861	10/27/17	ML17300B428
03.08.02-3	214	8858	Std. Design	N/A	Unresolved - Closed	None	Closed	Steel Containment	MEB	9/1/17	ML17244A861	10/27/17	ML17300B428
03.08.02-4	214	8858	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	9/1/17	ML17244A861	10/27/17	ML17300B428
03.08.02-5	214	8858	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	9/1/17	ML17244A861	10/27/17	ML17300B428
03.08.02-6	214	8858	Std. Design	N/A	Unresolved - Closed	None	Closed	Steel Containment	MEB	9/1/17	ML17244A861	12/14/17	ML17348B521
03.08.02-7	214	8858	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	9/1/17	ML17244A861	10/27/17	ML17300B428
03.08.02-8	214	8858	Std. Design	N/A	Unresolved - Closed	None	Closed	Steel Containment	MEB	9/1/17	ML17244A861	10/27/17	ML17300B428
03.08.02-9	214	8858	Std. Design	N/A	Resolved - Closed	None		Steel Containment	MEB	9/1/17	ML17244A861	10/27/17	ML17300B428
03.08.04-1	38	8838	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	5/26/17	ML17146B358	2/25/19	ML19056A541
03.08.04-1	38	8838	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	5/26/17	ML17146B358	7/5/18	ML18186A559
03.08.04-10	131	8970	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A002	1/31/18	ML18031A915
03.08.04-10	131	8970	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A002	1/11/19	ML19011A404
03.08.04-11	132	8971	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A003	12/20/18	ML18354B333
03.08.04-12	132	8971	Std. Design	N/A	Unresolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A003	10/2/17	ML17276B170
03.08.04-13	132	8971	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A003	12/11/18	ML18345A397
03.08.04-13	132	8971	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A003	2/22/19	ML19053A795

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.08.04-14	132	8971	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A003	4/30/18	ML18120A309
03.08.04-15	137	8973	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A008	9/13/18	ML18256A279
03.08.04-15	137	8973	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A008	2/23/18	ML18054B648
03.08.04-16	137	8973	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A008	2/23/18	ML18054B648
03.08.04-17	137	8973	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A008	2/23/18	ML18054B648
03.08.04-18	137	8973	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A008	10/3/17	ML17276B888
03.08.04-19	137	8973	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A008	10/3/17	ML17276B888
03.08.04-19	137	8973	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A008	3/21/18	ML18080A154
03.08.04-19	137	8973	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A008	1/4/18	ML18004B981
03.08.04-2	111	8976	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	7/30/17	ML17211A002	9/20/17	ML17264B180
03.08.04-20	151	8974	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A022	12/5/18	ML18339A031
03.08.04-21	151	8974	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A022	8/2/18	ML18214A832
03.08.04-21	151	8974	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A022	12/29/17	ML17363A436
03.08.04-21	151	8974	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A022	3/22/18	ML18081A592
03.08.04-21	151	8974	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A022	10/3/17	ML17276B887
03.08.04-22	151	8974	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A022	10/3/17	ML17276B887

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.08.04-23	151	8974	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A022	10/3/17	ML17276B887
03.08.04-23	151	8974	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A022	4/9/18	ML18099A359
03.08.04-23	151	8974	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A022	9/17/18	ML18260A105
03.08.04-23	151	8974	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A022	1/11/19	ML19011A374
03.08.04-23	151	8974	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A022	5/22/19	ML19085A209
03.08.04-24	153	8965	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/7/17	ML17219A086	10/3/17	ML17276B463
03.08.04-25	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	10/24/17	ML17297B940
03.08.04-26	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	10/24/17	ML17297B940
03.08.04-26	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	4/15/19	ML19105B290
03.08.04-27	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	10/24/17	ML17297B940
03.08.04-28	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	10/24/17	ML17297B940
03.08.04-29	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	10/24/17	ML17297B940
03.08.04-29	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-29	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-29	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-29	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.08.04-29	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-3	128	8966	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A847	1/31/18	ML18031B317
03.08.04-3	128	8966	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A847	9/5/18	ML18248A332
03.08.04-3	128	8966	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A847	6/13/18	ML18164A409
03.08.04-30	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	10/24/17	ML17297B940
03.08.04-31	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	10/24/17	ML17297B940
03.08.04-31	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-31	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-31	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-31	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-32	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-32	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-32	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-32	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-32	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	10/24/17	ML17297B940
03.08.04-33	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	10/24/17	ML17297B940

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18

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.08.04-33	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-33	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-33	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-33	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-34	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-34	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-34	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-34	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	3/20/18	ML18079B167
03.08.04-34	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	10/24/17	ML17297B940
03.08.04-35	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	10/24/17	ML17297B940
03.08.04-36	201	8975	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/25/17	ML17237C060	10/24/17	ML17297B940
03.08.04-37	365	9309	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	2/8/18		12/4/18	ML18338A286
03.08.04-4	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	3/2/18	ML18061A162
03.08.04-4	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	3/2/18	ML18061A162
03.08.04-4	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	3/2/18	ML18061A162
03.08.04-4	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	3/2/18	ML18061A162

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.08.04-5	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	3/2/18	ML18061A162
03.08.04-5	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	3/2/18	ML18061A162
03.08.04-5	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	3/2/18	ML18061A162
03.08.04-6	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	3/2/18	ML18061A162
03.08.04-6	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	3/2/18	ML18061A162
03.08.04-6	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	4/9/18	ML18061A162
03.08.04-6	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	3/2/18	ML18061A162
03.08.04-7	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	4/9/18	ML18061A162
03.08.04-7	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	3/2/18	ML18061A162
03.08.04-7	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	3/2/18	ML18061A162
03.08.04-7	129	8967	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/4/17	ML17216A848	3/2/18	ML18061A162
03.08.04-8	130	8968	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A000	3/21/18	ML18080A154
03.08.04-8	130	8968	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A000	3/21/18	ML18080A154
03.08.04-8	130	8968	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A000	3/21/18	ML18080A154
03.08.04-8	130	8968	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A000	3/21/18	ML18080A154
03.08.04-8	130	8968	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A000	12/21/17	ML17355A672

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Application	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.08.04-9	130	8968	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A000	12/21/17	ML17355A672
03.08.04-9	130	8968	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A000	3/21/18	ML18080A154
03.08.04-9	130	8968	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A000	3/21/18	ML18080A154
03.08.04-9	130	8968	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A000	3/21/18	ML18080A154
03.08.04-9	130	8968	Std. Design	N/A	Resolved - Closed	None		Other Seismic Category I Structures	SEB	8/5/17	ML17217A000	3/21/18	ML18080A154
03.08.05-1	167	8964	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/12/17	ML17224A004	10/4/17	ML17284A859
03.08.05-10	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-10	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	2/21/18	ML18052B566
03.08.05-10	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/18/17	ML17290B267
03.08.05-11	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/18/17	ML17290B267
03.08.05-11	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	1/11/18	ML17290B267
03.08.05-11	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	2/21/18	ML18052B566
03.08.05-11	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-12	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-12	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	3/15/18	ML18074A257
03.08.05-12	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	3/15/18	ML18074A257

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.08.05-12	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	6/29/18	ML18180A404
03.08.05-13	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	8/16/18	ML18228A859
03.08.05-13	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	4/4/18	ML18094B105
03.08.05-13	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-14	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-14	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	4/4/18	ML18094B105
03.08.05-15	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	2/21/18	ML18052B566
03.08.05-15	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-16	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-17	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-18	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-18	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	2/21/18	ML18052B566
03.08.05-19	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-2	167	8964	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/12/17	ML17224A004	8/28/18	ML18240A156
03.08.05-20	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-21	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.08.05-22	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-22	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	4/4/18	ML18094B105
03.08.05-22	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	8/23/18	ML18235A280
03.08.05-23	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-24	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-3	169	8992	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/12/17	ML17224A007	10/11/17	ML17284A810
03.08.05-4	169	8992	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/12/17	ML17224A007	10/11/17	ML17284A810
03.08.05-5	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-6	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	3/28/19	ML19087A330
03.08.05-6	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	12/20/18	ML18354B330
03.08.05-7	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.08.05-7	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	3/15/18	ML18074A257
03.08.05-7	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	3/15/18	ML18074A257
03.08.05-8	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	2/21/18	ML18052B566
03.08.05-8	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/18/17	ML17290B267
03.08.05-8	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.08.05-9	185	8963	Std. Design	N/A	Resolved - Closed	None		Foundations	SEB	8/18/17	ML17230A108	10/17/17	ML17290B267
03.09.01-1	182	9039	Std. Design	N/A	Resolved - Closed	None		Special Topics for Mechanical Components	MEB	8/18/17	ML17230A105	12/27/17	ML17361A301
03.09.01-1	182	9039	Std. Design	N/A	Resolved - Closed	None		Special Topics for Mechanical Components	MEB	8/18/17	ML17230A105	9/20/17	ML17263B231
03.09.01-2	182	9039	Std. Design	N/A	Resolved - Closed	None		Special Topics for Mechanical Components	MEB	8/18/17	ML17230A105	9/20/17	ML17263B231
03.09.01-2	182	9039	Std. Design	N/A	Resolved - Closed	None		Special Topics for Mechanical Components	MEB	8/18/17	ML17230A105	12/27/17	ML17361A301
03.09.01-3	182	9039	Std. Design	N/A	Resolved - Closed	None		Special Topics for Mechanical Components	MEB	8/18/17	ML17230A105	3/19/18	ML18078B295
03.09.01-3	182	9039	Std. Design	N/A	Resolved - Closed	None		Special Topics for Mechanical Components	MEB	8/18/17	ML17230A105	9/20/17	ML17263B231
03.09.01-4	182	9039	Std. Design	N/A	Resolved - Closed	None		Special Topics for Mechanical Components	MEB	8/18/17	ML17230A105	9/20/17	ML17263B231
03.09.01-5	182	9039	Std. Design	N/A	Resolved - Closed	None		Special Topics for Mechanical Components	MEB	8/18/17	ML17230A105	9/20/17	ML17263B231
03.09.02-1	194	8884	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	10/18/17	ML17291B309
03.09.02-10	194	8884	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	7/25/19	ML19207B852
03.09.02-11	194	8884	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	1/3/19	ML19003A576
03.09.02-13	194	8884	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	10/18/17	ML17291B309
03.09.02-15	194	8884	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	10/18/17	ML17291B309

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.02-16	194	8884	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	10/18/17	ML17291B309
03.09.02-17	194	8884	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	10/18/17	ML17291B309
03.09.02-18	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	8/2/19	ML19215A002
03.09.02-18	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	12/21/18	ML18355B028
03.09.02-18	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	4/9/19	ML19099A472
03.09.02-18	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	5/23/19	ML19121A599
03.09.02-18	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	6/3/19	ML19154A621
03.09.02-19	202	8911	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-2	194	8884	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	10/18/17	ML17291B309
03.09.02-20	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-21	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.02-22	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-23	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-24	202	8911	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	11/20/17	ML17324B394
03.09.02-25	202	8911	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-26	202	8911	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-27	202	8911	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-28	202	8911	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-29	202	8911	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-3	194	8884	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	10/18/17	ML17291B309
03.09.02-30	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-31	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949

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Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.02-32	202	8911	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-33	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-34	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-35	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-36	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-37	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-38	202	8911	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-39	202	8911	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-4	194	8884	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	10/18/17	ML17291B309
03.09.02-40	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-41	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949

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27

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								_
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.02-42	202	8911	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-43	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	1/31/19	ML19031C983
03.09.02-44	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-45	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	1/31/19	ML19031C983
03.09.02-45	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	3/13/19	ML19072A151
03.09.02-46	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	8/2/18	ML18214A758
03.09.02-46	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	8/2/18	ML18214A758
03.09.02-47	202	8911	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-48	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-49	202	8911	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/25/17	ML17237C062	10/24/17	ML17297B949
03.09.02-5	194	8884	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	10/18/17	ML17291B309

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28

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Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.02-50	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-50	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-50	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-50	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-51	386	9316	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-51	386	9316	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-51	386	9316	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-52	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	7/26/19	ML19207A274
03.09.02-53	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/14/18	ML18130A810
03.09.02-53	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-53	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812

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29

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Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.02-53	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-54	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	6/11/19	ML19101A440
03.09.02-55	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	12/18/18	ML18353A831
03.09.02-56	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	7/17/19	ML19184A614
03.09.02-56	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-56	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-56	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-57	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-57	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-57	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-58	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812

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Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.02-58	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-58	386	9316	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	3/13/18	ML18072A149	5/10/18	ML18130A812
03.09.02-59	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	6/8/18	ML18159A355
03.09.02-6	194	8884	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	10/18/17	ML17291B309
03.09.02-60	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	6/8/18	ML18159A355
03.09.02-61	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	6/8/18	ML18159A355
03.09.02-62	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	7/26/18	ML18207A525
03.09.02-62	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	11/1/18	ML18305B313
03.09.02-63	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	6/8/18	ML18159A355
03.09.02-64	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	7/19/18	ML18201A267
03.09.02-64	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	10/15/18	ML18288A269

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Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.02-65	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	6/20/18	ML18171A408
03.09.02-66	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	6/8/18	ML18159A355
03.09.02-67	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	6/8/18	ML18159A355
03.09.02-68	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	6/8/18	ML18159A355
03.09.02-69	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	8/10/18	ML18222A560
03.09.02-7	194	8884	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	10/18/17	ML17291B309
03.09.02-70	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	10/5/18	ML18278A246
03.09.02-71	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	9/20/18	ML18264A273
03.09.02-72	410	9310	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/9/18	ML18099A356	6/8/18	ML18159A355
03.09.02-73	427	9408	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/17/18	ML18107A802	7/26/19	ML19207B379
03.09.02-74	427	9408	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/17/18	ML18107A802	8/5/19	ML19212A798

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32

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Application	Title:	NuScale S	tandard Des	ign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.02-75	427	9408	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/17/18	ML18107A802	7/25/18	ML18206A813
03.09.02-76	427	9408	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/17/18	ML18107A802	2/8/19	ML19039A193
03.09.02-77	427	9408	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	4/17/18	ML18107A802	8/9/19	ML19207A257
03.09.02-78	502	9546	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/31/18	ML18243A502	10/29/18	ML18302A295
03.09.02-79	502	9546	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/31/18	ML18243A502	10/29/18	ML18302A295
03.09.02-8	194	8884	Std. Design	N/A	Unresolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	10/18/17	ML17291B309
03.09.02-9	194	8884	Std. Design	N/A	Resolved - Closed	None		Dynamic Testing and Analysis of Systems Structures and Components	MEB	8/21/17	ML17231A006	7/25/19	ML19207B852
03.09.03-1	200	9021	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Components	MEB	8/25/17	ML17237C059	10/23/17	ML17296B366
03.09.03-2	200	9021	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Components	MEB	8/25/17	ML17237C059	10/16/18	ML18289B091
03.09.03-2	200	9021	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Components	MEB	8/25/17	ML17237C059	8/2/18	ML18214A834
03.09.03-3	200	9021	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Components	MEB	8/25/17	ML17237C059	10/23/17	ML17296B366
03.09.03-4	200	9021	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Components	MEB	8/25/17	ML17237C059	10/23/17	ML17296B366
03.09.03-4	200	9021	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Components	MEB	8/25/17	ML17237C059	1/23/19	ML19023A557
03.09.03-5	200	9021	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Components	MEB	8/25/17	ML17237C059	10/23/17	ML17296B366

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.03-5	200	9021	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Components	MEB	8/25/17	ML17237C059	3/8/18	ML18067A520
03.09.03-6	200	9021	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Components	MEB	8/25/17	ML17237C059	10/23/17	ML17296B366
03.09.04-1	58	8835	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/8/17	ML17160A411	8/7/17	ML17219A750
03.09.04-1	58	8835	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/8/17	ML17160A411	11/30/17	ML17334B725
03.09.04-10	254	9181	Std. Design	N/A	Unresolved - Closed	None		Control Rod Drive Systems	MEB	10/13/17	ML17286A819	12/11/17	ML17345A943
03.09.04-11	257	9156	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	10/13/17	ML17286B65	11/21/17	ML17325B718
03.09.04-12	374	9389	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	2/28/18	ML1859A709	4/13/18	ML18103A190
03.09.04-13	524	9691	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/20/19	ML19171A009	7/19/19	ML19200A208
03.09.04-2	58	8835	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/8/17	ML17160A411	11/30/17	ML17334B725
03.09.04-2	58	8835	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/8/17	ML17160A411	8/7/17	ML17219A750
03.09.04-3	58	8835	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/8/17	ML17160A411	8/7/17	ML17219A750
03.09.04-4	58	8835	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/8/17	ML17160A411	8/7/17	ML17219A750
03.09.04-4	58	8835	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/8/17	ML17160A411	11/30/17	ML17334B725
03.09.04-4	58	8835	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/8/17	ML17160A411	1/19/18	ML18022A514
03.09.04-5	58	8835	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/8/17	ML17160A411	8/7/17	ML17219A750
03.09.04-6	58	8835	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/8/17	ML17160A411	8/7/17	ML17219A750

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Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.04-7	58	8835	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/8/17	ML17160A411	8/7/17	ML17219A750
03.09.04-8	58	8835	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/8/17	ML17160A411	8/7/17	ML17219A750
03.09.04-9	58	8835	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Systems	MEB	6/8/17	ML17160A411		
03.09.05-1	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.05-10	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.05-11	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	1/23/18	ML18023B471
03.09.05-12	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.05-12	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	1/8/19	ML19008A413
03.09.05-13	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.05-14	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.05-15	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.05-16	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.05-2	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.05-3	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.05-4	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.05-5	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092

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35

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Application	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.05-5	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	1/8/19	ML19008A413
03.09.05-6	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.05-7	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.05-7	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	8/16/18	ML18228A842
03.09.05-8	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	9/17/18	ML18260A227
03.09.05-8	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.05-9	162	8901	Std. Design	N/A	Resolved - Closed	None		Reactor Pressure Vessel Internals	MEB	8/11/17	ML17223A065	10/10/17	ML17284A092
03.09.06-1	47	8820	Std. Design	SUNSI (for tracking only)	Confirmatory Action	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	6/2/17	ML17153A377	8/1/17	ML17213A540
03.09.06-10	143	8957	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A014	10/4/17	ML17277B826
03.09.06-11	143	8957	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A014	10/4/17	ML17277B826
03.09.06-12	148	8954	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A019	11/2/17	ML17306A754

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Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application 7	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.06-13	149	8955	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	MI17217A020	10/5/17	ML17278A999
03.09.06-14	149	8955	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	MI17217A020	10/5/17	ML17278A999
03.09.06-15	149	8955	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	MI17217A020	10/5/17	ML17278A999
03.09.06-16	149	8955	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	MI17217A020	11/2/17	ML17306A892
03.09.06-16	149	8955	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	MI17217A020	2/19/18	ML18050A053
03.09.06-17	150	8956	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A021	10/5/17	ML17278B221
03.09.06-18	150	8956	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A021	10/5/17	ML17278B221

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37

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Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.06-19	150	8956	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A021	10/5/17	ML17278B221
03.09.06-2	47	8820	Std. Design	SUNSI (for tracking only)	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	6/2/17	ML17153A377	8/1/17	ML17213A540
03.09.06-20	150	8956	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A021	10/5/17	ML17278B221
03.09.06-21	150	8956	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A021	10/5/17	ML17278B221
03.09.06-22	150	8956	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A021	10/5/17	ML17278B221
03.09.06-23	150	8956	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A021	10/5/17	ML17278B221
03.09.06-24	150	8956	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A021	10/5/17	ML17278B221

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38

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Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.06-25	165	8953	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/12/17	ML17224A001	10/9/17	ML17282A008
03.09.06-26	166	8958	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/12/17	ML17224A002	10/11/17	ML17284A913
03.09.06-27	203	8959	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	9/1/17	ML17244A097	10/11/17	ML17284A778
03.09.06-28	495	9565	Std. Design	N/A	Resolved - Closed	SER Open Item		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	7/18/18	ML18199A191	9/17/18	ML18260A299
03.09.06-3	47	8820	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	6/2/17	ML17153A377	8/1/17	ML17213A540
03.09.06-4	47	8820	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	6/2/17	ML17153A377	8/1/17	ML17213A540
03.09.06-5	123	8952	Std. Design	N/A	Confirmatory Action	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/4/17	ML17216A318	11/2/17	ML17306A803

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39

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.09.06-6	143	8957	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A014	10/4/17	ML17277B826
03.09.06-7	143	8957	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A014	10/4/17	ML17277B826
03.09.06-8	143	8957	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A014	10/4/17	ML17277B826
03.09.06-9	143	8957	Std. Design	N/A	Resolved - Closed	None		Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	MEB	8/5/17	ML17217A014	10/4/17	ML17277B826
03.10-1	213	8890	Std. Design	N/A	Resolved - Closed	None		Seismic and Dynamic Qualification of Mechanical and Electrical Equipment	MEB	9/1/17	ML17244A855	10/31/17	ML17304A918
03.11-1	54	8837	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	5/18/18	ML18138A383
03.11-10	54	8837	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	8/3/17	ML17215A546
03.11-11	54	8837	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	8/3/17	ML17215A546
03.11-12	67	8883	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	MEB	6/20/17	ML17171A224	8/17/17	ML17229B488

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.11-13	67	8883	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	MEB	6/20/17	ML17171A224	8/17/17	ML17229B488
03.11-14	67	8883	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	MEB	6/20/17	ML17171A224	8/17/17	ML17229B488
03.11-14	67	8883	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	MEB	6/20/17	ML17171A224	2/16/18	ML18047A749
03.11-15	98	8894	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	EEB	7/21/17	ML17202U683	9/19/17	ML17262B222
03.11-15	98	8894	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	EEB	7/21/17	ML17202U683	3/14/19	ML19073A332
03.11-15	98	8894	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	EEB	7/21/17	ML17202U683	3/14/19	ML19073A332
03.11-16	114	9015	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	EEB	7/30/17	ML17211A005	9/11/17	ML17254B078
03.11-17	333	9282	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	1/9/18	ML18009B040	3/8/18	ML18067A570
03.11-17	333	9282	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	1/9/18	ML18009B040	12/27/18	ML18361A905
03.11-17	333	9282	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	1/9/18	ML18009B040	7/22/19	ML19203A320
03.11-18	376	9347	Std. Design	N/A	Resolved - Closed	SER Open Item		Environmental Qualification of Mechanical and Electrical Equipment	EEB	3/2/18	ML18061A072	4/30/18	ML18120A353

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 $\ensuremath{^{**}\text{--}}\text{Status}$ is not a final determination by NRC.

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41

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Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.11-19	401	9447	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	SCVB	3/27/18	ML18086B787	7/29/19	ML19210D159
03.11-19	401	9447	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	SCVB	3/27/18	ML18086B787	11/16/18	ML18320A253
03.11-19	401	9447	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	SCVB	3/27/18	ML18086B787	5/20/19	ML19140A459
03.11-2	54	8837	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	8/3/17	ML17215A546
03.11-2	54	8837	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	10/20/17	ML17293A170
03.11-3	54	8837	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	5/18/18	ML18138A383
03.11-4	54	8837	Std. Design	N/A	Unresolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	5/18/18	ML18138A383
03.11-4	54	8837	Std. Design	N/A	Unresolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	4/19/19	ML19112A270
03.11-5	54	8837	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	8/3/17	ML17215A546
03.11-6	54	8837	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	8/3/17	ML17215A546
03.11-6	54	8837	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	7/22/19	ML19203A309

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42

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Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.11-7	54	8837	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	8/3/17	ML17215A546
03.11-8	54	8837	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	8/3/17	ML17215A546
03.11-9	54	8837	Std. Design	N/A	Resolved - Closed	None		Environmental Qualification of Mechanical and Electrical Equipment	RPAC	6/8/17	ML17160A410	8/3/17	ML17215A546
03.12-1	154	8938	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	8/7/17	ML17219A087	8/21/19	ML19203A341
03.12-1	154	8938	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	8/7/17	ML17219A087	12/5/18	ML18339A032
03.12-1	154	8938	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	8/7/17	ML17219A087	1/24/19	ML19024A421
03.12-10	274	9137	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	11/3/17	ML17307A103	12/28/17	ML17362A558
03.12-10	274	9137	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	11/3/17	ML17307A103	3/12/18	ML18071A195
03.12-2	154	8938	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	8/7/17	ML17219A087	10/5/17	ML17278A747

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43

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Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
03.12-2	154	8938	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	8/7/17	ML17219A087	12/21/17	ML17355A172
03.12-3	154	8938	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	8/7/17	ML17219A087	12/21/17	ML17355A172
03.12-3	154	8938	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	8/7/17	ML17219A087	10/5/17	ML17278A747
03.12-4	154	8938	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	8/7/17	ML17219A087	10/5/17	ML17278A747
03.12-5	175	9069	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	8/12/17	ML17224A024	1/25/19	ML19025A290
03.12-5	175	9069	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	8/12/17	ML17224A024	12/3/18	ML18337A333
03.12-5	175	9069	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	8/12/17	ML17224A024	5/18/18	ML18135A240
03.12-5	175	9069	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	8/12/17	ML17224A024	5/18/18	ML18135A240
03.12-6	176	9070	Std. Design	N/A	Resolved - Closed	None		ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and TheirAssociated Supports	MEB	8/12/17	ML17224A026	10/11/17	ML17284A838

12/12/2019

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44

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Number Letter No	2/7/18 10/9/17 10/5/17 12/5/17	Response Accession Number ML18038B623 ML17282A007 ML17278A746 ML17339A997 ML17339A997
179 9073 Std. Design N/A Resolved - Closed None 3 Piping Systems and Piping Components and Their/Associated Supports	10/9/17 10/5/17 12/5/17	ML17282A007 ML17278A746 ML17339A997
03.12-8 177 9071 Std. Design N/A Resolved - Closed None 3 Piping Systems and Piping Components and Their/Associated Supports MEB 8/12/17 ML17224A028 03.12-9 178 9072 Std. Design N/A Resolved - Closed None ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and Their/Associated Supports MEB 8/12/17 ML17224A029 03.13-1 252 9183 Std. Design N/A Resolved - Closed None Threaded Fasteners - ASME Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590 03.13-2 252 9183 Std. Design N/A Resolved - Closed None Threaded Fasteners - ASME Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590 03.13-3 252 9183 Std. Design N/A Resolved - Closed None Threaded Fasteners - ASME Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590 03.13-4 252 9183 Std. Design N/A Resolved - Closed None Threaded Fasteners - ASME Code Class 1, 2, and 3 MCB 10/17/17	10/5/17	ML17278A746 ML17339A997
03.12-9 178 9072 Std. Design N/A Resolved - Closed None 3 Piping Systems and Piping Components and Their/Associated Supports MEB 8/12/17 ML17224A029 03.13-1 252 9183 Std. Design N/A Resolved - Closed None Threaded Fasteners - ASME Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590 03.13-2 252 9183 Std. Design N/A Resolved - Closed None Threaded Fasteners - ASME Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590 03.13-3 252 9183 Std. Design N/A Resolved - Closed None Threaded Fasteners - ASME Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590 03.13-4 252 9183 Std. Design N/A Resolved - Closed None Threaded Fasteners - ASME Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590	12/5/17	ML17339A997
03.13-1 252 9183 Design Design N/A N/A Resolved - Closed None None Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590 03.13-2 252 9183 Std. Design N/A Resolved - Closed None None Threaded Fasteners - ASME Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590 03.13-3 252 9183 Std. Design N/A Resolved - Closed None None Threaded Fasteners - ASME Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590 03.13-4 252 9183 Std. Design N/A Resolved - Closed None Threaded Fasteners - ASME Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590		
03.13-2 252 9183 Design N/A Resolved - Closed None Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590 03.13-3 252 9183 Std. Design N/A Resolved - Closed None Threaded Fasteners - ASME Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590 03.13-4 252 9183 Std. Design N/A Resolved - Closed None Threaded Fasteners - ASME Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590	12/5/17	ML17339A997
03.13-3		
03.13-4 252 9183 Design N/A Resolved - Closed None Code Class 1, 2, and 3 MCB 10/17/17 ML17286A590	12/5/17	ML17339A997
	12/5/17	ML17339A997
04.02-1 18 8778 Std. N/A Resolved - Closed None Fuel System Design SRSB 5/5/17 1	11/20/17	ML17320A984
04.02-1 18 8778 Std. Design N/A Resolved - Closed None Fuel System Design SRSB 5/5/17	6/11/18	ML18158A590
04.02-2 50 8851 Std. Design N/A Resolved - Closed None Fuel System Design SRSB 6/2/17	8/9/17	ML17213A245
04.02-3 50 8851 Std. Design N/A Resolved - Closed None Fuel System Design SRSB 6/2/17	8/9/17	ML17213A245
04.02-4 50 8851 Std. Design N/A Resolved - Closed None Fuel System Design SRSB 6/2/17	8/9/17	ML17213A245
04.02-5 50 8851 Std. Design N/A Resolved - Closed None Fuel System Design SRSB 6/2/17	8/9/17	ML17213A245
04.02-7 19 8769 Std. Design N/A Unresolved - Closed None Closed Fuel System Design SRSB 5/8/17	7/5/17	ML17180A482

12/12/2019

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45

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Application '	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
04.02-8	284	9225	Std. Design	N/A	Resolved - Closed	None		Fuel System Design	SRSB	11/22/17		7/22/19	ML19200A194
04.02-9	373	9406	Std. Design	N/A	Resolved - Closed	None		Fuel System Design	SRSB	2/28/18		4/27/18	ML18115A484
04.03-1	23	8772	Std. Design	N/A	Unresolved - Closed	None	Closed	Nuclear Design	SRSB	5/16/17		7/25/17	ML17194B384
04.03-2	402	9449	Std. Design	N/A	Resolved - Closed	None		Nuclear Design	SRSB	3/29/18		4/12/18	ML18099A161
04.04-1	12	8773	Std. Design	N/A	Resolved - Closed	None		Thermal and Hydraulic Design	SRSB	4/25/17		5/26/17	ML17146B355
04.04-2	12	8773	Std. Design	N/A	Resolved - Closed	None		Thermal and Hydraulic Design	SRSB	4/25/17		6/23/17	ML17173A763
04.04-2	12	8773	Std. Design	N/A	Resolved - Closed	None		Thermal and Hydraulic Design	SRSB	4/25/17		8/7/17	ML17214A896
04.04-3	421	9462	Std. Design	N/A	Resolved - Closed	None		Thermal and Hydraulic Design	SRSB	4/12/18		6/12/18	ML18159A325
04.04-4	421	9462	Std. Design	N/A	Resolved - Closed	SER Open Item		Thermal and Hydraulic Design	SRSB	4/12/18		6/12/18	ML18159A325
04.04-5	513	9643	Std. Design	N/A	Resolved - Closed	None		Thermal and Hydraulic Design	SRSB	12/11/18		2/19/19	ML19049A032
04.04-5	513	9643	Std. Design	N/A	Resolved - Closed	None		Thermal and Hydraulic Design	SRSB	12/11/18		4/26/19	ML19115A375
04.04-6	514	9645	Std. Design	N/A	Resolved - Closed	None		Thermal and Hydraulic Design	SRSB	12/11/18		6/5/19	ML19154A603
04.05.01-1	206	9057	Std. Design	N/A	Resolved - Closed	None		Control Rod Drive Structural Materials	MCB	9/1/17		9/12/17	ML17249A662
04.05.02-1	75	8904	Std. Design	N/A	Resolved - Closed	None		Reactor Internal and Core Support Structure Materials	МСВ	6/28/17		8/7/17	ML17214A895
04.05.02-2	75	8904	Std. Design	N/A	Resolved - Closed	None		Reactor Internal and Core Support Structure Materials	МСВ	6/28/17		8/30/17	ML17240A423
04.05.02-3	75	8904	Std. Design	N/A	Resolved - Closed	None		Reactor Internal and Core Support Structure Materials	МСВ	6/28/17		8/7/17	ML17214A895

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
04.06-1	368	9242	Std. Design	N/A	Resolved - Closed	None		Functional Design of Control Rod Drive System	SRSB	2/14/18		4/16/18	ML18101B407
04.06-2	368	9242	Std. Design	N/A	Resolved - Closed	None		Functional Design of Control Rod Drive System	SRSB	2/14/18		4/16/18	ML18101B407
05.02.01.01- 1	87	8914	Std. Design	N/A	Resolved - Closed	None		Compliance With the Codes and Standards Rule, 10 CFR 50.55a	MEB	7/7/17		9/6/17	ML17244A121
05.02.01.01- 2	87	8914	Std. Design	N/A	Unresolved - Closed	None		Compliance With the Codes and Standards Rule, 10 CFR 50.55a	MEB	7/7/17		9/6/17	ML17244A121
05.02.01.01- 3	87	8914	Std. Design	N/A	Resolved - Closed	None		Compliance With the Codes and Standards Rule, 10 CFR 50.55a	MEB	7/7/17		9/6/17	ML17244A121
05.02.01.01- 4	87	8914	Std. Design	N/A	Resolved - Closed	None		Compliance With the Codes and Standards Rule, 10 CFR 50.55a	MEB	7/7/17		9/6/17	ML17244A121
05.02.01.01- 5	87	8914	Std. Design	N/A	Unresolved - Closed	None		Compliance With the Codes and Standards Rule, 10 CFR 50.55a	MEB	7/7/17		9/6/17	ML17244A121
05.02.01.01- 6	87	8914	Std. Design	N/A	Unresolved - Closed	None		Compliance With the Codes and Standards Rule, 10 CFR 50.55a	MEB	7/7/17		9/6/17	ML17244A121
05.02.01.01- 7	358	9335	Std. Design	N/A	Resolved - Closed	None		Compliance With the Codes and Standards Rule, 10 CFR 50.55a	MEB	2/2/18		4/4/18	ML18092B091
05.02.01.01- 7	358	9335	Std. Design	N/A	Resolved - Closed	None		Compliance With the Codes and Standards Rule, 10 CFR 50.55a	MEB	2/2/18		5/21/18	ML18137A459
05.02.01.02- 1	88	8917	Std. Design	N/A	Resolved - Closed	None		Applicable Code Cases	MEB	7/7/17		9/6/17	ML17244A107
05.02.01.02- 1	88	8917	Std. Design	N/A	Resolved - Closed	None		Applicable Code Cases	MEB	7/7/17		10/12/17	ML17285B452
05.02.01.02- 1	88	8917	Std. Design	N/A	Resolved - Closed	None		Applicable Code Cases	MEB	7/7/17		10/23/17	ML17285B452

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47

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
05.02.02-1	286	9223	Std. Design	N/A	Resolved - Closed	None		Overpressure Protection	SRSB	11/22/17		1/22/18	ML18018B381
05.02.02-2	491	9557	Std. Design	N/A	Resolved - Closed	None		Overpressure Protection	SRSB	6/15/18		7/24/18	ML18201A400
05.02.03-1	267	9193	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	МСВ	10/19/17		12/20/17	ML17352B263
05.02.03-10	267	9193	Std. Design	N/A	Unresolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	МСВ	10/19/17		12/20/17	ML17352B263
05.02.03-11	267	9193	Std. Design	N/A	Unresolved - Closed	None		Reactor Coolant Pressure Boundary Materials	МСВ	10/19/17		12/20/17	ML17352B263
05.02.03-12	267	9193	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	МСВ	10/19/17		12/20/17	ML17352B263
05.02.03-13	267	9193	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	МСВ	10/19/17		12/20/17	ML17352B263
05.02.03-14	267	9193	Std. Design	N/A	Unresolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	МСВ	10/19/17		12/20/17	ML17352B263
05.02.03-15	267	9193	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	МСВ	10/19/17		12/20/17	ML17352B263
05.02.03-16	267	9193	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	МСВ	10/19/17		12/20/17	ML17352B263
05.02.03-17	291	9233	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant Pressure Boundary Materials	MCB	12/5/17		1/31/18	ML18030B061
05.02.03-18	492	9551	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	МСВ	6/20/18		10/1/18	ML18270A405
05.02.03-18	492	9551	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	МСВ	6/20/18		8/16/18	ML18227A089

12/12/2019

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48

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Application ¹	Title:	NuScale S	tandard Des	ign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
05.02.03-18	492	9551	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	МСВ	6/20/18		8/16/18	ML18227A089
05.02.03-18	492	9551	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	MCB	6/20/18		8/16/18	ML18227A089
05.02.03-19	492	9551	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant Pressure Boundary Materials	МСВ	6/20/18		8/16/18	ML18227A089
05.02.03-19	492	9551	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant Pressure Boundary Materials	MCB	6/20/18		8/16/18	ML18227A089
05.02.03-19	492	9551	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant Pressure Boundary Materials	MCB	6/20/18		8/16/18	ML18227A089
05.02.03-19	492	9551	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant Pressure Boundary Materials	MCB	6/20/18		10/1/18	ML18270A405
05.02.03-2	267	9193	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	MCB	10/19/17		12/20/17	ML17352B263
05.02.03-3	267	9193	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	MCB	10/19/17		12/20/17	ML17352B263
05.02.03-4	267	9193	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	MCB	10/19/17		12/20/17	ML17352B263
05.02.03-5	267	9193	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	MCB	10/19/17		12/20/17	ML17352B263
05.02.03-6	267	9193	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	MCB	10/19/17		12/20/17	ML17352B263
05.02.03-7	267	9193	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	MCB	10/19/17		12/20/17	ML17352B263
05.02.03-8	267	9193	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	МСВ	10/19/17		12/20/17	ML17352B263

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49

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Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
05.02.03-9	267	9193	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Coolant Pressure Boundary Materials	MCB	10/19/17		12/20/17	ML17352B263
05.02.04-1	236	9103	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant Pressure Boundary Inservice Inspection and Testing	МСВ	9/25/17		11/27/17	ML17324B368
05.02.04-2	236	9103	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant Pressure Boundary Inservice Inspection and Testing	МСВ	9/25/17		11/27/17	ML17324B368
05.02.04-3	236	9103	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant Pressure Boundary Inservice Inspection and Testing	МСВ	9/25/17		11/27/17	ML17324B368
05.02.04-4	236	9103	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant Pressure Boundary Inservice Inspection and Testing	МСВ	9/25/17		11/27/17	ML17324B368
05.02.04-5	236	9103	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant Pressure Boundary Inservice Inspection and Testing	МСВ	9/25/17		11/27/17	ML17324B368
05.02.04-6	236	9103	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant Pressure Boundary Inservice Inspection and Testing	MCB	9/25/17		11/27/17	ML17324B368
05.02.05-1	37	8832	Std. Design	N/A	Resolved - Closed	None	05.02.05-01	Reactor Coolant Pressure Boundary Leakage Detection	SPSB	5/26/17		7/26/17	ML17205A648
05.02.05-2	39	8841	Std. Design	N/A	Resolved - Closed	None	05.02.05-02	Reactor Coolant Pressure Boundary Leakage Detection	SPSB	5/26/17		7/26/17	ML17205A650
05.02.05-3	48	8842	Std. Design	N/A	Resolved - Closed	None	05.02.05-03	Reactor Coolant Pressure Boundary Leakage Detection	SPSB	6/2/17		7/28/17	ML17207A914
05.02.05-4	49	8843	Std. Design	N/A	Unresolved - Closed	None	Closed	Reactor Coolant Pressure Boundary Leakage Detection	SPSB	6/2/17		8/2/17	ML17207A906

12/12/2019

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50

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Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
05.02.05-5	74	8915	Std. Design	N/A	Unresolved - Closed	None	05.02.05-05	Reactor Coolant Pressure Boundary Leakage Detection	SPSB	6/28/17		8/17/17	ML17226A352
05.02.05-6	302	9276	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant Pressure Boundary Leakage Detection	SPSB	12/16/17		1/24/18	ML18022A473
05.02.05-7	375	9201	Std. Design	N/A	Resolved - Closed	None	05.02.05-07	Reactor Coolant Pressure Boundary Leakage Detection	SPSB	2/28/18		3/6/19	ML19064B412
05.02.05-7	375	9201	Std. Design	N/A	Resolved - Closed	None	05.02.05-07	Reactor Coolant Pressure Boundary Leakage Detection	SPSB	2/28/18		12/26/18	ML18354B172
05.02.05-7	375	9201	Std. Design	N/A	Resolved - Closed	None	05.02.05-07	Reactor Coolant Pressure Boundary Leakage Detection	SPSB	2/28/18		4/16/18	ML18103A097
05.02.05-8	384	9391	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant Pressure Boundary Leakage Detection	SPSB	3/10/18		5/7/18	ML18121A452
05.03.01-1	107	8984	Std. Design	N/A	Resolved - Closed	None		Reactor Vessel Materials	MCB	7/25/17		9/12/17	ML17250A838
05.03.01-1	107	8984	Std. Design	N/A	Resolved - Closed	None		Reactor Vessel Materials	MCB	7/25/17		9/12/17	ML17250A838
05.03.01-2	107	8984	Std. Design	N/A	Resolved - Closed	None		Reactor Vessel Materials	MCB	7/25/17		3/13/18	ML18068A622
05.03.01-3	251	9188	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Vessel Materials	MCB	10/13/17		12/14/17	ML17346A519
05.03.01-3	251	9188	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Vessel Materials	MCB	10/13/17		12/14/17	ML17346A519
05.03.01-4	251	9188	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Vessel Materials	MCB	10/13/17		3/21/18	ML18080A176

12/12/2019

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51

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Γitle:	NuScale S	tandard Des	ign Certificati	on - 52-048								
NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
251	9188	Std. Design	N/A	Resolved - Closed	SER Open Item		Reactor Vessel Materials	МСВ	10/13/17		3/23/18	ML18080A176
404	9436	Std. Design	N/A	Resolved - Closed	None		Reactor Vessel Materials	МСВ	3/29/18		5/16/18	ML18135A127
404	9436	Std. Design	N/A	Resolved - Closed	None		Reactor Vessel Materials	МСВ	3/29/18		5/16/18	ML18135A127
404	9436	Std. Design	N/A	Resolved - Closed	None		Reactor Vessel Materials	МСВ	3/29/18		5/16/18	ML18135A127
234	9118	Std. Design	N/A	Resolved - Closed	None		Pressure-Temperature Limits, Upper-Shelf Energy, and Pressurized Thermal Shock	MCB	9/21/17		4/10/18	ML18096B881
234	9118	Std. Design	N/A	Resolved - Closed	None		Pressure-Temperature Limits, Upper-Shelf Energy, and Pressurized Thermal Shock	MCB	9/21/17		4/10/18	ML18096B881
234	9118	Std. Design	N/A	Resolved - Closed	None		Pressure-Temperature Limits, Upper-Shelf Energy, and Pressurized Thermal Shock	MCB	9/21/17		4/10/18	ML18096B881
234	9118	Std. Design	N/A	Resolved - Closed	None		Pressure-Temperature Limits, Upper-Shelf Energy, and Pressurized Thermal Shock	MCB	9/21/17			
234	9118	Std. Design	N/A	Resolved - Closed	None		Pressure-Temperature Limits, Upper-Shelf Energy, and Pressurized Thermal Shock	MCB	9/21/17		4/10/18	ML18096B881
294	9273	Std. Design	N/A	Unresolved - Closed	None		Steam Generator Materials	МСВ	12/6/17		4/5/18	ML18093B542
296	9231	Std. Design	N/A	Resolved - Closed	None		Steam Generator Materials	МСВ	12/13/17		2/14/18	ML18043B174
296	9231	Std. Design	N/A	Resolved - Closed	None		Steam Generator Materials	МСВ	12/13/17		2/14/18	ML18043B174
	NRC Letter No 251 404 404 404 234 234 234 234 234	NRC Letter No System RAI No Sy	NRC Letter No System RAI No Question Type 251 9188 Std. Design 404 9436 Std. Design 404 9436 Std. Design 404 9436 Std. Design 234 9118 Std. Design 294 9273 Std. Design 296 9231 Std. Design 296 9231 Std. Design 296 9231 Std. Design	NRC Letter No System RAI No Question Type Sensitivity 251 9188 Std. Design N/A 404 9436 Std. Design N/A 404 9436 Std. Design N/A 404 9436 Std. Design N/A 234 9118 Std. Design N/A 294 9273 Std. Design N/A 296 9231 Std. Design N/A 296 9231 Std. N/A	NRC Letter No System RAI No Question Type Sensitivity Question Status 251 9188 Std. Design N/A Resolved - Closed 404 9436 Std. Design N/A Resolved - Closed 404 9436 Std. Design N/A Resolved - Closed 404 9436 Std. Design N/A Resolved - Closed 234 9118 Std. Design N/A Resolved - Closed 294 9273 Std. Design N/A Unresolved - Closed 296 9231 Std. Design N/A Resolved - Closed 296 9231 Std. 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Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 Design N/A Resolved - Closed None Pressure-Temperature Limits, Upper-Shelf Energy, and Pressurized Thermal Shock Pressure-Temperature Limits, Upper-Shelf Energy, and Pressurized Thermal Shock Design N/A Resolved - Closed None Pressure-Temperature Limits, Upper-Shelf Energy, and Pressurized Thermal Shock Design N/A Resolved - Closed None Steam Generator Materials MCB 12/6/17 Design N/A Persolved - Closed None Steam Generator Materials MCB 12/6/17 Std. N/A Persolved Closed None Steam Generator Materials MCB 12/6/17 Std. N/A Persolved Closed None Steam Generator Materials MCB 12/6/17 Std. N/A Steam Generato</td><td>NRC Letter RAI Type Sensitivity Question Status Issue Reactor Vessel Materials MCB 10/13/17 251 9188 Std. Design N/A Resolved - Closed Open Item Reactor Vessel Materials MCB 10/13/17 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 234 9118 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 234 9118 Std. Design N/A Resolved - Closed None Pressure-Temperature Limits, Upper-Shell Energy, and Press</td><td>NRC Letter RAI Type System RAI Type Sensitivity Question Status Type SER Section RAI Issue Ranch Type SER Section RAI Issue Ranch RAI Issue Ranch RAI Issue Ranch RAI Issue Ranch RAI Issue Record Ranch Number SER Reactor Vessel Materials MCB 10/13/17 3/23/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 5/16/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 5/16/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 5/16/18 5/16/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 5/16/18 5/16/18 5/16/18 5/16/18 7/16/18</td></t<>	NRC Letter No System RAI No Question Type Sensitivity Question Status Issue Type Issue Number 251 9188 Std. Design N/A Resolved - Closed SER Open Item 404 9436 Std. Design N/A Resolved - Closed None 404 9436 Std. Design N/A Resolved - Closed None 404 9436 Std. Design N/A Resolved - Closed None 234 9118 Std. Design N/A Resolved - Closed None 234 9118 Std. Design N/A Resolved - Closed None 234 9118 Std. Design N/A Resolved - Closed None 234 9118 Std. Design N/A Resolved - Closed None 234 9118 Std. Design N/A Resolved - Closed None 294 9273 Std. Design N/A Unresolved - Closed None 296 9231 Std. Design N/A <	NRC Letter No System Cletter No Question Type Sensitivity Type Question Status Issue Number Type SRP Section 251 9188 Sid. Design N/A Resolved - Closed Open Item Reactor Vessel Materials 404 9436 Std. 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N/A Steam Generato	NRC Letter RAI Type Sensitivity Question Status Issue Reactor Vessel Materials MCB 10/13/17 251 9188 Std. Design N/A Resolved - Closed Open Item Reactor Vessel Materials MCB 10/13/17 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 234 9118 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 234 9118 Std. Design N/A Resolved - Closed None Pressure-Temperature Limits, Upper-Shell Energy, and Press	NRC Letter RAI Type System RAI Type Sensitivity Question Status Type SER Section RAI Issue Ranch Type SER Section RAI Issue Ranch RAI Issue Ranch RAI Issue Ranch RAI Issue Ranch RAI Issue Record Ranch Number SER Reactor Vessel Materials MCB 10/13/17 3/23/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 5/16/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 5/16/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 5/16/18 5/16/18 404 9436 Std. Design N/A Resolved - Closed None Reactor Vessel Materials MCB 3/29/18 5/16/18 5/16/18 5/16/18 5/16/18 7/16/18

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52

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Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
05.04.02.01- 12	296	9231	Std. Design	N/A	Resolved - Closed	None		Steam Generator Materials	МСВ	12/13/17		2/14/18	ML18043B174
05.04.02.01- 13	296	9231	Std. Design	N/A	Resolved - Closed	None		Steam Generator Materials	MCB	12/13/17		2/14/18	ML18043B174
05.04.02.01- 14	296	9231	Std. Design	N/A	Unresolved - Closed	None		Steam Generator Materials	MCB	12/13/17		2/14/18	ML18043B174
05.04.02.01- 15	499	9564	Std. Design	N/A	Confirmatory Action	Confirma tory Item		Steam Generator Materials	MCB	8/21/18		10/23/18	ML18295A787
05.04.02.01- 15	499	9564	Std. Design	N/A	Confirmatory Action	Confirma tory Item		Steam Generator Materials	MCB	8/21/18		1/7/19	ML19007A091
05.04.02.01- 15	499	9564	Std. Design	N/A	Confirmatory Action	Confirma tory Item		Steam Generator Materials	MCB	8/21/18		1/7/19	ML19007A091
05.04.02.01- 16	499	9564	Std. Design	N/A	Confirmatory Action	Confirma tory Item		Steam Generator Materials	MCB	8/21/18		10/23/18	ML18295A787
05.04.02.01- 17	499	9564	Std. Design	N/A	Confirmatory Action	Confirma tory Item		Steam Generator Materials	MCB	8/21/18		10/23/18	ML18295A787
05.04.02.01- 18	499	9564	Std. Design	N/A	Confirmatory Action	Confirma tory Item		Steam Generator Materials	MCB	8/21/18		10/23/18	ML18295A787
05.04.02.01- 18	499	9564	Std. Design	N/A	Confirmatory Action	Confirma tory Item		Steam Generator Materials	MCB	8/21/18		1/7/19	ML19007A091
05.04.02.01- 18	499	9564	Std. Design	N/A	Confirmatory Action	Confirma tory Item		Steam Generator Materials	MCB	8/21/18		1/7/19	ML19007A091
05.04.02.01- 19	499	9564	Std. Design	N/A	Confirmatory Action	Confirma tory Item		Steam Generator Materials	MCB	8/21/18		10/23/18	ML18295A787
05.04.02.01- 2	296	9231	Std. Design	N/A	Resolved - Closed	None		Steam Generator Materials	MCB	12/13/17		2/14/18	ML18043B174
05.04.02.01- 3	296	9231	Std. Design	N/A	Resolved - Closed	None		Steam Generator Materials	MCB	12/13/17		2/14/18	ML18043B174
05.04.02.01- 4	296	9231	Std. Design	N/A	Resolved - Closed	None		Steam Generator Materials	MCB	12/13/17		2/14/18	ML18043B174
05.04.02.01- 5	296	9231	Std. Design	N/A	Resolved - Closed	None		Steam Generator Materials	МСВ	12/13/17		2/14/18	ML18043B174

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Application 7	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
05.04.02.01- 6	296	9231	Std. Design	N/A	Unresolved - Closed	None		Steam Generator Materials	МСВ	12/13/17		2/14/18	ML18043B174
05.04.02.01- 7	296	9231	Std. Design	N/A	Resolved - Closed	None		Steam Generator Materials	МСВ	12/13/17		2/14/18	ML18043B174
05.04.02.01- 8	296	9231	Std. Design	N/A	Unresolved - Closed	None		Steam Generator Materials	MCB	12/13/17		2/14/18	ML18043B174
05.04.02.01- 9	296	9231	Std. Design	N/A	Resolved - Closed	None		Steam Generator Materials	MCB	12/13/17		2/14/18	ML18043B174
05.04.02.02- 1	498	9572	Std. Design	N/A	Resolved - Closed	None		Steam Generator Program	MCB	8/21/18		10/18/18	ML18290B059
05.04.07-1	15	8745	Std. Design	N/A	Resolved - Closed	None		Residual Heat Removal (RHR) System	SRSB	5/3/17		6/29/17	ML17179A864
05.04.07-2	15	8745	Std. Design	N/A	Resolved - Closed	None		Residual Heat Removal (RHR) System	SRSB	5/3/17		6/29/17	ML17179A864
05.04.07-3	15	8745	Std. Design	N/A	Resolved - Closed	None		Residual Heat Removal (RHR) System	SRSB	5/3/17		6/29/17	ML17179A864
05.04.07-4	281	9082	Std. Design	N/A	Resolved - Closed	SER Open Item		Residual Heat Removal (RHR) System	SRSB	11/14/17		1/16/18	ML18011B047
05.04.07-5	281	9082	Std. Design	N/A	Resolved - Closed	SER Open Item		Residual Heat Removal (RHR) System	SRSB	11/14/17		1/16/18	ML18011B047
05.04.07-6	417	9442	Std. Design	N/A	Resolved - Closed	None		Residual Heat Removal (RHR) System	SRSB	4/11/18		5/21/18	ML18137A407
05.04.07-7	497	9570	Std. Design	N/A	Resolved - Closed	None		Residual Heat Removal (RHR) System	SRSB	8/13/18		10/16/18	ML18288A273
05.04.07-7	497	9570	Std. Design	N/A	Resolved - Closed	None		Residual Heat Removal (RHR) System	SRSB	8/13/18		11/19/18	ML18320A276
05.04.12-1	120	9020	Std. Design	N/A	Resolved - Closed	None		Reactor Coolant System High Point Vents	SPSB	8/2/17		9/27/17	ML17269A293
06.01.01-1	233	9111	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	МСВ	9/21/17		11/20/17	ML17324B389
06.01.01-1	233	9111	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	MCB	9/21/17		7/3/18	ML18184A239

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Application	Title:	NuScale S	tandard Des	ign Certificati	on - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
06.01.01-2	233	9111	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	МСВ	9/21/17		11/20/17	ML17324B389
06.01.01-3	233	9111	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	МСВ	9/21/17		11/20/17	ML17324B389
06.01.01-4	233	9111	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	МСВ	9/21/17		11/20/17	ML17324B389
06.01.01-5	233	9111	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	МСВ	9/21/17		11/20/17	ML17324B389
06.01.01-6	233	9111	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	MCB	9/21/17		11/20/17	ML17324B389
06.01.01-7	233	9111	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	MCB	9/21/17		11/20/17	ML17324B389
06.01.01-8	253	9184	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	MCB	10/13/17		12/11/17	ML17345B219
06.01.01-8	253	9184	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	MCB	10/13/17		12/11/17	ML17345B219
06.01.01-8	253	9184	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	MCB	10/13/17		7/12/18	ML18193B178
06.01.01-9	253	9184	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	MCB	10/13/17		7/12/18	ML18193B178
06.01.01-9	253	9184	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	MCB	10/13/17		12/11/17	ML17345B219
06.01.01-9	253	9184	Std. Design	N/A	Resolved - Closed	None		Engineered Safety Features Materials	MCB	10/13/17		12/11/17	ML17345B219
06.02.01.01. A-1	16	8783	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	5/3/17	ML17123A450	6/30/17	ML17181A394
06.02.01.01. A-1	16	8783	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	5/3/17	ML17123A450	5/9/18	ML18129A178
06.02.01.01. A-10	398	9317	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	3/22/18		9/13/18	ML18256A360

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06.02.01.01. A-11	398	9317	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	3/22/18		9/13/18	ML18256A360
06.02.01.01. A-12	398	9317	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	3/22/18		9/13/18	ML18256A360
06.02.01.01. A-13	411	9467	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	4/9/18		6/5/18	ML18156A578
06.02.01.01. A-14	411	9467	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	4/9/18		6/5/18	ML18156A578
06.02.01.01. A-15	411	9467	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	4/9/18		6/5/18	ML18156A578
06.02.01.01. A-16	465	9494	Std. Design	N/A	Unresolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	5/4/18		3/8/19	ML19067A286
06.02.01.01. A-17	465	9494	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	5/4/18		4/8/19	ML19098B620
06.02.01.01. A-17	465	9494	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	5/4/18		1/9/19	ML19009A551
06.02.01.01. A-18	466	9482	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	5/4/18		1/28/19	ML19028A413
06.02.01.01. A-18	466	9482	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	5/4/18		5/22/19	ML19143A206
06.02.01.01. A-18	466	9482	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	5/4/18		10/31/18	ML18304A132

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06.02.01.01. A-18	466	9482	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	5/4/18		10/31/18	ML18304A132
06.02.01.01. A-18	466	9482	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	5/4/18		12/5/19	ML19304B471
06.02.01.01. A-19	466	9482	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	5/4/18		10/31/18	ML18304A132
06.02.01.01. A-19	466	9482	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	5/4/18		10/31/18	ML18304A132
06.02.01.01. A-2	338	9357	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	1/12/18		10/26/18	ML18310A090
06.02.01.01. A-20	466	9482	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	5/4/18		6/29/18	ML18180A419
06.02.01.01. A-21	487	9549	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	6/9/18		9/25/18	ML18268A364
06.02.01.01. A-21	487	9549	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	6/9/18		9/25/18	ML18268A364
06.02.01.01. A-3	338	9357	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	1/12/18		10/26/18	ML18310A090
06.02.01.01. A-4	338	9357	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	1/12/18		10/26/18	ML18310A090
06.02.01.01. A-5	377	9380	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	3/2/18		3/14/19	ML19073A241

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57

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
06.02.01.01. A-5	377	9380	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	3/2/18		10/25/18	ML18298A359
06.02.01.01. A-6	377	9380	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	3/2/18		9/13/18	ML18256A342
06.02.01.01. A-6	377	9380	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	3/2/18		5/31/19	ML19151A837
06.02.01.01. A-7	377	9380	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	3/2/18		10/4/18	ML18274A399
06.02.01.01. A-8	398	9317	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	3/22/18		9/13/18	ML18256A360
06.02.01.01. A-9	398	9317	Std. Design	N/A	Resolved - Closed	None		PWR Dry Containments, Including Subatmospheric Containments	SCVB	3/22/18		9/13/18	ML18256A360
06.02.01.03- 1	353	9304	Std. Design	N/A	Resolved - Closed	SER Open Item		Mass and Energy Release Analysis for Postulated Loss-of-Coolant Accidents (LOCAs)	SCVB	1/28/18		10/26/18	ML18300A001
06.02.01-1	56	8793	Std. Design	N/A	Resolved - Closed	None		Containment Functional Design	SCVB	6/8/17	ML17160A193	7/28/17	ML17209B011
06.02.01-2	56	8793	Std. Design	N/A	Resolved - Closed	None		Containment Functional Design	SCVB	6/8/17	ML17160A193	7/28/17	ML17209B011
06.02.01-2	56	8793	Std. Design	N/A	Resolved - Closed	None		Containment Functional Design	SCVB	6/8/17	ML17160A193	9/22/17	ML17265A825
06.02.01-3	293	9210	Std. Design	N/A	Resolved - Closed	None		Containment Functional Design	МСВ	12/6/17		1/29/18	ML18029A846
06.02.01-4	293	9210	Std. Design	N/A	Resolved - Closed	None		Containment Functional Design	MCB	12/6/17		3/21/18	ML18080A177
06.02.01-5	357	9235	Std. Design	N/A	Resolved - Closed	SER Open Item		Containment Functional Design	SCVB	1/29/18		2/27/18	ML18058B995

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
06.02.01-6	475	9437	Std. Design	N/A	Resolved - Closed	None		Containment Functional Design	МСВ	5/11/18		7/5/18	ML18186A678
06.02.01-7	475	9437	Std. Design	N/A	Resolved - Closed	None		Containment Functional Design	МСВ	5/11/18		7/5/18	ML18186A678
06.02.01-8	475	9437	Std. Design	N/A	Resolved - Closed	None		Containment Functional Design	МСВ	5/11/18		7/5/18	ML18186A678
06.02.01-9	475	9437	Std. Design	N/A	Resolved - Closed	None		Containment Functional Design	МСВ	5/11/18		7/5/18	ML18186A678
06.02.02-1	53	8806	Std. Design	N/A	Resolved - Closed	None		Containment Heat Removal Systems	SCVB	6/6/17	ML17157B493	8/2/17	ML17214A894
06.02.02-10	425	9515	Std. Design	N/A	Resolved - Closed	SER Open Item		Containment Heat Removal Systems	MCB	4/16/18		6/7/18	ML18158A226
06.02.02-2	73	8910	Std. Design	N/A	Resolved - Closed	None		Containment Heat Removal Systems	SCVB	6/27/17	ML17178A322	8/16/17	ML17229B521
06.02.02-3	186	9009	Std. Design	N/A	Resolved - Closed	None		Containment Heat Removal Systems	MEB	8/18/17	ML17230A225	9/25/17	ML17268A409
06.02.02-4	186	9009	Std. Design	N/A	Resolved - Closed	None		Containment Heat Removal Systems	MEB	8/18/17	ML17230A225	9/25/17	ML17268A409
06.02.02-5	186	9009	Std. Design	N/A	Resolved - Closed	None		Containment Heat Removal Systems	MEB	8/18/17	ML17230A225	9/25/17	ML17268A409
06.02.02-6	186	9009	Std. Design	N/A	Resolved - Closed	None		Containment Heat Removal Systems	MEB	8/18/17	ML17230A225	9/25/17	ML17268A409
06.02.02-7	186	9009	Std. Design	N/A	Resolved - Closed	None		Containment Heat Removal Systems	MEB	8/18/17	ML17230A225	9/25/17	ML17268A409
06.02.02-8	246	9169	Std. Design	N/A	Resolved - Closed	None		Containment Heat Removal Systems	MCB	9/29/17		11/27/17	ML17331A994
06.02.02-9	246	9169	Std. Design	N/A	Unresolved - Closed	None		Containment Heat Removal Systems	МСВ	9/29/17		11/27/17	ML17331A994
06.02.04-1	64	8863	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	6/20/17	ML17171A135	8/21/17	ML17233A365
06.02.04-2	64	8863	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	6/20/17	ML17171A135	8/21/17	ML17233A365

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06.02.04-3	64	8863	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	6/20/17	ML17171A135	8/21/17	ML17233A365
06.02.04-4	64	8863	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	6/20/17	ML17171A135	8/21/17	ML17233A365
06.02.04-4	64	8863	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	6/20/17	ML17171A135	4/13/18	ML18103A161
06.02.04-4	64	8863	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	6/20/17	ML17171A135	6/4/18	ML18155A596
06.02.04-4	64	8863	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	6/20/17	ML17171A135	8/21/17	ML17233A365
06.02.04-5	64	8863	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	6/20/17	ML17171A135	8/21/17	ML17233A365
06.02.04-5	64	8863	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	6/20/17	ML17171A135	6/4/18	ML18155A596
06.02.04-5	64	8863	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	6/20/17	ML17171A135	3/27/18	ML18086B093
06.02.04-5	64	8863	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	6/20/17	ML17171A135	2/12/18	ML18039A975
06.02.04-5	64	8863	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	6/20/17	ML17171A135	8/21/17	ML17233A365
06.02.04-6	70	8888	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	6/26/17	ML17177A661	8/16/17	ML17229B566
06.02.04-7	195	9060	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	8/25/17		3/15/18	ML18074A352
06.02.04-7	195	9060	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	8/25/17		10/24/17	ML17297B243
06.02.04-8	195	9060	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	8/25/17		10/24/17	ML17297B243
06.02.04-9	207	9059	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	9/1/17	ML17244A832	10/24/17	ML17297B301
06.02.04-9	207	9059	Std. Design	N/A	Resolved - Closed	None		Containment Isolation System	SCVB	9/1/17	ML17244A832	3/15/18	ML18074A342

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06.02.05-1	62	8862	Std. Design	N/A	Resolved - Closed	None		Combustible Gas Control in Containment	SCVB	6/14/17	ML17171A134	8/14/17	ML17226A371
06.02.05-10	289	9215	Std. Design	N/A	Resolved - Closed	None		Combustible Gas Control in Containment	SCVB	11/29/17		1/29/18	ML18029A845
06.02.05-2	62	8862	Std. Design	N/A	Resolved - Closed	None		Combustible Gas Control in Containment	SCVB	6/14/17	ML17171A134	8/14/17	ML17226A371
06.02.05-3	152	9047	Std. Design	N/A	Resolved - Closed	None		Combustible Gas Control in Containment	SCVB	8/5/17	ML17217A023	10/2/17	ML17275A530
06.02.05-4	188	9022	Std. Design	SUNSI (for tracking only)	Resolved - Closed	None		Combustible Gas Control in Containment	SCVB	8/19/17	ML17231A000	10/18/17	ML17291A613
06.02.05-5	188	9022	Std. Design	SUNSI (for tracking only)	Resolved - Closed	None		Combustible Gas Control in Containment	SCVB	8/19/17	ML17231A000	10/18/17	ML17291A613
06.02.05-6	188	9022	Std. Design	SUNSI (for tracking only)	Resolved - Closed	None		Combustible Gas Control in Containment	SCVB	8/19/17	ML17231A000	10/18/17	ML17291A613
06.02.05-7	250	9191	Std. Design	N/A	Resolved - Closed	SER Open Item		Combustible Gas Control in Containment	SCVB	10/13/17		12/7/17	ML17341B188
06.02.05-8	250	9191	Std. Design	N/A	Resolved - Closed	SER Open Item		Combustible Gas Control in Containment	SCVB	10/13/17		12/7/17	ML17341B188
06.02.05-9	250	9191	Std. Design	N/A	Resolved - Closed	SER Open Item		Combustible Gas Control in Containment	SCVB	10/13/17		12/7/17	ML17341B188
06.02.06-1	255	9164	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	10/13/17		12/12/17	ML17346B297
06.02.06-10	271	9147	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	10/25/17		12/18/17	ML17352B254
06.02.06-11	271	9147	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	10/25/17		12/18/17	ML17352B254
06.02.06-12	271	9147	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	10/25/17		12/18/17	ML17352B254
		-	Std. Design Std.					Containment Leakage Testing Containment Leakage					

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61

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application 1	Title:	NuScale S	tandard Des	ign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
06.02.06-13	271	9147	Std. Design	N/A	Resolved - Closed	SER Open Item		Containment Leakage Testing	SCVB	10/25/17		12/18/17	ML17352B254
06.02.06-14	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-14	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-14	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-14	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		3/12/18	ML18043B167
06.02.06-14	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-14	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-15	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-15	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-15	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-15	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		3/12/18	ML18043B167
06.02.06-15	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-15	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-15	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-16	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-16	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167

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62

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Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
06.02.06-16	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		3/12/18	ML18043B167
06.02.06-16	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-16	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-16	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-16	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-17	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-17	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-17	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-17	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-17	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		3/12/18	ML18043B167
06.02.06-17	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-17	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-17	295	9216	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-18	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-18	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-18	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		3/12/18	ML18043B167

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63

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Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application 7	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
06.02.06-18	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-18	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-18	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-18	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-18	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-19	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-19	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-19	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-19	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-19	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-19	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		3/12/18	ML18043B167
06.02.06-19	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-19	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-19	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-2	255	9164	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	10/13/17		12/12/17	ML17346B297
06.02.06-2	255	9164	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	10/13/17		3/8/18	ML18067A678

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64

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Application T	Γitle:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
06.02.06-2	255	9164	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	10/13/17		3/8/18	ML18067A678
06.02.06-20	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-20	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		3/12/18	ML18043B167
06.02.06-20	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-20	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-20	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-20	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-20	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-20	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-20	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-20	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-21	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-21	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-21	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-21	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-21	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167

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Application	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
06.02.06-21	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-21	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		3/12/18	ML18043B167
06.02.06-21	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-21	295	9216	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	12/12/17		2/12/18	ML18043B167
06.02.06-22	433	9474	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	4/23/18		9/24/18	ML18267A403
06.02.06-22	433	9474	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	4/23/18		2/14/19	ML19045A655
06.02.06-22	433	9474	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	4/23/18		3/28/19	ML19087A328
06.02.06-23	433	9474	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	4/23/18		9/24/18	ML18267A403
06.02.06-24	433	9474	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	4/23/18		9/24/18	ML18267A403
06.02.06-25	433	9474	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	4/23/18		9/24/18	ML18267A403
06.02.06-26	433	9474	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	4/23/18		9/24/18	ML18267A403
06.02.06-3	255	9164	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	10/13/17		12/12/17	ML17346B297
06.02.06-4	271	9147	Std. Design	N/A	Unresolved - Closed	SER Open Item		Containment Leakage Testing	SCVB	10/25/17		12/18/17	ML17352B254
06.02.06-5	271	9147	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	10/25/17		12/18/17	ML17352B254
06.02.06-6	271	9147	Std. Design	N/A	Unresolved - Closed	None		Containment Leakage Testing	SCVB	10/25/17		12/18/17	ML17352B254
06.02.06-7	271	9147	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	10/25/17		12/18/17	ML17352B254

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Application	Title:	NuScale S	tandard Des	ign Certificati	on - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
06.02.06-8	271	9147	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	10/25/17		12/18/17	ML17352B254
06.02.06-9	271	9147	Std. Design	N/A	Resolved - Closed	None		Containment Leakage Testing	SCVB	10/25/17		12/18/17	ML17352B254
06.03-1	426	9469	Std. Design	N/A	Resolved - Closed	None		Emergency Core Cooling System	SRSB	4/16/18		6/11/18	ML18162A351
06.03-2	426	9469	Std. Design	N/A	Unresolved - Closed	None		Emergency Core Cooling System	SRSB	4/16/18		6/11/18	ML18162A351
06.03-3	426	9469	Std. Design	N/A	Resolved - Closed	None		Emergency Core Cooling System	SRSB	4/16/18		6/11/18	ML18162A351
06.03-3	426	9469	Std. Design	N/A	Resolved - Closed	None		Emergency Core Cooling System	SRSB	4/16/18		6/11/18	ML18162A351
06.03-4	426	9469	Std. Design	N/A	Resolved - Closed	None		Emergency Core Cooling System	SRSB	4/16/18		6/11/18	ML18162A351
06.03-5	426	9469	Std. Design	N/A	Resolved - Closed	None		Emergency Core Cooling System	SRSB	4/16/18		6/11/18	ML18162A351
06.03-6	426	9469	Std. Design	N/A	Unresolved - Closed	None		Emergency Core Cooling System	SRSB	4/16/18		6/11/18	ML18162A351
06.03-6	426	9469	Std. Design	N/A	Unresolved - Closed	None		Emergency Core Cooling System	SRSB	4/16/18		1/10/19	ML19010A282
06.03-7	426	9469	Std. Design	N/A	Resolved - Closed	SER Open Item		Emergency Core Cooling System	SRSB	4/16/18		3/6/19	ML19065A314
06.03-7	426	9469	Std. Design	N/A	Resolved - Closed	SER Open Item		Emergency Core Cooling System	SRSB	4/16/18		6/11/18	ML18162A351
06.03-8	526	9719	Std. Design	N/A	Confirmatory Action	None		Emergency Core Cooling System	SRSB	10/3/19	ML19276D281	10/23/19	ML19296D805
06.04-1	193	9079	Std. Design	N/A	Unresolved - Closed	None		Control Room Habitability System	RPAC	8/19/17	ML17231A005	10/18/17	ML17291A672
06.04-1	193	9079	Std. Design	N/A	Unresolved - Closed	None		Control Room Habitability System	RPAC	8/19/17	ML17231A005	10/18/17	ML17291A672
06.04-2	227	8845	Std. Design	N/A	Resolved - Closed	None		Control Room Habitability System	SCVB	9/14/17		10/31/17	ML17304A666

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Application	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
06.04-3	359	9321	Std. Design	N/A	Resolved - Closed	None		Control Room Habitability System	SCVB	2/2/18		3/20/18	ML18079B138
06.04-3	359	9321	Std. Design	N/A	Resolved - Closed	None		Control Room Habitability System	SCVB	2/2/18		3/20/18	ML18079B138
06.04-4	489	9534	Std. Design	N/A	Resolved - Closed	None		Control Room Habitability System	RPAC	6/15/18		10/2/18	ML18275A426
06.04-4	489	9534	Std. Design	N/A	Resolved - Closed	None		Control Room Habitability System	RPAC	6/15/18		10/2/18	ML18275A426
06.04-4	489	9534	Std. Design	N/A	Resolved - Closed	None		Control Room Habitability System	RPAC	6/15/18		8/30/18	ML18242A685
06.04-4	489	9534	Std. Design	N/A	Resolved - Closed	None		Control Room Habitability System	RPAC	6/15/18		8/30/18	ML18242A685
06.04-4	489	9534	Std. Design	N/A	Resolved - Closed	None		Control Room Habitability System	RPAC	6/15/18		1/11/19	ML19011A114
06.04-5	489	9534	Std. Design	N/A	Resolved - Closed	None		Control Room Habitability System	RPAC	6/15/18		8/30/18	ML18242A685
06.04-5	489	9534	Std. Design	N/A	Resolved - Closed	None		Control Room Habitability System	RPAC	6/15/18		10/25/18	ML18298A112
06.06-1	235	9109	Std. Design	N/A	Resolved - Closed	SER Open Item		Inservice Inspection and Testing of Class 2 and 3 Components	MCB	9/22/17		11/17/17	ML17321B057
06.06-1	235	9109	Std. Design	N/A	Resolved - Closed	SER Open Item		Inservice Inspection and Testing of Class 2 and 3 Components	MCB	9/22/17		6/12/18	ML18163A401
06.06-2	235	9109	Std. Design	N/A	Resolved - Closed	SER Open Item		Inservice Inspection and Testing of Class 2 and 3 Components	MCB	9/22/17		11/17/17	ML17321B057
06.06-3	235	9109	Std. Design	N/A	Resolved - Closed	None		Inservice Inspection and Testing of Class 2 and 3 Components	MCB	9/22/17		11/17/17	ML17321B057
06.06-4	235	9109	Std. Design	N/A	Resolved - Closed	SER Open Item		Inservice Inspection and Testing of Class 2 and 3 Components	MCB	9/22/17		11/17/17	ML17321B057

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
06.06-5	235	9109	Std. Design	N/A	Resolved - Closed	SER Open Item		Inservice Inspection and Testing of Class 2 and 3 Components	MCB	9/22/17		11/17/17	ML17321B057
06.06-6	235	9109	Std. Design	N/A	Resolved - Closed	SER Open Item		Inservice Inspection and Testing of Class 2 and 3 Components	MCB	9/22/17		11/17/17	ML17321B057
06.06-7	235	9109	Std. Design	N/A	Resolved - Closed	None		Inservice Inspection and Testing of Class 2 and 3 Components	MCB	9/22/17		11/17/17	ML17321B057
07.0.DSRS- 1	117	8993	Std. Design	N/A	Resolved - Closed	Confirma tory Item		Instrumentation and Controls - Introduction and Overview of Review Process	ICE	8/2/17	ML17214A604	9/27/17	ML17270A423
07.0.DSRS- 2	117	8993	Std. Design	N/A	Resolved - Closed	Confirma tory Item		Instrumentation and Controls - Introduction and Overview of Review Process	ICE	8/2/17	ML17214A604	9/27/17	ML17270A423
07.0.DSRS- 3	117	8993	Std. Design	N/A	Resolved - Closed	Confirma tory Item		Instrumentation and Controls - Introduction and Overview of Review Process	ICE	8/2/17	ML17214A604	9/27/17	ML17270A423
07.0.DSRS- 4	117	8993	Std. Design	N/A	Resolved - Closed	Confirma tory Item		Instrumentation and Controls - Introduction and Overview of Review Process	ICE	8/2/17	ML17214A604	9/27/17	ML17270A423
07.0.DSRS- 5	117	8993	Std. Design	N/A	Resolved - Closed	Confirma tory Item		Instrumentation and Controls - Introduction and Overview of Review Process	ICE	8/2/17	ML17214A604	9/27/17	ML17270A423
07.0.DSRS- 6	117	8993	Std. Design	N/A	Resolved - Closed	Confirma tory Item		Instrumentation and Controls - Introduction and Overview of Review Process	ICE	8/2/17	ML17214A604	9/27/17	ML17270A423
07.0.DSRS- 7	118	8995	Std. Design	N/A	Resolved - Closed	Confirma tory Item		Instrumentation and Controls - Introduction and Overview of Review Process	ICE	8/2/17	ML17214A605	9/20/17	ML17264A527
07.01.DSRS -1	96	8994	Std. Design	N/A	Resolved - Closed	None		Fundamental Design Principles	ICE	7/21/17	ML17202G696	8/16/17	ML17229B314
07.01.DSRS -2	96	8994	Std. Design	N/A	Resolved - Closed	None		Fundamental Design Principles	ICE	7/21/17	ML17202G696	9/12/17	ML17255A896

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07.01.DSRS -3	170	9027	Std. Design	N/A	Resolved - Closed	Confirma tory Item		Fundamental Design Principles	ICE	8/12/17	ML17224A014	10/2/17	ML17275B311
07.01.DSRS -4	171	9032	Std. Design	N/A	Resolved - Closed	None		Fundamental Design Principles	ICE	8/12/17	ML17224A021	10/3/17	ML17276B165
07.01.DSRS -5	171	9032	Std. Design	N/A	Resolved - Closed	None		Fundamental Design Principles	ICE	8/12/17	ML17224A021	10/3/17	ML17276B165
07.02.DSRS -1	115	9005	Std. Design	N/A	Resolved - Closed	None		System Characteristics	ICE	7/31/17	ML17212B464	9/29/17	ML17272A298
07.02.DSRS -2	119	8996	Std. Design	N/A	Resolved - Closed	Confirma tory Item		System Characteristics	ICE	8/2/17	ML17214A606	9/27/17	ML17270A200
07.02.DSRS -3	121	9007	Std. Design	N/A	Resolved - Closed	Confirma tory Item		System Characteristics	ICE	8/2/17	ML17214A615	9/27/17	ML17270A428
07.02.DSRS -4	122	9008	Std. Design	N/A	Resolved - Closed	Confirma tory Item		System Characteristics	ICE	8/10/17	ML17222A801	10/6/17	ML17279B165
08.01-1	27	8788	Std. Design	N/A	Resolved - Closed	None		Electric Power - Introduction	EEB	5/22/17	ML17142A389	7/19/17	ML17200D160
08.01-1	27	8788	Std. Design	N/A	Resolved - Closed	None		Electric Power - Introduction	EEB	5/22/17	ML17142A389	11/3/17	ML17310A296
08.01-2	360	9308	Std. Design	N/A	Resolved - Closed	None		Electric Power - Introduction	EEB	2/2/18		3/27/18	ML18086B177
08.02-1	14	8768	Std. Design	N/A	Unresolved - Closed	SER Open Item	Closed	Offsite Power System	EEB	4/27/17	ML17117A659	6/2/17	ML17153A335
08.02-10	40	8839	Std. Design	N/A	Resolved - Closed	None		Offsite Power System	EEB	5/26/17	ML17146B360	7/7/17	ML17188A464
08.02-2	14	8768	Std. Design	N/A	Resolved - Closed	None		Offsite Power System	EEB	4/27/17	ML17117A659	6/2/17	ML17153A335
08.02-3	14	8768	Std. Design	N/A	Resolved - Closed	None		Offsite Power System	EEB	4/27/17	ML17117A659	6/8/17	ML17153A335
08.02-4	32	8823	Std. Design	N/A	Resolved - Closed	None		Offsite Power System	EEB	5/26/17	ML17146B297	7/24/17	ML17205A551
08.02-5	32	8823	Std. Design	N/A	Resolved - Closed	None		Offsite Power System	EEB	5/26/17	ML17146B297	7/24/17	ML17205A551

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
08.02-6	32	8823	Std. Design	N/A	Resolved - Closed	None		Offsite Power System	EEB	5/26/17	ML17146B297	7/24/17	ML17205A551
08.02-7	32	8823	Std. Design	N/A	Unresolved - Closed	None	Closed	Offsite Power System	EEB	5/26/17	ML17146B297	7/24/17	ML17205A551
08.02-8	40	8839	Std. Design	N/A	Resolved - Closed	None		Offsite Power System	EEB	5/26/17	ML17146B360	7/7/17	ML17188A464
08.02-9	40	8839	Std. Design	N/A	Unresolved - Closed	None	Closed	Offsite Power System	EEB	5/26/17	ML17146B360	7/7/17	ML17188A464
08.03.01-1	145	9006	Std. Design	N/A	Resolved - Closed	None		AC Power Systems (Onsite)	EEB	8/5/17	ML17217A016	9/15/17	ML17258A865
08.03.01-2	145	9006	Std. Design	N/A	Resolved - Closed	None		AC Power Systems (Onsite)	EEB	8/5/17	ML17217A016	9/15/17	ML17258A865
08.03.01-3	145	9006	Std. Design	N/A	Resolved - Closed	None		AC Power Systems (Onsite)	EEB	8/5/17	ML17217A016	9/15/17	ML17258A865
08.03.01-4	145	9006	Std. Design	N/A	Resolved - Closed	None		AC Power Systems (Onsite)	EEB	8/5/17	ML17217A016	9/15/17	ML17258A865
08.03.02-1	147	9041	Std. Design	N/A	Resolved - Closed	None		DC Power Systems (Onsite)	EEB	8/5/17	ML17217A018	9/26/17	ML17269A285
08.03.02-2	190	9038	Std. Design	N/A	Resolved - Closed	None		DC Power Systems (Onsite)	EEB	8/19/17	ML17231A002	10/18/17	ML17291B312
08.03.02-3	190	9038	Std. Design	N/A	Resolved - Closed	None		DC Power Systems (Onsite)	EEB	8/19/17	ML17231A002	10/18/17	ML17291B312
08.03.02-4	190	9038	Std. Design	N/A	Unresolved - Closed	None		DC Power Systems (Onsite)	EEB	8/19/17	ML17231A002	10/18/17	ML17291B312
08.03.02-5	190	9038	Std. Design	N/A	Resolved - Closed	None		DC Power Systems (Onsite)	EEB	8/19/17	ML17231A002	10/18/17	ML17291B312
08.03.02-6	190	9038	Std. Design	N/A	Resolved - Closed	None		DC Power Systems (Onsite)	EEB	8/19/17	ML17231A002	10/18/17	ML17291B312
08.03.02-7	190	9038	Std. Design	N/A	Resolved - Closed	None		DC Power Systems (Onsite)	EEB	8/19/17	ML17231A002	10/18/17	ML17291B312
08.04-1	33	8824	Std. Design	N/A	Resolved - Closed	None		Station Blackout	EEB	5/26/17	ML17146B298	6/28/17	ML17179A979

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	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
08.04-2	242	9155	Std. Design	N/A	Resolved - Closed	None		Station Blackout	EEB	9/27/17		11/14/17	ML17318A816
09.01.01-1	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	6/26/17	ML17178A001
09.01.01-1	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	12/18/17	ML17352A641
09.01.01-10	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	6/26/17	ML17178A001
09.01.01-11	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	6/26/17	ML17178A001
09.01.01-11	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	12/18/17	ML17352A641
09.01.01-12	290	9157	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	11/30/17		5/22/18	ML18142C220
09.01.01-13	290	9157	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	11/30/17		5/22/18	ML18142C220
09.01.01-14	290	9157	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	11/30/17		5/22/18	ML18142C220
09.01.01-15	290	9157	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	11/30/17		5/22/18	ML18142C220
09.01.01-16	290	9157	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	11/30/17		5/22/18	ML18142C220
09.01.01-17	290	9157	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	11/30/17		5/22/18	ML18142C220

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09.01.01-18	290	9157	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	11/30/17		5/22/18	ML18142C220
09.01.01-19	316	9222	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	1/2/18		1/22/18	ML18022A915
09.01.01-19	316	9222	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	1/2/18		4/24/18	ML18114A827
09.01.01-2	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	12/18/17	ML17352A641
09.01.01-2	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	6/26/17	ML17178A001
09.01.01-20	494	9548	Std. Design	N/A	Resolved - Closed	SER Open Item		Criticality Safety of Fresh and Spent Fuel Storage and Handling	MCB	7/12/18		5/2/19	ML19122A509
09.01.01-20	494	9548	Std. Design	N/A	Resolved - Closed	SER Open Item		Criticality Safety of Fresh and Spent Fuel Storage and Handling	MCB	7/12/18		9/7/18	ML18250A288
09.01.01-3	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	6/26/17	ML17178A001
09.01.01-3	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	12/18/17	ML17352A641
09.01.01-4	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	12/18/17	ML17352A641
09.01.01-4	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	6/26/17	ML17178A001

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
09.01.01-5	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	6/26/17	ML17178A001
09.01.01-6	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	6/26/17	ML17178A001
09.01.01-7	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	6/26/17	ML17178A001
09.01.01-7	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	12/18/17	ML17352A641
09.01.01-8	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	6/26/17	ML17178A001
09.01.01-9	4	8760	Std. Design	N/A	Resolved - Closed	None		Criticality Safety of Fresh and Spent Fuel Storage and Handling	SRSB	4/25/17	ML17116A014	6/26/17	ML17178A001
09.01.02-1	180	9010	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/12/17	ML17224A030	10/11/17	ML17284A915
09.01.02-1	180	9010	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/12/17	ML17224A030	1/15/18	ML18015A009
09.01.02-10	187	9014	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/18/17	ML17230A227	11/10/17	ML17314A029
09.01.02-11	187	9014	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/18/17	ML17230A227	1/29/18	ML18029A346
09.01.02-12	187	9014	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/18/17	ML17230A227	11/10/17	ML17314A029
09.01.02-13	187	9014	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/18/17	ML17230A227	11/10/17	ML17314A029
09.01.02-14	189	9025	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/19/17	ML17231A001	10/18/17	ML17291B313
09.01.02-14	189	9025	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/19/17	ML17231A001	1/9/18	ML18009B050

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
09.01.02-15	189	9025	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/19/17	ML17231A001	11/10/17	ML17314A032
09.01.02-16	189	9025	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/19/17	ML17231A001	10/18/17	ML17291B313
09.01.02-17	204	9026	Std. Design	SUNSI (for tracking only)	Resolved - Closed	None		New and Spent Fuel Storage	SEB	9/1/17		12/4/17	ML17338B181
09.01.02-18	224	9011	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	9/12/17		11/29/17	ML17333B177
09.01.02-19	224	9011	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	9/12/17		11/29/17	ML17333B177
09.01.02-2	180	9010	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/12/17	ML17224A030	10/11/17	ML17284A915
09.01.02-20	224	9011	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	9/12/17		11/29/17	ML17333B177
09.01.02-21	224	9011	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	9/12/17		11/29/17	ML17333B177
09.01.02-22	224	9011	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	9/12/17		11/29/17	ML17333B177
09.01.02-23	224	9011	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	9/12/17		11/29/17	ML17333B177
09.01.02-24	224	9011	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	9/12/17		11/29/17	ML17333B177
09.01.02-25	224	9011	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	9/12/17		11/29/17	ML17333B177
09.01.02-26	224	9011	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	9/12/17		11/29/17	ML17333B177
09.01.02-27	224	9011	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	9/12/17		11/29/17	ML17333B177
09.01.02-28	226	9062	Std. Design	N/A	Confirmatory Action	None		New and Spent Fuel Storage	SPSB	9/14/17	ML17257A149	10/23/17	ML17296A956
09.01.02-29	244	9013	Std. Design	N/A	Resolved - Closed	SER Open Item		New and Spent Fuel Storage	SEB	9/29/17		11/28/17	ML17332B020

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09.01.02-3	187	9014	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/18/17	ML17230A227	11/10/17	ML17314A029
09.01.02-30	244	9013	Std. Design	N/A	Resolved - Closed	SER Open Item		New and Spent Fuel Storage	SEB	9/29/17		11/28/17	ML17332B020
09.01.02-31	244	9013	Std. Design	N/A	Resolved - Closed	SER Open Item		New and Spent Fuel Storage	SEB	9/29/17		11/28/17	ML17332B020
09.01.02-32	244	9013	Std. Design	N/A	Resolved - Closed	SER Open Item		New and Spent Fuel Storage	SEB	9/29/17		2/26/18	ML18031B326
09.01.02-33	244	9013	Std. Design	N/A	Resolved - Closed	SER Open Item		New and Spent Fuel Storage	SEB	9/29/17		2/26/18	ML18031B326
09.01.02-34	244	9013	Std. Design	N/A	Resolved - Closed	SER Open Item		New and Spent Fuel Storage	SEB	9/29/17		2/26/18	ML18031B326
09.01.02-35	244	9013	Std. Design	N/A	Resolved - Closed	SER Open Item		New and Spent Fuel Storage	SEB	9/29/17		2/26/18	ML18031B326
09.01.02-36	396	9328	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SPSB	3/21/18		5/10/18	ML18127B722
09.01.02-4	187	9014	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/18/17	ML17230A227	11/10/17	ML17314A029
09.01.02-5	187	9014	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/18/17	ML17230A227	11/10/17	ML17314A029
09.01.02-6	187	9014	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/18/17	ML17230A227	11/10/17	ML17314A029
09.01.02-7	187	9014	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/18/17	ML17230A227	11/10/17	ML17314A029
09.01.02-8	187	9014	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/18/17	ML17230A227	11/10/17	ML17314A029
09.01.02-9	187	9014	Std. Design	N/A	Resolved - Closed	None		New and Spent Fuel Storage	SEB	8/18/17	ML17230A227	11/10/17	ML17314A029

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
09.01.03-1	261	9063	Std. Design	N/A	Confirmatory Action	None		Spent Fuel Pool Cooling and Cleanup System	SPSB	10/14/17		11/6/18	ML18310A436
09.01.03-1	261	9063	Std. Design	N/A	Confirmatory Action	None		Spent Fuel Pool Cooling and Cleanup System	SPSB	10/14/17		6/28/19	ML19179A102
09.01.03-2	261	9063	Std. Design	N/A	Confirmatory Action	None		Spent Fuel Pool Cooling and Cleanup System	SPSB	10/14/17		12/12/17	ML17346A580
09.01.03-3	299	9247	Std. Design	N/A	Resolved - Closed	SER Open Item		Spent Fuel Pool Cooling and Cleanup System	MCB	12/15/17		2/12/18	ML18043B173
09.01.03-4	299	9247	Std. Design	N/A	Resolved - Closed	SER Open Item		Spent Fuel Pool Cooling and Cleanup System	MCB	12/15/17		2/12/18	ML18043B173
09.01.03-5	299	9247	Std. Design	N/A	Resolved - Closed	SER Open Item		Spent Fuel Pool Cooling and Cleanup System	MCB	12/15/17		2/12/18	ML18043B173
09.01.03-6	299	9247	Std. Design	N/A	Resolved - Closed	SER Open Item		Spent Fuel Pool Cooling and Cleanup System	MCB	12/15/17		2/12/18	ML18043B173
09.01.04-1	95	8818	Std. Design	N/A	Resolved - Closed	None		Light Load Handling System (Related to Refueling)	SPSB	7/21/17	ML17202A013	9/19/17	ML17262B248
09.01.04-2	95	8818	Std. Design	N/A	Resolved - Closed	None		Light Load Handling System (Related to Refueling)	SPSB	7/21/17	ML17202A013	9/19/17	ML17262B248
09.01.04-3	95	8818	Std. Design	N/A	Resolved - Closed	None		Light Load Handling System (Related to Refueling)	SPSB	7/21/17	ML17202A013	9/19/17	ML17262B248
09.01.05-1	139	8833	Std. Design	N/A	Resolved - Closed	None		Overhead Heavy Load Handling Systems	SPSB	8/5/17	ML17217A010	10/4/17	ML17277B835
09.01.05-2	139	8833	Std. Design	N/A	Resolved - Closed	None		Overhead Heavy Load Handling Systems	SPSB	8/5/17	ML17217A010	10/4/17	ML17277B835
09.01.05-3	139	8833	Std. Design	N/A	Resolved - Closed	None		Overhead Heavy Load Handling Systems	SPSB	8/5/17	ML17217A010	10/4/17	ML17277B835
09.01.05-4	139	8833	Std. Design	N/A	Resolved - Closed	None		Overhead Heavy Load Handling Systems	SPSB	8/5/17	ML17217A010	10/4/17	ML17277B835
09.01.05-5	139	8833	Std. Design	N/A	Resolved - Closed	None		Overhead Heavy Load Handling Systems	SPSB	8/5/17	ML17217A010	10/4/17	ML17277B835

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09.01.05-6	139	8833	Std. Design	N/A	Resolved - Closed	None		Overhead Heavy Load Handling Systems	SPSB	8/5/17	ML17217A010	10/4/17	ML17277B835
09.02.02-1	86	8866	Std. Design	N/A	Resolved - Closed	None		Reactor Auxiliary Cooling Water Systems	SPSB	7/7/17	ML17188A434	8/14/17	ML17226A370
09.02.02-2	86	8866	Std. Design	N/A	Resolved - Closed	None		Reactor Auxiliary Cooling Water Systems	SPSB	7/7/17	ML17188A434	8/14/17	ML17226A370
09.02.02-3	86	8866	Std. Design	N/A	Resolved - Closed	None		Reactor Auxiliary Cooling Water Systems	SPSB	7/7/17	ML17188A434	8/14/17	ML17226A370
09.02.02-4	229	9101	Std. Design	N/A	Resolved - Closed	None		Reactor Auxiliary Cooling Water Systems	SPSB	9/14/17	ML17257A232	11/10/17	ML17314A025
09.02.02-4	229	9101	Std. Design	N/A	Resolved - Closed	None		Reactor Auxiliary Cooling Water Systems	SPSB	9/14/17	ML17257A232	12/12/17	ML17346B303
09.02.04-1	208	9074	Std. Design	N/A	Confirmatory Action	None		Potable and Sanitary Water Systems	SPSB	9/1/17	ML17244A837	10/31/17	ML17304B478
09.02.04-1	208	9074	Std. Design	N/A	Confirmatory Action	None		Potable and Sanitary Water Systems	SPSB	9/1/17	ML17244A837	7/9/18	ML18190A434
09.02.05-1	66	8880	Std. Design	N/A	Resolved - Closed	None	09.02.05-1	Ultimate Heat Sink	SPSB	6/20/17	ML17171A223	8/1/17	ML17213A270
09.02.05-2	77	8895	Std. Design	N/A	Resolved - Closed	None	09.02.05-2	Ultimate Heat Sink	SPSB	6/28/17	ML17179A610	8/23/17	ML17235B118
09.02.05-2	77	8895	Std. Design	N/A	Resolved - Closed	None	09.02.05-2	Ultimate Heat Sink	SPSB	6/28/17	ML17179A610	8/25/17	ML17241A217
09.02.06-1	85	8898	Std. Design	N/A	Confirmatory Action	None		Condensate Storage Facilities	SPSB	7/7/17	ML17188A433	8/28/17	ML17241A151
09.02.06-2	85	8898	Std. Design	N/A	Confirmatory Action	None		Condensate Storage Facilities	SPSB	7/7/17	ML17188A433	8/28/17	ML17241A151
09.02.06-3	85	8898	Std. Design	N/A	Resolved - Closed	None		Condensate Storage Facilities	SPSB	7/7/17	ML17188A433	8/28/17	ML17241A151
09.02.06-4	192	9067	Std. Design	N/A	Resolved - Closed	None		Condensate Storage Facilities	SPSB	8/19/17	ML17231A004	9/19/17	ML17262A629
09.02.06-5	192	9067	Std. Design	N/A	Resolved - Closed	None		Condensate Storage Facilities	SPSB	8/19/17	ML17231A004	9/19/17	ML17262A629

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09.02.07-1	104	8918	Std. Design	N/A	Resolved - Closed	None		Site Cooling Water System (NuScale SMR design)	SPSB	7/25/17	ML17206A176	9/6/17	ML17249A354
09.02.07-2	105	8920	Std. Design	N/A	Unresolved - Closed	None		Site Cooling Water System (NuScale SMR design)	SPSB	7/25/17	ML17206A177	9/25/17	ML17268A278
09.02.07-3	106	8919	Std. Design	N/A	Unresolved - Closed	None		Site Cooling Water System (NuScale SMR design)	SPSB	7/25/17	ML17206A179	9/25/17	ML17268A284
09.02.07-4	222	9116	Std. Design	N/A	Unresolved - Closed	None		Site Cooling Water System (NuScale SMR design)	SPSB	9/10/17	ML17255A734	11/13/17	ML17317B555
09.02.07-5	222	9116	Std. Design	N/A	Confirmatory Action	None		Site Cooling Water System (NuScale SMR design)	SPSB	9/10/17	ML17255A734	11/13/17	ML17317B555
09.02.07-6	385	9356	Std. Design	N/A	Resolved - Closed	None		Site Cooling Water System (NuScale SMR design)	SPSB	3/10/18		5/8/18	ML18128A179
09.02.09-1	199	9077	Std. Design	N/A	Resolved - Closed	None		Utility Water Systems (NuScale SMR design)	SPSB	8/25/17	ML17237C058	10/18/17	ML17291B329
09.02.09-2	199	9077	Std. Design	N/A	Resolved - Closed	None		Utility Water Systems (NuScale SMR design)	SPSB	8/25/17	ML17237C058	10/18/17	ML17291B329
09.03.02-1	205	9044	Std. Design	N/A	Unresolved - Closed	None		Process and Post-Accident Sampling Systems	RPAC	9/1/17	ML17244A287	10/31/17	ML17304B483
09.03.02-2	205	9044	Std. Design	N/A	Resolved - Closed	None		Process and Post-Accident Sampling Systems	RPAC	9/1/17	ML17244A287	10/31/17	ML17304B483
09.03.02-2	205	9044	Std. Design	N/A	Resolved - Closed	None		Process and Post-Accident Sampling Systems	RPAC	9/1/17	ML17244A287	7/31/19	ML19212A689
09.03.02-3	205	9044	Std. Design	N/A	Confirmatory Action	None		Process and Post-Accident Sampling Systems	RPAC	9/1/17	ML17244A287	7/31/19	ML19212A689
09.03.02-3	205	9044	Std. Design	N/A	Confirmatory Action	None		Process and Post-Accident Sampling Systems	RPAC	9/1/17	ML17244A287	9/16/19	ML19259B810
09.03.02-3	205	9044	Std. Design	N/A	Confirmatory Action	None		Process and Post-Accident Sampling Systems	RPAC	9/1/17	ML17244A287	10/31/17	ML17304B483
09.03.02-4	205	9044	Std. Design	N/A	Resolved - Closed	None		Process and Post-Accident Sampling Systems	RPAC	9/1/17	ML17244A287	10/31/17	ML17304B483
09.03.02-5	205	9044	Std. Design	N/A	Resolved - Closed	None		Process and Post-Accident Sampling Systems	RPAC	9/1/17	ML17244A287	10/31/17	ML17304B483

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09.03.02-6	205	9044	Std. Design	N/A	Resolved - Closed	None		Process and Post-Accident Sampling Systems	RPAC	9/1/17	ML17244A287	10/31/17	ML17304B483
09.03.02-7	205	9044	Std. Design	N/A	Resolved - Closed	None		Process and Post-Accident Sampling Systems	RPAC	9/1/17	ML17244A287	10/31/17	ML17304B483
09.03.02-8	205	9044	Std. Design	N/A	Resolved - Closed	None		Process and Post-Accident Sampling Systems	RPAC	9/1/17	ML17244A287	10/31/17	ML17304B483
09.03.03-1	163	8907	Std. Design	N/A	Resolved - Closed	None		Equipment and Floor Drainage System	SPSB	8/11/17	ML17223A123	9/26/17	ML17270A179
09.03.03-1	163	8907	Std. Design	N/A	Resolved - Closed	None		Equipment and Floor Drainage System	SPSB	8/11/17	ML17223A123	5/4/18	ML18124A108
09.03.03-1	163	8907	Std. Design	N/A	Resolved - Closed	None		Equipment and Floor Drainage System	SPSB	8/11/17	ML17223A123	3/15/18	ML18074A245
09.03.03-2	163	8907	Std. Design	N/A	Resolved - Closed	None		Equipment and Floor Drainage System	SPSB	8/11/17	ML17223A123	9/26/17	ML17270A179
09.03.03-3	163	8907	Std. Design	N/A	Resolved - Closed	None		Equipment and Floor Drainage System	SPSB	8/11/17	ML17223A123	9/26/17	ML17270A179
09.03.03-3	163	8907	Std. Design	N/A	Resolved - Closed	None		Equipment and Floor Drainage System	SPSB	8/11/17	ML17223A123	3/15/18	ML18074A245
09.03.03-4	163	8907	Std. Design	N/A	Resolved - Closed	None		Equipment and Floor Drainage System	SPSB	8/11/17	ML17223A123	3/15/18	ML18074A245
09.03.03-4	163	8907	Std. Design	N/A	Resolved - Closed	None		Equipment and Floor Drainage System	SPSB	8/11/17	ML17223A123	9/26/17	ML17270A179
09.03.04-1	2	8742	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Chemical and Volume Control System (PWR) (Including Boron Recovery System)	SRSB	4/24/17	ML17174B195	5/24/17	ML17144A449
09.03.04-10	305	9194	Std. Design	N/A	Resolved - Closed	None		Chemical and Volume Control System (PWR) (Including Boron Recovery System)	МСВ	12/19/17		2/5/18	ML18036B235
09.03.04-11	305	9194	Std. Design	N/A	Resolved - Closed	None		Chemical and Volume Control System (PWR) (Including Boron Recovery System)	МСВ	12/19/17		2/5/18	ML18036B235

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Application	Title:	NuScale S	tandard Des	sign Certificati	on - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
09.03.04-12	305	9194	Std. Design	N/A	Resolved - Closed	None		Chemical and Volume Control System (PWR) (Including Boron Recovery System)	MCB	12/19/17		2/5/18	ML18036B235
09.03.04-13	305	9194	Std. Design	N/A	Resolved - Closed	None		Chemical and Volume Control System (PWR) (Including Boron Recovery System)	MCB	12/19/17		2/5/18	ML18036B235
09.03.04-2	2	8742	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Chemical and Volume Control System (PWR) (Including Boron Recovery System)	SRSB	4/24/17	ML17174B195	5/24/17	ML17144A449
09.03.04-3	2	8742	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Chemical and Volume Control System (PWR) (Including Boron Recovery System)	SRSB	4/24/17	ML17174B195	5/24/17	ML17144A449
09.03.04-4	2	8742	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Chemical and Volume Control System (PWR) (Including Boron Recovery System)	SRSB	4/24/17	ML17174B195	5/24/17	ML17144A449
09.03.04-5	304	9189	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Chemical and Volume Control System (PWR) (Including Boron Recovery System)	SRSB	12/19/17		2/12/18	ML18043A162
09.03.04-6	304	9189	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Chemical and Volume Control System (PWR) (Including Boron Recovery System)	SRSB	12/19/17		2/12/18	ML18043A162
09.03.04-7	304	9189	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Chemical and Volume Control System (PWR) (Including Boron Recovery System)	SRSB	12/19/17		2/12/18	ML18043A162
09.03.04-8	305	9194	Std. Design	N/A	Resolved - Closed	None		Chemical and Volume Control System (PWR) (Including Boron Recovery System)	МСВ	12/19/17		2/5/18	ML18036B235

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81

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
09.03.04-9	305	9194	Std. Design	N/A	Resolved - Closed	None		Chemical and Volume Control System (PWR) (Including Boron Recovery System)	MCB	12/19/17		2/5/18	ML18036B235
09.03.06-1	84	8896	Std. Design	N/A	Confirmatory Action	None		Containment Evacuation and Flooding Systems	SCVB	7/7/17	ML17188A432	8/2/17	ML17214A898
09.03.06-2	103	8916	Std. Design	N/A	Confirmatory Action	None		Containment Evacuation and Flooding Systems	SCVB	7/25/17	ML17206A178	9/18/17	ML17261B286
09.03.06-2	103	8916	Std. Design	N/A	Confirmatory Action	None		Containment Evacuation and Flooding Systems	SCVB	7/25/17	ML17206A178	12/14/17	ML17348B522
09.03.06-3	103	8916	Std. Design	N/A	Confirmatory Action	None		Containment Evacuation and Flooding Systems	SCVB	7/25/17	ML17206A178	9/18/17	ML17261B286
09.03.06-4	103	8916	Std. Design	N/A	Confirmatory Action	None		Containment Evacuation and Flooding Systems	SCVB	7/25/17	ML17206A178	9/18/17	ML17261B286
09.04.01-1	158	8886	Std. Design	N/A	Resolved - Closed	None		Control Room Area Ventilation System	SCVB	8/8/17	ML17220A109	9/25/17	ML17268A396
09.04.02-1	140	8887	Std. Design	N/A	Resolved - Closed	None		Spent Fuel Pool Area Ventilation System	SPRA	8/5/17	ML17217A011	11/21/17	ML17325B265
09.04.02-1	140	8887	Std. Design	N/A	Resolved - Closed	None		Spent Fuel Pool Area Ventilation System	SPRA	8/5/17	ML17217A011	11/6/18	ML18310A437
09.05.01-1	125	8811	Std. Design	N/A	Unresolved - Closed	None		Fire Protection Program	SPSB	8/4/17	ML17216A838	9/19/17	ML17262B240
09.05.01-2	126	9048	Std. Design	N/A	Resolved - Closed	None		Fire Protection Program	SPSB	8/4/17	ML17216A839	9/25/17	ML17268A400
09.05.01-3	126	9048	Std. Design	N/A	Resolved - Closed	None		Fire Protection Program	SPSB	8/4/17	ML17216A839	9/25/17	ML17268A400
09.05.01-4	126	9048	Std. Design	N/A	Resolved - Closed	None		Fire Protection Program	SPSB	8/4/17	ML17216A839	9/25/17	ML17268A400
09.05.01-5	126	9048	Std. Design	N/A	Resolved - Closed	None		Fire Protection Program	SPSB	8/4/17	ML17216A839	9/25/17	ML17268A400
09.05.01-6	141	8924	Std. Design	N/A	Resolved - Closed	None		Fire Protection Program	SPSB	8/5/17	ML17217A012	9/25/17	ML17268A397

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
09.05.01-7	307	9226	Std. Design	N/A	Resolved - Closed	SER Open Item		Fire Protection Program	SPSB	12/19/17		2/15/18	ML18046B429
09.05.01-8	307	9226	Std. Design	N/A	Resolved - Closed	SER Open Item		Fire Protection Program	SPSB	12/19/17		2/15/18	ML18046B429
09.05.02-1	172	9040	Std. Design	N/A	Resolved - Closed	None		Communications Systems	ICE	8/12/17	ML17224A022	9/13/17	ML17256B269
09.05.03-1	108	8825	Std. Design	N/A	Resolved - Closed	None		Lighting Systems	EEB	7/27/17	ML17210A000	9/20/17	ML17263B241
09.05.03-2	363	9311	Std. Design	N/A	Confirmatory Action	None		Lighting Systems	EEB	2/7/18		3/19/18	ML18078B313
09.05.03-2	363	9311	Std. Design	N/A	Confirmatory Action	None		Lighting Systems	EEB	2/7/18		1/15/19	ML19015A398
09.05.03-2	363	9311	Std. Design	N/A	Confirmatory Action	None		Lighting Systems	EEB	2/7/18		11/19/18	ML18323A268
09.05.04-1	218	9054	Std. Design	N/A	Resolved - Closed	None		Emergency Diesel Engine Fuel Oil Storage and Transfer System	SPSB	9/9/17	ML17252B630	10/23/17	ML17296A954
10.02.03-1	225	9058	Std. Design	N/A	Unresolved - Closed	None		Turbine Rotor Integrity	МСВ	9/14/17	ML17257A147	1/9/18	ML17355A168
10.02.03-1	225	9058	Std. Design	N/A	Unresolved - Closed	None		Turbine Rotor Integrity	МСВ	9/14/17	ML17257A147	6/25/18	ML18176A394
10.02.03-1	225	9058	Std. Design	N/A	Unresolved - Closed	None		Turbine Rotor Integrity	МСВ	9/14/17	ML17257A147	6/25/18	ML18176A394
10.02.03-2	225	9058	Std. Design	N/A	Unresolved - Closed	None		Turbine Rotor Integrity	MCB	9/14/17	ML17257A147	6/25/18	ML18176A394
10.02.03-2	225	9058	Std. Design	N/A	Unresolved - Closed	None		Turbine Rotor Integrity	МСВ	9/14/17	ML17257A147	1/9/18	ML17355A168
10.02.03-2	225	9058	Std. Design	N/A	Unresolved - Closed	None		Turbine Rotor Integrity	MCB	9/14/17	ML17257A147	1/10/18	ML17355A168
10.02-1	59	8853	Std. Design	N/A	Unresolved - Closed	None	Closed	Turbine Generator	SPSB	6/8/17	ML17160A376	8/30/17	ML17220A368

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
10.02-2	59	8853	Std. Design	N/A	Unresolved - Closed	None	Closed	Turbine Generator	SPSB	6/8/17	ML17160A376	8/30/17	ML17220A368
10.02-3	369	9329	Std. Design	N/A	Resolved - Closed	None		Turbine Generator	SPSB	2/14/18		5/4/18	ML18101B401
10.03.06-1	243	9066	Std. Design	N/A	Resolved - Closed	SER Open Item		Steam and Feedwater System Materials	МСВ	9/27/17		11/22/17	ML17326B393
10.03.06-2	243	9066	Std. Design	N/A	Resolved - Closed	SER Open Item		Steam and Feedwater System Materials	МСВ	9/27/17		11/22/17	ML17326B393
10.03.06-3	243	9066	Std. Design	N/A	Resolved - Closed	SER Open Item		Steam and Feedwater System Materials	MCB	9/27/17		11/22/17	ML17326B393
10.03.06-4	243	9066	Std. Design	N/A	Resolved - Closed	SER Open Item		Steam and Feedwater System Materials	MCB	9/27/17		11/22/17	ML17326B393
10.03.06-5	370	9404	Std. Design	N/A	Resolved - Closed	None		Steam and Feedwater System Materials	MCB	2/21/18		5/4/18	ML18106A139
10.03.06-6	370	9404	Std. Design	N/A	Resolved - Closed	None		Steam and Feedwater System Materials	MCB	2/21/18		5/4/18	ML18106A139
10.03.06-6	370	9404	Std. Design	N/A	Resolved - Closed	None		Steam and Feedwater System Materials	MCB	2/21/18		4/16/18	ML18106A139
10.03.06-7	370	9404	Std. Design	N/A	Resolved - Closed	None		Steam and Feedwater System Materials	MCB	2/21/18		4/16/18	ML18106A139
10.03.06-7	370	9404	Std. Design	N/A	Resolved - Closed	None		Steam and Feedwater System Materials	MCB	2/21/18		5/4/18	ML18106A139
10.03-1	239	9075	Std. Design	N/A	Resolved - Closed	None		Main Steam Supply System	SPSB	9/27/17		11/22/17	ML17326B443
10.03-2	239	9075	Std. Design	N/A	Resolved - Closed	None		Main Steam Supply System	SPSB	9/27/17		11/22/17	ML17326B443
10.03-3	239	9075	Std. Design	N/A	Resolved - Closed	None		Main Steam Supply System	SPSB	9/27/17		11/22/17	ML17326B443
10.03-4	239	9075	Std. Design	N/A	Resolved - Closed	None		Main Steam Supply System	SPSB	9/27/17		1/10/18	ML17354A263

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
10.03-5	239	9075	Std. Design	N/A	Resolved - Closed	None		Main Steam Supply System	SPSB	9/27/17		11/22/17	ML17326B443
10.04.01-1	100	8906	Std. Design	N/A	Resolved - Closed	None		Main Condensers	SPSB	7/21/17	ML17202V135	9/28/17	ML17261B309
10.04.01-2	100	8906	Std. Design	N/A	Resolved - Closed	None		Main Condensers	SPSB	7/21/17	ML17202V135	9/28/17	ML17261B309
10.04.01-3	100	8906	Std. Design	N/A	Resolved - Closed	None		Main Condensers	SPSB	7/21/17	ML17202V135	9/28/17	ML17261B309
10.04.01-4	100	8906	Std. Design	N/A	Resolved - Closed	None		Main Condensers	SPSB	7/21/17	ML17202V135	9/28/17	ML17261B309
10.04.01-5	100	8906	Std. Design	N/A	Resolved - Closed	None		Main Condensers	SPSB	7/21/17	ML17202V135	9/28/17	ML17261B309
10.04.01-5	100	8906	Std. Design	N/A	Resolved - Closed	None		Main Condensers	SPSB	7/21/17	ML17202V135	1/10/18	ML17261B309
10.04.05-1	97	8878	Std. Design	N/A	Resolved - Closed	None		Circulating Water System	SPSB	7/21/17	ML17202G701	9/28/17	ML17262B208
10.04.05-2	97	8878	Std. Design	N/A	Resolved - Closed	None		Circulating Water System	SPSB	7/21/17	ML17202G701	9/28/17	ML17262B208
10.04.05-3	97	8878	Std. Design	N/A	Resolved - Closed	None		Circulating Water System	SPSB	7/21/17	ML17202G701	9/28/17	ML17262B208
10.04.06-1	265	9117	Std. Design	N/A	Resolved - Closed	SER Open Item		Condensate Cleanup System	МСВ	10/17/17		12/15/17	ML17349A838
10.04.06-2	265	9117	Std. Design	N/A	Resolved - Closed	SER Open Item		Condensate Cleanup System	MCB	10/17/17		12/15/17	ML17349A838
10.04.06-3	265	9117	Std. Design	N/A	Resolved - Closed	SER Open Item		Condensate Cleanup System	MCB	10/17/17		12/15/17	ML17349A838
10.04.06-4	265	9117	Std. Design	N/A	Resolved - Closed	SER Open Item		Condensate Cleanup System	MCB	10/17/17		12/15/17	ML17349A838

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
10.04.06-5	265	9117	Std. Design	N/A	Resolved - Closed	SER Open Item		Condensate Cleanup System	МСВ	10/17/17		12/15/17	ML17349A838
10.04.06-6	265	9117	Std. Design	N/A	Resolved - Closed	SER Open Item		Condensate Cleanup System	MCB	10/17/17		12/15/17	ML17349A838
10.04.06-7	467	9382	Std. Design	N/A	Resolved - Closed	SER Open Item		Condensate Cleanup System	MCB	5/7/18		5/14/18	ML18134A350
10.04.07-1	275	9122	Std. Design	N/A	Resolved - Closed	None		Condensate and Feedwater System	SPSB	11/3/17		12/15/17	ML17349B004
10.04.07-2	275	9122	Std. Design	N/A	Resolved - Closed	None		Condensate and Feedwater System	SPSB	11/3/17		12/15/17	ML17349B004
10.04.07-3	275	9122	Std. Design	N/A	Resolved - Closed	None		Condensate and Feedwater System	SPSB	11/3/17		12/15/17	ML17349B004
10.04.10-1	99	8905	Std. Design	N/A	Resolved - Closed	None		Auxiliary Steam System	SPSB	7/21/17	ML17202U684	10/16/17	ML17261B280
10.04.10-2	99	8905	Std. Design	N/A	Resolved - Closed	None		Auxiliary Steam System	SPSB	7/21/17	ML17202U684	10/16/17	ML17261B280
11.01-1	256	9161	Std. Design	N/A	Resolved - Closed	Confirma tory Item		Source Terms	RPAC	10/13/17		3/25/19	ML19084A313
11.01-1	256	9161	Std. Design	N/A	Resolved - Closed	Confirma tory Item		Source Terms	RPAC	10/13/17		8/30/18	ML18242A702
11.01-1	256	9161	Std. Design	N/A	Resolved - Closed	Confirma tory Item		Source Terms	RPAC	10/13/17		11/19/18	ML18323A269
11.01-2	356	9253	Std. Design	N/A	Resolved - Closed	None		Source Terms	RPAC	1/28/18		9/19/18	ML18262A252
11.01-2	356	9253	Std. Design	N/A	Resolved - Closed	None		Source Terms	RPAC	1/28/18		3/25/19	ML19084A314
11.01-2	356	9253	Std. Design	N/A	Resolved - Closed	None		Source Terms	RPAC	1/28/18		8/21/18	ML18233A515
11.02-1	80	8751	Std. Design	N/A	Resolved - Closed	None		Liquid Waste Management System	RPAC	7/7/17	ML17188A170	8/31/17	ML17244A106

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
11.02-2	322	9239	Std. Design	N/A	Resolved - Closed	None		Liquid Waste Management System	RPAC	1/8/18		8/17/18	ML18229A159
11.03-1	43	8753	Std. Design	N/A	Resolved - Closed	None		Gaseous Waste Management System	RPAC	6/2/17	ML17153A357	6/29/17	ML17180A902
11.03-2	44	8755	Std. Design	N/A	Resolved - Closed	None		Gaseous Waste Management System	RPAC	6/2/17	ML17153A380	10/16/17	ML17290A557
11.04-1	323	9251	Std. Design	N/A	Resolved - Closed	None		Solid Waste Management System	RPAC	1/8/18		2/8/18	ML18040A648
11.05-1	301	9236	Std. Design	N/A	Resolved - Closed	None		Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems	RPAC	12/15/17		2/6/18	ML18037A732
11.05-2	397	9238	Std. Design	N/A	Resolved - Closed	None		Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems	RPAC	3/21/18		5/21/18	ML18141A844
11.05-3	423	9252	Std. Design	N/A	Resolved - Closed	None		Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems	RPAC	4/13/18		5/30/18	ML18151B062
12.02-1	11	8759	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	4/25/17	ML17116A011	6/19/17	ML17170A366
12.02-1	11	8759	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	4/25/17	ML17116A011	3/21/18	ML18080A162
12.02-10	324	9256	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		8/13/18	ML18225A249
12.02-11	325	9268	Std. Design	N/A	Unresolved - Closed	None		Radiation Sources	RPAC	1/8/18		6/17/19	ML19168A244
12.02-11	325	9268	Std. Design	N/A	Unresolved - Closed	None		Radiation Sources	RPAC	1/8/18		7/22/19	ML19203A315
12.02-11	325	9268	Std. Design	N/A	Unresolved - Closed	None		Radiation Sources	RPAC	1/8/18		4/24/18	ML18114A371
12.02-12	326	9266	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		8/13/18	ML18225A286

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87

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Application	Title:	NuScale S	tandard Des	ign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
12.02-12	326	9266	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		3/5/18	ML18058A901
12.02-13	326	9266	Std. Design	N/A	Unresolved - Closed	None		Radiation Sources	RPAC	1/8/18		3/5/18	ML18058A901
12.02-13	326	9266	Std. Design	N/A	Unresolved - Closed	None		Radiation Sources	RPAC	1/8/18		3/5/18	ML18058A901
12.02-14	327	9257	Std. Design	N/A	Unresolved - Closed	None		Radiation Sources	RPAC	1/8/18		8/8/18	ML18220B407
12.02-15	328	9269	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		8/20/18	ML18234A508
12.02-15	328	9269	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		8/20/18	ML18234A508
12.02-15	328	9269	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		8/20/18	ML18234A508
12.02-16	328	9269	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		9/14/18	ML18234A508
12.02-16	328	9269	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		8/20/18	ML18234A508
12.02-17	328	9269	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		8/20/18	ML18234A508
12.02-17	328	9269	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		9/14/18	ML18324A508
12.02-18	328	9269	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		8/31/18	ML18234A508
12.02-18	328	9269	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		8/20/18	ML18234A508
12.02-19	329	9270	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		6/4/18	ML18155A622
12.02-2	55	8860	Std. Design	N/A	Unresolved - Closed	None		Radiation Sources	RPAC	6/7/17	ML17158B359	7/10/17	ML17191B211
12.02-20	329	9270	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		6/4/18	ML18155A622

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88

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
12.02-20	329	9270	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		11/19/18	ML18323A288
12.02-20	329	9270	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		9/5/18	ML18248A110
12.02-21	330	9271	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		9/5/18	ML18248A123
12.02-21	330	9271	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		2/15/18	ML18046A257
12.02-22	330	9271	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		2/15/18	ML18046A257
12.02-22	330	9271	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		9/5/18	ML18248A123
12.02-23	331	9283	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		3/13/18	ML18064A121
12.02-24	346	9291	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/28/18		2/27/18	ML18058A720
12.02-24	346	9291	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/28/18		11/28/18	ML18332A397
12.02-25	347	9299	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/28/18		3/28/18	ML18059B093
12.02-26	351	9259	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/28/18		2/14/18	ML18045A792
12.02-27	352	9260	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/28/18		2/19/18	ML18050A029
12.02-28	352	9260	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/28/18		2/19/18	ML18050A029
12.02-29	355	9258	Std. Design	N/A	Unresolved - Closed	None	Closed	Radiation Sources	RPAC	1/28/18		8/13/18	ML18225A285
12.02-3	308	9261	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	12/22/17		4/24/18	ML18114A370
12.02-30	355	9258	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/28/18		8/13/18	ML18225A285

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
12.02-31	445	9255	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	4/30/18		5/9/18	ML18129A415
12.02-32	508	9621	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	10/5/18		12/17/18	ML18351A203
12.02-33	511	9613	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	11/14/18		12/19/18	ML18351A390
12.02-34	515	9607	Std. Design	N/A	Resolved - Closed	SER Open Item		Radiation Sources	RPAC	10/2/18		5/9/19	ML19129A492
12.02-4	310	9264	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	12/22/17		8/23/18	ML18236A618
12.02-5	311	9265	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	12/22/17		7/11/18	ML18192C178
12.02-6	309	9263	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	12/22/17		9/19/18	ML18262A266
12.02-6	309	9263	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	12/22/17		1/22/18	ML18022A396
12.02-7	312	9267	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	12/22/17		9/5/18	ML18248A194
12.02-7	312	9267	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	12/22/17		2/1/18	ML18032A763
12.02-8	312	9267	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	12/22/17		2/1/18	ML18032A763
12.02-8	312	9267	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	12/22/17		9/19/18	ML18263A310
12.02-9	324	9256	Std. Design	N/A	Resolved - Closed	None		Radiation Sources	RPAC	1/8/18		8/13/18	ML18225A249
12.03-1	6	8775	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	4/25/17	ML17116A002	4/17/19	ML19107A468
12.03-1	6	8775	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	4/25/17	ML17116A002	6/26/17	ML17177A701
12.03-10	336	9289	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/12/18		2/15/18	ML18046A106

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
12.03-11	337	9286	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/12/18		2/21/18	ML18053A227
12.03-11	337	9286	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/12/18		8/13/18	ML18225A248
12.03-12	337	9286	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/12/18		2/21/18	ML18053A227
12.03-13	339	9275	Std. Design	N/A	Unresolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/18/18		3/16/18	ML18075A285
12.03-14	341	9302	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		8/27/18	ML18239A417
12.03-15	341	9302	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		8/27/18	ML18239A417
12.03-16	342	9293	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		3/21/18	ML18080A113
12.03-17	343	9298	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		8/22/18	ML18234A445
12.03-17	343	9298	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		12/12/18	ML18346A693
12.03-18	343	9298	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		8/22/18	ML18234A445
12.03-19	343	9298	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		8/22/18	ML18234A445
12.03-2	46	8787	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	6/2/17	ML17153A376	8/1/17	ML17213B400
12.03-20	343	9298	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		8/22/18	ML18234A445
12.03-21	344	9290	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		2/16/18	ML18047A189
12.03-22	344	9290	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		2/16/18	ML18047A189
12.03-23	345	9294	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		8/16/18	ML18228A861

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
12.03-23	345	9294	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		3/21/18	ML18080A127
12.03-24	345	9294	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		3/21/18	ML18080A127
12.03-25	345	9294	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		3/21/18	ML18080A127
12.03-25	345	9294	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		8/16/18	ML18228A861
12.03-26	345	9294	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		2/28/19	ML19059A477
12.03-26	345	9294	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		3/21/18	ML18080A127
12.03-27	345	9294	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		3/21/18	ML18080A127
12.03-27	345	9294	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/26/18		8/16/18	ML18228A861
12.03-28	348	9300	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		3/6/18	ML18066A112
12.03-29	349	9284	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		9/26/18	ML18269A363
12.03-29	349	9284	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		2/16/18	ML18047A750
12.03-3	46	8787	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	6/2/17	ML17153A376	8/1/17	ML17213B400
12.03-3	46	8787	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	6/2/17	ML17153A376	1/10/18	ML17213B400
12.03-30	349	9284	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		2/16/18	ML18047A750
12.03-31	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		5/16/18	ML18136A869
12.03-31	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		4/17/19	ML19107A472

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92

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
12.03-32	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		4/17/19	ML19107A472
12.03-32	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		5/16/18	ML18136A869
12.03-33	350	9278	Std. Design	N/A	Unresolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		5/16/18	ML18136A869
12.03-34	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		5/16/18	ML18136A869
12.03-34	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		4/17/19	ML19107A472
12.03-35	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		4/17/19	ML19107A472
12.03-35	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		5/16/18	ML18136A869
12.03-36	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		5/16/18	ML18136A869
12.03-36	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		4/17/19	ML19107A472
12.03-37	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		4/17/19	ML19107A472
12.03-37	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		5/16/18	ML18136A869
12.03-38	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		5/16/18	ML18136A869
12.03-38	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		4/17/19	ML19107A472
12.03-39	350	9278	Std. Design	N/A	Unresolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		4/17/19	ML19107A472
12.03-39	350	9278	Std. Design	N/A	Unresolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		5/16/18	ML18136A869
12.03-4	320	9280	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/4/18		8/21/18	ML18233A230

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
12.03-40	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		5/16/18	ML18136A869
12.03-40	350	9278	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/28/18		4/17/19	ML19107A472
12.03-41	361	9285	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/2/18		6/4/18	ML18155A540
12.03-41	361	9285	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/2/18		3/9/18	ML18068A633
12.03-42	361	9285	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/2/18		3/9/18	ML18068A633
12.03-43	366	9292	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/8/18		4/29/19	ML19119A348
12.03-43	366	9292	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/8/18		11/15/18	ML18319A292
12.03-43	366	9292	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/8/18		4/9/18	ML18099A365
12.03-44	366	9292	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/8/18		4/9/18	ML18099A365
12.03-44	366	9292	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/8/18		11/15/18	ML18319A292
12.03-45	366	9292	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/8/18		11/15/18	ML18319A292
12.03-45	366	9292	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/8/18		4/9/18	ML18099A365
12.03-46	366	9292	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/8/18		4/9/18	ML18099A365
12.03-46	366	9292	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/8/18		11/15/18	ML18319A292
12.03-47	366	9292	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/8/18		11/15/18	ML18319A292
12.03-47	366	9292	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/8/18		4/9/18	ML18099A365

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94

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Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
12.03-48	405	9277	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	4/2/18		5/23/18	ML18143B390
12.03-49	405	9277	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	4/2/18		5/23/18	ML18143B390
12.03-5	320	9280	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/4/18		8/21/18	ML18233A230
12.03-50	405	9277	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	4/2/18		5/23/18	ML18143B390
12.03-51	405	9277	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	4/2/18		5/23/18	ML18143B390
12.03-52	406	9303	Std. Design	N/A	Unresolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	4/2/18		5/29/18	ML18149A643
12.03-53	406	9303	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	4/2/18		5/29/18	ML18149A643
12.03-54	406	9303	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	4/2/18		5/29/18	ML18149A643
12.03-55	444	9295	Std. Design	N/A	Unresolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	4/30/18		5/8/18	ML18128A390
12.03-55	444	9295	Std. Design	N/A	Unresolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	4/30/18		8/23/18	ML18235A648
12.03-56	446	9281	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	4/30/18		8/23/18	ML18235A654
12.03-57	479	9279	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	5/14/18		8/21/18	ML18233A516
12.03-58	479	9279	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	5/14/18		6/5/18	ML18156A544
12.03-59	480	9297	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	5/14/18		8/21/18	ML18233A472
12.03-6	320	9280	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/4/18		8/21/18	ML18233A230
12.03-60	486	9296	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	6/1/18		6/11/18	ML18162A353

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95

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Application	Title:	NuScale S	tandard Des	ign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
12.03-61	493	8859	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	6/29/18		8/20/18	ML18232A561
12.03-62	517	9657	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	2/8/19		4/16/19	ML19106A454
12.03-63	519	9656	Std. Design	N/A	Unresolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	3/18/19		5/17/19	ML19137A287
12.03-64	523	9682	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RGRB	6/6/19		7/26/19	ML19207A534
12.03-65	523	9682	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RGRB	6/6/19		7/26/19	ML19207A534
12.03-66	523	9682	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RGRB	6/6/19		8/26/19	ML19238A366
12.03-67	523	9682	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RGRB	6/6/19		7/31/19	ML19212A762
12.03-7	332	9245	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/9/18		3/8/18	ML18067A788
12.03-7	332	9245	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/9/18		6/14/18	ML18165A463
12.03-8	332	9245	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/9/18		6/14/18	ML18165A463
12.03-8	332	9245	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/9/18		3/8/18	ML18067A788
12.03-9	335	9288	Std. Design	N/A	Resolved - Closed	None		12.04 - Radiation Protection Design Features	RPAC	1/10/18		3/12/18	ML18071A385
13.01.01-1	30	8828	Std. Design	N/A	Resolved - Closed	None		Management and Technical Support Organization	HOIB	5/26/17	ML17146B293	6/15/17	ML17166A309
13.01.01-1	30	8828	Std. Design	N/A	Resolved - Closed	None		Management and Technical Support Organization	HOIB	5/26/17	ML17146B293	10/9/17	ML17282A016
13.02.02-1	31	8829	Std. Design	N/A	Resolved - Closed	None		Non-Licensed Plant Staff Training	HOIB	5/26/17	ML17146B294	6/15/17	ML17166A294
13.03-1	102	8925	Std. Design	N/A	Resolved - Closed	None		Emergency Planning	EP	7/25/17	ML17206A098	9/21/17	ML17264B172

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
13.03-2	102	8925	Std. Design	N/A	Resolved - Closed	None		Emergency Planning	EP	7/25/17	ML17206A098	9/21/17	ML17264B172
13.03-3	102	8925	Std. Design	N/A	Resolved - Closed	None		Emergency Planning	EP	7/25/17	ML17206A098	9/21/17	ML17264B172
13.03-4	102	8925	Std. Design	N/A	Resolved - Closed	None		Emergency Planning	EP	7/25/17	ML17206A098	9/21/17	ML17264B172
13.05.02.01- 1	1	8738	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/11/17	ML17101A797	6/30/17	ML17181A433
13.05.02.01- 1	1	8738	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/11/17	ML17101A797	11/30/17	ML17334B821
13.05.02.01- 10	414	9430	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/11/18	ML18101A640	6/11/18	ML18162A358
13.05.02.01- 11	414	9430	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/11/18	ML18101A640	6/11/18	ML18162A358
13.05.02.01- 12	414	9430	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/11/18	ML18101A640	6/11/18	ML18162A358
13.05.02.01- 13	414	9430	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/11/18	ML18101A640	6/11/18	ML18162A358
13.05.02.01- 14	414	9430	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/11/18	ML18101A640	6/11/18	ML18162A358
13.05.02.01- 15	414	9430	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/11/18	ML18101A640	6/11/18	ML18162A358
13.05.02.01- 16	414	9430	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/11/18	ML18101A640	6/11/18	ML18162A358
13.05.02.01- 17	434	9427	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/25/18	ML18115A488	6/25/18	ML18176A169
13.05.02.01- 18	434	9427	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/25/18	ML18115A488	6/25/18	ML18176A169
13.05.02.01- 19	434	9427	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/25/18	ML18115A488	6/25/18	ML18176A169
13.05.02.01- 2	29	8827	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	5/26/17	ML17146B292	6/16/17	ML17167A332

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Application 1	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
13.05.02.01- 2	29	8827	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	5/26/17	ML17146B292	10/9/17	ML17282A017
13.05.02.01- 20	435	9434	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/25/18	ML18115A490	6/25/18	ML18176A272
13.05.02.01- 21	436	9435	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/25/18	ML18116A000	6/25/18	ML18176A255
13.05.02.01- 3	29	8827	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	5/26/17	ML17146B292	10/9/17	ML17282A017
13.05.02.01- 3	29	8827	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	5/26/17	ML17146B292	6/16/17	ML17167A332
13.05.02.01- 4	29	8827	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	5/26/17	ML17146B292	6/16/17	ML17167A332
13.05.02.01- 4	29	8827	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	5/26/17	ML17146B292	10/9/17	ML17282A017
13.05.02.01- 5	412	9433	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/10/18	ML18100A867	6/11/18	ML18162A350
13.05.02.01- 6	413	9432	Std. Design	N/A	Resolved - Closed	None		Operating and Emergency Operating Procedures	HOIB	4/10/18	ML18100B305	6/11/18	ML18162A347
13.05.02.01- 7	414	9430	Std. Design	N/A	Resolved - Closed	SER Open Item	Open Item 13.5-1	Operating and Emergency Operating Procedures	HOIB	4/11/18	ML18101A640	6/11/18	ML18162A358
13.05.02.01- 8	414	9430	Std. Design	N/A	Resolved - Closed	SER Open Item	Open Item 13.5-1	Operating and Emergency Operating Procedures	HOIB	4/11/18	ML18101A640	6/11/18	ML18162A358
13.05.02.01- 9	414	9430	Std. Design	N/A	Resolved - Closed	SER Open Item	Open Item 13.5-1	Operating and Emergency Operating Procedures	HOIB	4/11/18	ML18101A640	6/11/18	ML18162A358
13.06.02-1	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-1	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-1	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513

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Application ⁻	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
13.06.02-10	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-10	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-10	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-11	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-11	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-11	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-12	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-12	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-12	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-13	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-13	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-13	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-14	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-14	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-14	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-15	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513

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Application 7	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
13.06.02-15	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-15	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-16	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-16	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-16	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-17	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-17	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-17	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-18	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-18	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-18	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-2	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-2	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-2	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-3	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-3	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513

12/12/2019

**--Status is not a final determination by NRC.

100

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application 7	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
13.06.02-3	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-4	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-4	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-4	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-5	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-5	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-5	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-6	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-6	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-6	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-7	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
13.06.02-7	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-7	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-8	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-8	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
13.06.02-8	219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513

12/12/2019

**--Status is not a final determination by NRC.

101

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	1/10/18	ML17345A513
219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
219	8998	Std. Design	N/A	Resolved - Closed	None		Physical Security - Design Certification	NSIR/DR P/RSPLB	9/9/17	ML17252B631	12/12/17	ML17345A513
68	8740	Std. Design	N/A	Unresolved - Closed	None	Closed	Initial Plant Test Program - Design Certification and New License Applicants	QVIB	6/20/17	ML17171A225	8/30/17	ML17229B312
223	8978	Std. Design	N/A	Unresolved - Closed	None		Initial Plant Test Program - Design Certification and New License Applicants	EEB	9/11/17	ML17255A737	11/2/17	ML17306B390
223	8978	Std. Design	N/A	Resolved - Closed	None		Initial Plant Test Program - Design Certification and New License Applicants	EEB	9/11/17	ML17255A737	11/2/17	ML17306B390
269	9159	Std. Design	N/A	Resolved - Closed	None		Initial Plant Test Program - Design Certification and New License Applicants	SCVB	10/25/17		11/29/17	ML17333A709
283	9202	Std. Design	N/A	Resolved - Closed	None		Initial Plant Test Program - Design Certification and New License Applicants	QVIB	11/22/17		12/11/17	ML17345A947
288	9119	Std. Design	N/A	Resolved - Closed	None		Initial Plant Test Program - Design Certification and New License Applicants	SPSB	11/28/17		1/30/18	ML18029A291
383	9336	Std. Design	N/A	Resolved - Closed	None		Initial Plant Test Program - Design Certification and New License Applicants	EEB	3/10/18		5/4/18	ML18103A200
237	9002	Std. Design	N/A	Unresolved - Closed	SER Open Item		Structural and Systems Engineering - Inspections, Tests, Analyses, and Acceptance Criteria	SEB	9/25/17		1/10/18	ML17355A676
238	9004	Std. Design	N/A	Unresolved - Closed	SER Open Item		Structural and Systems Engineering - Inspections, Tests, Analyses, and Acceptance Criteria	SEB	9/25/17		11/16/17	ML17320B117
	NRC Letter No 219 219 219 68 223 269 283 288 383 237	NRC Letter No System RAI No 219 8998 219 8998 219 8998 219 8998 68 8740 223 8978 269 9159 283 9202 288 9119 383 9336 237 9002	NRC Letter No System RAI No Question Type 219 8998 Std. Design Design Design 219 8998 Std. Design Design 219 8998 Std. Design Design 68 8740 Std. Design 223 8978 Std. Design 269 9159 Std. Design 283 9202 Std. Design 288 9119 Std. Design 383 9336 Std. Design 237 9002 Std. Design 238 9004 Std. Design	NRC Letter No System RAI No Question Type Sensitivity 219 8998 Std. Design N/A N/A 219 8998 Std. Design N/A N/A 219 8998 Std. Design N/A N/A 68 8740 Std. Design N/A N/A 223 8978 Std. Design N/A N/A 269 9159 Std. Design N/A N/A 283 9202 Std. Design N/A N/A 288 9119 Std. Design N/A N/A 383 9336 Std. Design N/A N/A 237 9002 Std. Design N/A N/A	NRC Letter No System RAI No Question Type Sensitivity Question Status 219 8998 Std. Design N/A Resolved - Closed 219 8998 Std. Design N/A Resolved - Closed 219 8998 Std. 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Design N/A Resolved - Closed None None None New License Applicants Initial Plant Test Program Design Certification and New License Applica	NRC Letter No System CAI Type Question Type Question Status Issue Type Issue Number SRP Section Tech Branch 219 8998 Std. Design Desi	NRC Letter NoSystem RAI NoQuestion TypeSensitivityQuestion StatusIssue TypeIssue NumberSRP SectionTech RAI BranchRAI Branch Issue Date2198998Std. DesignN/AResolved - ClosedNonePhysical Security - Design CartificationNSIR/DR P/RSPLB9/9/172198998Std. DesignN/AResolved - ClosedNonePhysical Security - Design Physical Security - Design P/RSPLBNSIR/DR P/RSPLB9/9/172198998Std. DesignN/AResolved - ClosedNonePhysical Security - Design Physical Security - Design P/RSPLBNSIR/DR P/RSPLB9/9/17688740Std. DesignN/AUnresolved - ClosedNoneInitial Plant Test Program Design Certification and New License ApplicantsQVIB6/20/172238976Std. 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12/12/2019

 $\ensuremath{^{**}\text{--}}\text{Status}$ is not a final determination by NRC.

102

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
14.03.02-2	238	9004	Std. Design	N/A	Unresolved - Closed	SER Open Item		Structural and Systems Engineering - Inspections, Tests, Analyses, and Acceptance Criteria	SEB	9/25/17		10/22/18	ML18295A806
14.03.02-3	500	9563	Std. Design	N/A	Resolved - Closed	None		Structural and Systems Engineering - Inspections, Tests, Analyses, and Acceptance Criteria	SEB	8/28/18	ML18240A315	10/29/18	ML18302A407
14.03.02-4	501	9600	Std. Design	N/A	Resolved - Closed	None		Structural and Systems Engineering - Inspections, Tests, Analyses, and Acceptance Criteria	SEB	8/31/18	ML18243A293		
14.03.03-1	216	9087	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	9/8/17	ML17251A862	11/2/17	ML17306A530
14.03.03-10	372	9364	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	2/27/18		5/19/18	ML18110A359
14.03.03-10	372	9364	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	2/27/18		5/19/18	ML18110A359
14.03.03-11	416	9460	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	4/11/18		6/7/18	ML18158A507
14.03.03-11	416	9460	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	4/11/18		8/16/18	ML18228A860
14.03.03-2	217	9088	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	9/8/17	ML17251A863	11/7/17	ML17311B169

12/12/2019

**--Status is not a final determination by NRC.

103

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	Standard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
14.03.03-3	247	9132	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	9/29/17		5/24/18	ML18144A903
14.03.03-3	247	9132	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	9/29/17		2/7/19	ML19038A509
14.03.03-3	247	9132	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	9/29/17		11/21/17	ML17325B768
14.03.03-4	248	9133	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	9/29/17		11/21/17	ML17325B770
14.03.03-4	248	9133	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	9/29/17		2/7/19	ML19038A516
14.03.03-4	248	9133	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	9/29/17		5/24/18	ML18144A908
14.03.03-5	249	9135	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	9/29/17		11/21/17	ML17325B432
14.03.03-5	249	9135	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	9/29/17		6/11/18	ML18162A354
14.03.03-5	249	9135	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	9/29/17		12/20/18	ML18354B284

12/12/2019

**--Status is not a final determination by NRC.

104

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
14.03.03-5	249	9135	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	9/29/17		7/17/19	ML19198A325
14.03.03-6	279	9131	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	11/3/17		1/11/18	ML17361A136
14.03.03-6	279	9131	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	11/3/17		5/24/18	ML18144A918
14.03.03-7	280	9134	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	11/3/17		5/24/18	ML18144A958
14.03.03-7	280	9134	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	11/3/17		1/10/18	ML18002A420
14.03.03-8	372	9364	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	2/27/18		5/2/18	ML18110A359
14.03.03-9	372	9364	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	2/27/18		5/2/18	ML18110A359
14.03.03-9	372	9364	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	2/27/18		5/19/18	ML18110A359
14.03.03-9	372	9364	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	2/27/18		5/19/18	ML18110A359

12/12/2019

**--Status is not a final determination by NRC.

105

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
14.03.03-9	372	9364	Std. Design	N/A	Resolved - Closed	None		Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	MEB	2/27/18		7/26/18	ML18207A965
14.03.07-1	496	9571	Std. Design	N/A	Resolved - Closed	None		Plant Systems - Inspections, Tests, Analyses, and Acceptance Criteria	SPSB	8/3/18	ML18215A464	11/29/18	ML18333A228
14.03.08-1	509	9608	Std. Design	N/A	Resolved - Closed	None		Radiation Protection Inspections, Tests, Analyses, and Acceptance Criteria	RPAC	10/16/18	ML18296A234	3/21/19	ML19080A159
14.03.08-1	509	9608	Std. Design	N/A	Resolved - Closed	None		Radiation Protection Inspections, Tests, Analyses, and Acceptance Criteria	RPAC	10/16/18	ML18296A234	12/20/18	ML18354B151
14.03.09-1	45	8781	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering - Inspections, Tests, Analyses, and Acceptance Criteria	HOIB	6/2/17	ML17153A375	6/23/17	ML17172A712
14.03.09-2	45	8781	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering - Inspections, Tests, Analyses, and Acceptance Criteria	HOIB	6/2/17	ML17153A375	6/23/17	ML17172A712
14.03.09-3	45	8781	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering - Inspections, Tests, Analyses, and Acceptance Criteria	HOIB	6/2/17	ML17153A375	6/23/17	ML17172A712
14.03.09-4	431	9412	Std. Design	N/A	Unresolved - Closed	None		Human Factors Engineering - Inspections, Tests, Analyses, and Acceptance Criteria	HOIB	4/23/18		6/21/18	ML18172A320
14.03.09-5	505	9612	Std. Design	N/A	Resolved - Closed	SER Open Item		Human Factors Engineering - Inspections, Tests, Analyses, and Acceptance Criteria	HOIB	10/5/18	ML18288A257	3/14/19	ML19073A333

12/12/2019

**--Status is not a final determination by NRC.

106

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
14.03.09-5	505	9612	Std. Design	N/A	Resolved - Closed	SER Open Item		Human Factors Engineering - Inspections, Tests, Analyses, and Acceptance Criteria	HOIB	10/5/18	ML18288A257	3/14/19	ML19073A333
14.03.11-1	65	8864	Std. Design	N/A	Resolved - Closed	None		Containment Systems and Severe Accidents - Inspections, Tests, Analyses, and Acceptance Criteria	SCVB	6/20/17	ML17171A222	8/9/17	ML17221A139
14.03.11-1	65	8864	Std. Design	N/A	Resolved - Closed	None		Containment Systems and Severe Accidents - Inspections, Tests, Analyses, and Acceptance Criteria	SCVB	6/20/17	ML17171A222	8/9/17	ML17221A139
14.03.11-1	65	8864	Std. Design	N/A	Resolved - Closed	None		Containment Systems and Severe Accidents - Inspections, Tests, Analyses, and Acceptance Criteria	SCVB	6/20/17	ML17171A222	8/9/17	ML17221A139
14.03.11-2	65	8864	Std. Design	N/A	Resolved - Closed	None		Containment Systems and Severe Accidents - Inspections, Tests, Analyses, and Acceptance Criteria	SCVB	6/20/17	ML17171A222	8/9/17	ML17221A139
14.03.11-2	65	8864	Std. Design	N/A	Resolved - Closed	None		Containment Systems and Severe Accidents - Inspections, Tests, Analyses, and Acceptance Criteria	SCVB	6/20/17	ML17171A222	8/9/17	ML17221A139
14.03.11-2	65	8864	Std. Design	N/A	Resolved - Closed	None		Containment Systems and Severe Accidents - Inspections, Tests, Analyses, and Acceptance Criteria	SCVB	6/20/17	ML17171A222	8/9/17	ML17221A139

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**--Status is not a final determination by NRC.

107

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

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Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
14.03.12-1	212	8902	Std. Design	N/A	Resolved - Closed	None		Physical Security Hardware - Inspections, Tests, Analyses, and Acceptance Criteria	NSIR/DS P/RSRLB	9/1/17	ML17244A850	10/10/17	ML17283A273
14.03.12-2	212	8902	Std. Design	N/A	Resolved - Closed	None		Physical Security Hardware - Inspections, Tests, Analyses, and Acceptance Criteria	NSIR/DS P/RSRLB	9/1/17	ML17244A850	10/10/17	ML17283A273
14.03.12-3	212	8902	Std. Design	N/A	Resolved - Closed	None		Physical Security Hardware - Inspections, Tests, Analyses, and Acceptance Criteria	NSIR/DS P/RSRLB	9/1/17	ML17244A850	10/10/17	ML17283A273
14.03.12-4	212	8902	Std. Design	N/A	Resolved - Closed	None		Physical Security Hardware - Inspections, Tests, Analyses, and Acceptance Criteria	NSIR/DS P/RSRLB	9/1/17	ML17244A850	10/10/17	ML17283A273
14.03.12-5	212	8902	Std. Design	N/A	Resolved - Closed	None		Physical Security Hardware - Inspections, Tests, Analyses, and Acceptance Criteria	NSIR/DS P/RSRLB	9/1/17	ML17244A850	10/10/17	ML17283A273
14.03.12-6	212	8902	Std. Design	N/A	Resolved - Closed	None		Physical Security Hardware - Inspections, Tests, Analyses, and Acceptance Criteria	NSIR/DS P/RSRLB	9/1/17	ML17244A850	10/10/17	ML17283A273
14.03.12-7	212	8902	Std. Design	N/A	Resolved - Closed	None		Physical Security Hardware - Inspections, Tests, Analyses, and Acceptance Criteria	NSIR/DS P/RSRLB	9/1/17	ML17244A850	10/10/17	ML17283A273
14.03-1	240	8817	Std. Design	N/A	Unresolved - Closed	SER Open Item		Inspections, Tests, Analyses, and Acceptance Criteria	SRSB	9/27/17		12/18/17	ML17352B242
14.03-2	240	8817	Std. Design	N/A	Resolved - Closed	None		Inspections, Tests, Analyses, and Acceptance Criteria	SRSB	9/27/17		12/18/17	ML17352B242

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**--Status is not a final determination by NRC.

108

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
14.03-3	522	9681	Std. Design	N/A	Confirmatory Action	None		Inspections, Tests, Analyses, and Acceptance Criteria	LB1	5/21/19	ML19151A027	10/10/19	ML19283E530
14.03-3	522	9681	Std. Design	N/A	Confirmatory Action	None		Inspections, Tests, Analyses, and Acceptance Criteria	LB1	5/21/19	ML19151A027	7/19/19	ML19200A248
15.00.02-1	408	9325	Std. Design	N/A	Unresolved - Closed	SER Open Item		Review of Transient and Accident Analysis Methods 01/2006	SRSB	4/5/18		6/4/18	ML18155A623
15.00.02-1	408	9325	Std. Design	N/A	Unresolved - Closed	SER Open Item		Review of Transient and Accident Analysis Methods 01/2006	SRSB	4/5/18		2/14/19	ML19045A645
15.00.03-1	13	8774	Std. Design	N/A	Resolved - Closed	None		Design Basis Accidents Radiological Consequence Analyses for Advanced Light Water Reactors	RPAC	4/25/17	ML17116A013	5/24/17	ML17144A451
15.00.03-2	13	8774	Std. Design	N/A	Resolved - Closed	None		Design Basis Accidents Radiological Consequence Analyses for Advanced Light Water Reactors	RPAC	4/25/17	ML17116A013	5/24/17	ML17144A451
15.00.03-3	76	8792	Std. Design	N/A	Resolved - Closed	None		Design Basis Accidents Radiological Consequence Analyses for Advanced Light Water Reactors	RPAC	6/28/17	ML17179A604	1/10/18	ML17213B267
15.00.03-4	76	8792	Std. Design	N/A	Resolved - Closed	None		Design Basis Accidents Radiological Consequence Analyses for Advanced Light Water Reactors	RPAC	6/28/17	ML17179A604	1/10/18	ML17213B267
15.00.03-5	76	8792	Std. Design	N/A	Resolved - Closed	None		Design Basis Accidents Radiological Consequence Analyses for Advanced Light Water Reactors	RPAC	6/28/17	ML17179A604	1/10/18	ML17213B267
15.00.03-6	76	8792	Std. Design	N/A	Resolved - Closed	None		Design Basis Accidents Radiological Consequence Analyses for Advanced Light Water Reactors	RPAC	6/28/17	ML17179A604	1/10/18	ML17213B267

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**--Status is not a final determination by NRC.

109

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	ign Certificati	on - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15.00.03-7	93	8897	Std. Design	N/A	Resolved - Closed	None		Design Basis Accidents Radiological Consequence Analyses for Advanced Light Water Reactors	RPAC	7/13/17	ML17194A856	8/10/17	ML17222A145
15.00.03-8	155	8941	Std. Design	N/A	Resolved - Closed	None		Design Basis Accidents Radiological Consequence Analyses for Advanced Light Water Reactors	RPAC	8/8/17		10/9/17	ML17282A025
15.01.01-1	263	9141	Std. Design	N/A	Confirmatory Action	None		15.01.04 - Decrease in FW Temperature, Increase in FW Flow, Increase in Steam Flow, and Inadvertent Opening of a SG Relief or Safety Valve	SRSB	10/16/17	ML17289A505	11/7/17	ML17311B262
15.01.01-10	473	9483	Std. Design	N/A	Resolved - Closed	None		15.01.04 - Decrease in FW Temperature, Increase in FW Flow, Increase in Steam Flow, and Inadvertent Opening of a SG Relief or Safety Valve	SRSB	5/11/18		7/10/18	ML18191B325
15.01.01-2	473	9483	Std. Design	SUNSI (for tracking only)	Resolved - Closed	None		15.01.04 - Decrease in FW Temperature, Increase in FW Flow, Increase in Steam Flow, and Inadvertent Opening of a SG Relief or Safety Valve	SRSB	5/11/18		7/10/18	ML18191B325
15.01.01-3	473	9483	Std. Design	N/A	Resolved - Closed	None		15.01.04 - Decrease in FW Temperature, Increase in FW Flow, Increase in Steam Flow, and Inadvertent Opening of a SG Relief or Safety Valve	SRSB	5/11/18			
15.01.01-4	473	9483	Std. Design	N/A	Resolved - Closed	None		15.01.04 - Decrease in FW Temperature, Increase in FW Flow, Increase in Steam Flow, and Inadvertent Opening of a SG Relief or Safety Valve	SRSB	5/11/18		7/10/18	ML18191B325

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question

In Evaluation - The applicant has provided a response to the question and it is in evaluation by the NRC. **Confirmatory Action** - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

**--Status is not a final determination by NRC.

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.

12/12/2019

Unresolved - Closed - The applicant has provided a response to the question, but the response did not adequately resolve the issue and the staff has issued a follow-up question.

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Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15.01.01-5	473	9483	Std. Design	N/A	Confirmatory Action	None		15.01.04 - Decrease in FW Temperature, Increase in FW Flow, Increase in Steam Flow, and Inadvertent Opening of a SG Relief or Safety Valve	SRSB	5/11/18		7/10/18	ML18191B325
15.01.01-5	473	9483	Std. Design	N/A	Confirmatory Action	None		15.01.04 - Decrease in FW Temperature, Increase in FW Flow, Increase in Steam Flow, and Inadvertent Opening of a SG Relief or Safety Valve	SRSB	5/11/18		2/11/19	ML19042A685
15.01.01-6	473	9483	Std. Design	N/A	Resolved - Closed	None		15.01.04 - Decrease in FW Temperature, Increase in FW Flow, Increase in Steam Flow, and Inadvertent Opening of a SG Relief or Safety Valve	SRSB	5/11/18		7/10/18	ML18191B325
15.01.01-7	473	9483	Std. Design	SUNSI (for tracking only)	Confirmatory Action	None		15.01.04 - Decrease in FW Temperature, Increase in FW Flow, Increase in Steam Flow, and Inadvertent Opening of a SG Relief or Safety Valve	SRSB	5/11/18		7/10/18	ML18191B325
15.01.01-8	473	9483	Std. Design	N/A	Resolved - Closed	None		15.01.04 - Decrease in FW Temperature, Increase in FW Flow, Increase in Steam Flow, and Inadvertent Opening of a SG Relief or Safety Valve	SRSB	5/11/18			
15.01.01-9	473	9483	Std. Design	N/A	Resolved - Closed	None		15.01.04 - Decrease in FW Temperature, Increase in FW Flow, Increase in Steam Flow, and Inadvertent Opening of a SG Relief or Safety Valve	SRSB	5/11/18		7/10/18	ML18191B325

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111

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Application	Title:	NuScale S	tandard Des	sign Certificati	on - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15.01.05-1	10	8743	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Steam System Piping Failures Inside and Outside of Containment (PWR)	SRSB	4/25/17	ML17116A010	6/20/17	ML17166A533
15.01.05-2	456	9478	Std. Design	N/A	Confirmatory Action	None		Steam System Piping Failures Inside and Outside of Containment (PWR)	SRSB	5/1/18		6/29/18	ML18180A323
15.01.05-2	456	9478	Std. Design	N/A	Confirmatory Action	None		Steam System Piping Failures Inside and Outside of Containment (PWR)	SRSB	5/1/18		11/29/18	ML18333A321
15.01.05-3	456	9478	Std. Design	N/A	Resolved - Closed	None		Steam System Piping Failures Inside and Outside of Containment (PWR)	SRSB	5/1/18		6/29/18	ML18180A323
15.02.01-1	394	9407	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	3/21/18			
15.02.01-10	394	9407	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	3/21/18			
15.02.01-11	394	9407	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	3/21/18			

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112

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Application	Title:	NuScale S	tandard Des	ign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15.02.01-12	394	9407	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	3/21/18			
15.02.01-13	415	9472	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	4/11/18		6/11/18	ML18162A037
15.02.01-14	415	9472	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	4/11/18		6/11/18	ML18162A037
15.02.01-2	394	9407	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	3/21/18			
15.02.01-3	394	9407	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	3/21/18			

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113

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Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15.02.01-4	394	9407	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	3/21/18			
15.02.01-5	394	9407	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	3/21/18			
15.02.01-6	394	9407	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	3/21/18			
15.02.01-7	394	9407	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	3/21/18			
15.02.01-8	394	9407	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	3/21/18			

12/12/2019

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114

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

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Application	Title:	NuScale S	tandard Des	sign Certificati	on - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15.02.01-9	394	9407	Std. Design	N/A	Resolved - Closed	None		15.02.05 - Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	SRSB	3/21/18			
15.02.06-1	395	9416	Std. Design	N/A	Resolved - Closed	None		Loss of Non-Emergency AC Power to the Station Auxiliaries	SRSB	3/21/18		5/21/18	ML18141A886
15.02.06-2	395	9416	Std. Design	N/A	Resolved - Closed	None		Loss of Non-Emergency AC Power to the Station Auxiliaries	SRSB	3/21/18		5/21/18	ML18141A886
15.02.06-3	395	9416	Std. Design	N/A	Resolved - Closed	None		Loss of Non-Emergency AC Power to the Station Auxiliaries	SRSB	3/21/18		5/21/18	ML18141A886
15.02.06-4	455	9473	Std. Design	N/A	Resolved - Closed	None		Loss of Non-Emergency AC Power to the Station Auxiliaries	SRSB	5/1/18		6/26/18	ML18177A453
15.02.07-1	443	9450	Std. Design	N/A	Resolved - Closed	None		Loss of Normal Feedwater Flow	SRSB	4/30/18		6/29/18	ML18180A423
15.02.08-1	3	8744	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Feedwater System Pipe Breaks Inside and Outside Containment (PWR)	SRSB	4/25/17	ML17116A000	6/23/17	ML17172A716
15.02.08-1	3	8744	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Feedwater System Pipe Breaks Inside and Outside Containment (PWR)	SRSB	4/25/17	ML17116A000	6/23/17	ML17172A716
15.02.08-1	3	8744	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Feedwater System Pipe Breaks Inside and Outside Containment (PWR)	SRSB	4/25/17	ML17116A000	6/19/18	ML18170A330

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115

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Application	Title:	NuScale S	tandard Des	sign Certificati	on - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15.02.08-2	3	8744	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Feedwater System Pipe Breaks Inside and Outside Containment (PWR)	SRSB	4/25/17	ML17116A000	6/23/17	ML17172A716
15.02.08-2	3	8744	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Feedwater System Pipe Breaks Inside and Outside Containment (PWR)	SRSB	4/25/17	ML17116A000	6/23/17	ML17172A716
15.02.08-3	3	8744	Std. Design	SUNSI - Standard (for tracking only)	Unresolved - Closed	None		Feedwater System Pipe Breaks Inside and Outside Containment (PWR)	SRSB	4/25/17	ML17116A000	6/23/17	ML17172A716
15.02.08-3	3	8744	Std. Design	SUNSI - Standard (for tracking only)	Unresolved - Closed	None		Feedwater System Pipe Breaks Inside and Outside Containment (PWR)	SRSB	4/25/17	ML17116A000	6/23/17	ML17172A716
15.02.08-4	3	8744	Std. Design	SUNSI - Standard (for tracking only)	Unresolved - Closed	None	Closed	Feedwater System Pipe Breaks Inside and Outside Containment (PWR)	SRSB	4/25/17	ML17116A000	6/23/17	ML17172A716
15.02.08-4	3	8744	Std. Design	SUNSI - Standard (for tracking only)	Unresolved - Closed	None	Closed	Feedwater System Pipe Breaks Inside and Outside Containment (PWR)	SRSB	4/25/17	ML17116A000	6/23/17	ML17172A716
15.04.01-1	7	8763	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition	SRSB	4/25/17	ML17116A015	5/24/17	ML17144A453
15.04.01-2	7	8763	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition	SRSB	4/25/17	ML17116A015	5/24/17	ML17144A453
15.04.01-3	321	9092	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition	SRSB	1/4/18		2/21/18	ML18052B072

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116

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Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15.04.01-3	321	9092	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition	SRSB	1/4/18		7/2/18	ML18183A586
15.04.01-4	474	9507	Std. Design	SUNSI (for tracking only)	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition	SRSB	5/11/18		7/10/18	ML18191B329
15.04.01-4	474	9507	Std. Design	SUNSI (for tracking only)	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition	SRSB	5/11/18		11/28/18	ML18332A447
15.04.01-5	474	9507	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition	SRSB	5/11/18		2/21/19	ML19052A607
15.04.01-5	474	9507	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition	SRSB	5/11/18		7/10/18	ML18191B328
15.04.01-6	474	9507	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition	SRSB	5/11/18		7/10/18	ML18191B328
15.04.01-6	474	9507	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition	SRSB	5/11/18		11/28/18	ML18332A447
15.04.02-1	8	8764	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal at Power	SRSB	4/25/17	ML17116A005 ML17116A006	5/24/17	ML17144A450
15.04.02-1	8	8764	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal at Power	SRSB	4/25/17	ML17116A005 ML17116A006	9/15/17	ML17258B105

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117

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Application	Title:	NuScale S	tandard Des	sign Certificati	on - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15.04.02-2	8	8764	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal at Power	SRSB	4/25/17	ML17116A005 ML17116A006	5/24/17	ML17144A450
15.04.02-3	409	9509	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal at Power	SRSB	4/5/18		5/24/18	ML18145A147
15.04.02-4	409	9509	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal at Power	SRSB	4/5/18		5/24/18	ML18145A147
15.04.02-5	418	9511	Std. Design	N/A	Resolved - Closed	None		Uncontrolled Control Rod Assembly Withdrawal at Power	SRSB	4/11/18		5/25/18	ML18145A151
15.04.03-1	9	8765	Std. Design	N/A	Resolved - Closed	None		Control Rod Misoperation (System Malfunction or Operator Error)	SRSB	4/25/17	ML17116A007	5/24/17	ML17144A452
15.04.03-2	422	9512	Std. Design	SUNSI (for tracking only)	Resolved - Closed	None		Control Rod Misoperation (System Malfunction or Operator Error)	SRSB	4/13/18		6/12/18	ML18163A420
15.04.03-3	422	9512	Std. Design	SUNSI (for tracking only)	Resolved - Closed	None		Control Rod Misoperation (System Malfunction or Operator Error)	SRSB	4/13/18		6/12/18	ML18163A420
15.04.03-4	422	9512	Std. Design	N/A	Resolved - Closed	None		Control Rod Misoperation (System Malfunction or Operator Error)	SRSB	4/13/18		6/12/18	ML18163A420
15.04.03-5	422	9512	Std. Design	SUNSI (for tracking only)	Resolved - Closed	None		Control Rod Misoperation (System Malfunction or Operator Error)	SRSB	4/13/18		6/12/18	ML18163A420
15.04.03-6	422	9512	Std. Design	N/A	Resolved - Closed	None		Control Rod Misoperation (System Malfunction or Operator Error)	SRSB	4/13/18		6/12/18	ML18163A420
15.04.06-1	41	8844	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Inadvertent Decrease in Boron Concentration in the Reactor Coolant (PWR)	SRSB	5/26/17	ML17146B361	9/13/17	ML17256B188

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118

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Application	Title:	NuScale S	tandard Des	ign Certificati	on - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15.04.06-2	41	8844	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Inadvertent Decrease in Boron Concentration in the Reactor Coolant (PWR)	SRSB	5/26/17	ML17146B361	7/18/17	ML17200A105
15.04.06-3	41	8844	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Inadvertent Decrease in Boron Concentration in the Reactor Coolant (PWR)	SRSB	5/26/17	ML17146B361	9/13/17	ML17256B188
15.04.07-1	449	9497	Std. Design	N/A	Resolved - Closed	None		Inadvertent Loading and Operation of a Fuel Assembly in an Improper Position	SRSB	5/1/18		7/2/18	ML18183A598
15.04.07-2	449	9497	Std. Design	N/A	Resolved - Closed	None		Inadvertent Loading and Operation of a Fuel Assembly in an Improper Position	SRSB	5/1/18		7/2/18	ML18183A598
15.04.07-3	464	9504	Std. Design	SUNSI (for tracking only)	Resolved - Closed	None		Inadvertent Loading and Operation of a Fuel Assembly in an Improper Position	SRSB	5/3/18		6/28/18	ML18179A521
15.06.02-1	24	8746	Std. Design	SUNSI - Standard (for tracking only)	Confirmatory Action	None		Radiological Consequences of the Failure of Small Lines Carrying Primary Coolant Outside Containment	SRSB	5/16/17	ML17136A334	6/20/17	ML17166A542
15.06.03-1	5	8766	Std. Design	N/A	Resolved - Closed	None		Radiological Consequences of Steam Generator Tube Failure (PWR) 07/1981	SRSB	4/25/17	ML17116A001	5/24/17	ML17144A448
15.06.03-2	138	8794	Std. Design	N/A	Unresolved - Closed	None	Closed	Radiological Consequences of Steam Generator Tube Failure (PWR) 07/1981	SRSB	8/5/17	ML17217A009	9/11/17	ML17254A552
15.06.03-2	138	8794	Std. Design	N/A	Unresolved - Closed	None	Closed	Radiological Consequences of Steam Generator Tube Failure (PWR) 07/1981	SRSB	8/5/17	ML17217A009	6/29/18	ML18180A415
15.06.03-2	138	8794	Std. Design	N/A	Unresolved - Closed	None	Closed	Radiological Consequences of Steam Generator Tube Failure (PWR) 07/1981	SRSB	8/5/17	ML17217A009	6/29/18	ML18180A415

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119

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15.06.03-3	315	9237	Std. Design	SUNSI (for tracking only)	Unresolved - Closed	None		Radiological Consequences of Steam Generator Tube Failure (PWR) 07/1981	SRSB	12/29/17	ML17363A439	2/2/18	ML18033A119
15.06.03-4	481	9368	Std. Design	N/A	Resolved - Closed	SER Open Item		Radiological Consequences of Steam Generator Tube Failure (PWR) 07/1981	SRSB	5/19/18		7/20/18	ML18201A359
15.06.05-1	34	8785	Std. Design	N/A	Unresolved - Closed	None	Closed	Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	SRSB	5/26/17	ML17146B301	7/19/17	ML17200D072
15.06.05-10	478	9470	Std. Design	N/A	Resolved - Closed	SER Open Item		Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	SRSB	5/12/18		12/21/18	ML18355A786
15.06.05-10	478	9470	Std. Design	N/A	Resolved - Closed	SER Open Item		Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	SRSB	5/12/18		4/15/19	ML19105B074
15.06.05-2	35	8786	Std. Design	N/A	Resolved - Closed	None		Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	SRSB	5/26/17	ML17146B303	7/17/17	ML17198K125
15.06.05-3	364	9248	Std. Design	N/A	Resolved - Closed	SER Open Item		Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	SRSB	2/7/18		4/9/18	ML18099A379
15.06.05-4	364	9248	Std. Design	N/A	Resolved - Closed	None		Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	SRSB	2/7/18		4/9/18	ML18099A379

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120

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15.06.05-5	442	9479	Std. Design	N/A	Resolved - Closed	SER Open Item		Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	SRSB	4/30/18		12/26/18	ML18355A823
15.06.05-6	451	9517	Std. Design	N/A	Unresolved - Closed	SER Open Item		Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	SRSB	5/1/18		9/28/18	ML18271A140
15.06.05-7	452	9518	Std. Design	N/A	Resolved - Closed	SER Open Item		Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	SRSB	5/1/18		6/28/19	ML18179A526
15.06.05-8	460	9481	Std. Design	N/A	Confirmatory Action	None		Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	SRSB	5/2/18		9/28/18	ML18271A152
15.06.05-9	470	9471	Std. Design	N/A	Resolved - Closed	SER Open Item		Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	SRSB	5/10/18		8/6/18	ML18219B327
15.06.05-9	470	9471	Std. Design	N/A	Resolved - Closed	SER Open Item		Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	SRSB	5/10/18		8/6/18	ML18219B327
15.06.06-1	17	8767	Std. Design	SUNSI - Standard (for tracking only)	Resolved - Closed	None		Inadvertent Operation of the Emergency Core Cooling System (ECCS)	SRSB	5/8/17	ML17128A125	6/20/17	ML17166A541
15.06.06-2	371	9373	Std. Design	N/A	Unresolved - Closed	None		Inadvertent Operation of the Emergency Core Cooling System (ECCS)	SRSB	2/27/18		9/21/18	ML18264A335

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121

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15.09-1	437	9465	Std. Design	N/A	Resolved - Closed	SER Open Item		A.DSRS NuScale Thermal Hydraulic Stability	SRSB	4/26/18		9/10/18	ML18253A286
15.09-2	438	9491	Std. Design	N/A	Resolved - Closed	None		A.DSRS NuScale Thermal Hydraulic Stability	SRSB	4/26/18		2/28/19	ML19059A478
15.09-2	438	9491	Std. Design	N/A	Resolved - Closed	None		A.DSRS NuScale Thermal Hydraulic Stability	SRSB	4/26/18		9/14/18	ML18257A305
15.09-3	439	9510	Std. Design	N/A	Resolved - Closed	None		A.DSRS NuScale Thermal Hydraulic Stability	SRSB	4/26/18		9/14/18	ML18257A306
15-1	28	8771	Std. Design	SUNSI (for tracking only)	Unresolved - Closed	None	Closed	Introduction - Transient and Accident Analyses	SRSB	5/26/17	ML17146B291	7/24/17	ML17205A649
15-1	28	8771	Std. Design	SUNSI (for tracking only)	Unresolved - Closed	None	Closed	Introduction - Transient and Accident Analyses	SRSB	5/26/17	ML17146B291	12/16/17	ML17352B249
15-10	453	9500	Std. Design	N/A	Confirmatory Action	None		Introduction - Transient and Accident Analyses	SRSB	5/1/18		6/18/18	ML18169A430
15-10	453	9500	Std. Design	N/A	Confirmatory Action	None		Introduction - Transient and Accident Analyses	SRSB	5/1/18		7/18/18	ML18199A301
15-11	454	9499	Std. Design	N/A	Confirmatory Action	None		Introduction - Transient and Accident Analyses	SRSB	5/1/18		6/28/18	ML18180A165
15-12	457	9501	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/2/18		6/12/18	ML18163A405
15-12	457	9501	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/2/18		1/11/19	ML19011A310
15-13	458	9522	Std. Design	N/A	Unresolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/2/18		5/1/19	ML18355A867
15-14	459	9523	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/2/18		12/21/18	ML18355A921
15-15	461	9503	Std. Design	N/A	Confirmatory Action	None		Introduction - Transient and Accident Analyses	SRSB	5/2/18		6/18/18	ML18169A414
15-16	462	9495	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/2/18		6/27/18	ML18178A418

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122

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15-17	468	9420	Std. Design	N/A	Confirmatory Action	None		Introduction - Transient and Accident Analyses	SRSB	5/10/18		7/9/18	ML18190A509
15-17	468	9420	Std. Design	N/A	Confirmatory Action	None		Introduction - Transient and Accident Analyses	SRSB	5/10/18		11/20/18	ML18324A889
15-18	469	9505	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/10/18		7/9/18	ML18190A449
15-19	471	9496	Std. Design	N/A	Unresolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/10/18		7/9/18	ML18190A458
15-2	36	8815	Std. Design	SUNSI - Standard (for tracking only)	Unresolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/26/17	ML17142A249	3/5/18	ML18065B273
15-2	36	8815	Std. Design	SUNSI - Standard (for tracking only)	Unresolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/26/17	ML17142A249	7/21/17	ML17202V093
15-20	476	9489	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/12/18		7/13/18	ML18194A952
15-21	477	9488	Std. Design	N/A	Unresolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/12/18		7/12/18	ML18193B180
15-22	483	9516	Std. Design	N/A	Confirmatory Action	None		Introduction - Transient and Accident Analyses	SRSB	5/25/18		8/10/18	ML18222A506
15-23	483	9516	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/25/18		8/10/18	ML18222A506
15-23	483	9516	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/25/18		12/21/18	ML18355A972
15-24	483	9516	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/25/18		12/21/18	ML18355A972
15-24	483	9516	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/25/18		8/10/18	ML18222A506
15-25	483	9516	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/25/18		8/10/18	ML18222A506
15-25	483	9516	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/25/18		12/21/18	ML18355A972

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Application	Title:	NuScale S	tandard Des	ign Certificati	on - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15-26	483	9516	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/25/18		12/21/18	ML18355A972
15-26	483	9516	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/25/18		7/31/19	ML19212A373
15-27	484	8930	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/28/18		9/14/18	ML18257A307
15-27	484	8930	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/28/18		11/27/19	ML19332A120
15-27	484	8930	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/28/18		7/18/19	ML19199A118
15-28	488	9525	Std. Design	N/A	Unresolved - Closed	SER Open Item		Introduction - Transient and Accident Analyses	SRSB	6/15/18		8/14/18	ML18226A355
15-29	516	9647	Std. Design	N/A	Resolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	1/3/19		7/15/19	ML19196A368
15-3	285	9205	Std. Design	SUNSI - Standard (for tracking only)	Unresolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	11/22/17		2/8/19	ML18023A131
15-4	419	9502	Std. Design	N/A	Confirmatory Action	None		Introduction - Transient and Accident Analyses	SRSB	4/11/18		6/1/18	ML18152B854
15-5	440	9487	Std. Design	N/A	Confirmatory Action	None		Introduction - Transient and Accident Analyses	SRSB	4/30/18		7/13/18	ML18194A946
15-6	441	9485	Std. Design	N/A	Confirmatory Action	None		Introduction - Transient and Accident Analyses	SRSB	4/30/18		9/21/18	ML18264A340
15-6	441	9485	Std. Design	N/A	Confirmatory Action	None		Introduction - Transient and Accident Analyses	SRSB	4/30/18		8/5/19	ML19215A005
15-7	447	9508	Std. Design	N/A	Unresolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/1/18		3/14/19	ML19073A284
15-7	447	9508	Std. Design	N/A	Unresolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/1/18		9/13/18	ML18256A401
15-8	448	9506	Std. Design	N/A	Unresolved - Closed	None		Introduction - Transient and Accident Analyses	SRSB	5/1/18		6/29/18	ML18180A352

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**--Status is not a final determination by NRC.

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Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
15-9	450	9498	Std. Design	N/A	Confirmatory Action	None		Introduction - Transient and Accident Analyses	SRSB	5/1/18		6/28/18	ML18179A249
15-9	450	9498	Std. Design	N/A	Confirmatory Action	None		Introduction - Transient and Accident Analyses	SRSB	5/1/18		7/12/19	ML19193A227
16-1	57	8865	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	SCVB	6/8/17	ML17160A369	7/11/17	ML17192A241
16-1	57	8865	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	SCVB	6/8/17	ML17160A369	3/16/18	ML18075A321
16-1	57	8865	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	SCVB	6/8/17	ML17160A369	12/7/17	ML17341A930
16-10	157	9033	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/8/17	ML17220A108	9/14/17	ML17257A450
16-11	157	9033	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/8/17	ML17220A108	9/14/17	ML17257A450
16-12	157	9033	Std. Design	N/A	Confirmatory Action	SER Open Item		Technical Specifications	STSB	8/8/17	ML17220A108	9/14/17	ML17257A450
16-12	157	9033	Std. Design	N/A	Confirmatory Action	SER Open Item		Technical Specifications	STSB	8/8/17	ML17220A108	3/20/18	ML18079B134
16-12	157	9033	Std. Design	N/A	Confirmatory Action	SER Open Item		Technical Specifications	STSB	8/8/17	ML17220A108	3/13/19	ML19072A287
16-13	157	9033	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/8/17	ML17220A108	9/14/17	ML17257A450
16-14	157	9033	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/8/17	ML17220A108	9/14/17	ML17257A450
16-15	157	9033	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/8/17	ML17220A108	9/14/17	ML17257A450
16-16	196	9050	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C007	10/18/17	ML17291A482
16-16	196	9050	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C007	12/19/18	ML18352B166

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125

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Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								_
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
16-17	196	9050	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C007	12/21/18	ML18355A905
16-17	196	9050	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C007	10/18/17	ML17291A482
16-18	196	9050	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C007	10/18/17	ML17291A482
16-18	196	9050	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C007	5/9/18	ML18129A343
16-19	196	9050	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C007	10/18/17	ML17291A482
16-2	156	9031	Std. Design	N/A	Confirmatory Action	Confirma tory Item		Technical Specifications	STSB	8/8/17	ML17220A038	9/26/17	ML17269A210
16-2	156	9031	Std. Design	N/A	Confirmatory Action	Confirma tory Item		Technical Specifications	STSB	8/8/17	ML17220A038	4/22/19	ML19112A378
16-20	196	9050	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/25/17	ML17237C007	10/18/17	ML17291A482
16-21	196	9050	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/25/17	ML17237C007	10/18/17	ML17291A482
16-22	196	9050	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/25/17	ML17237C007	10/18/17	ML17291A482
16-23	196	9050	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C007	10/18/17	ML17291A482
16-24	196	9050	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C007	10/18/17	ML17291A482
16-25	197	9051	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C008	10/18/17	ML17291A299
16-26	197	9051	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C008	10/18/17	ML17291A299
16-27	197	9051	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/25/17	ML17237C008	10/18/17	ML17291A299
16-27	197	9051	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/25/17	ML17237C008	6/7/18	ML18158A530

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
16-27	197	9051	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/25/17	ML17237C008	8/26/19	ML19238A372
16-28	197	9051	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C008	7/29/19	ML19210E146
16-28	197	9051	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C008	7/10/19	ML19191A220
16-28	197	9051	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/25/17	ML17237C008	10/18/17	ML17291A299
16-29	197	9051	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/25/17	ML17237C008	10/18/17	ML17291A299
16-3	156	9031	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/8/17	ML17220A038	9/26/17	ML17269A210
16-30	228	9034	Std. Design	N/A	Confirmatory Action	SER Open Item		Technical Specifications	STSB	9/14/17	ML17257A227	11/13/17	ML17317B552
16-30	228	9034	Std. Design	N/A	Confirmatory Action	SER Open Item		Technical Specifications	STSB	9/14/17	ML17257A227	3/20/18	ML18079A728
16-30	228	9034	Std. Design	N/A	Confirmatory Action	SER Open Item		Technical Specifications	STSB	9/14/17	ML17257A227	6/11/19	ML19162A115
16-30	228	9034	Std. Design	N/A	Confirmatory Action	SER Open Item		Technical Specifications	STSB	9/14/17	ML17257A227	2/14/19	ML19045A350
16-31	228	9034	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	9/14/17	ML17257A227	3/20/18	ML18079A728
16-31	228	9034	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	9/14/17	ML17257A227	11/13/17	ML17317B552
16-32	228	9034	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	9/14/17	ML17257A227	11/13/17	ML17317B552
16-33	228	9034	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	9/14/17	ML17257A227	11/13/17	ML17317B552
16-34	228	9034	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	9/14/17	ML17257A227	11/13/17	ML17317B552

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
16-35	228	9034	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	9/14/17	ML17257A227	11/13/17	ML17317B552
16-36	228	9034	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	9/14/17	ML17257A227	11/13/17	ML17317B552
16-37	266	9174	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	SRSB	10/18/17		11/13/17	ML17317A585
16-38	306	9234	Std. Design	N/A	Unresolved - Closed	None		Technical Specifications	МСВ	12/19/17		1/31/18	ML18032A391
16-39	306	9234	Std. Design	N/A	Unresolved - Closed	None		Technical Specifications	MCB	12/19/17		1/31/18	ML18032A391
16-4	156	9031	Std. Design	N/A	Unresolved - Closed	None		Technical Specifications	STSB	8/8/17	ML17220A038	9/26/17	ML17269A210
16-40	306	9234	Std. Design	N/A	Unresolved - Closed	None		Technical Specifications	MCB	12/19/17		1/31/18	ML18032A391
16-41	306	9234	Std. Design	N/A	Unresolved - Closed	None		Technical Specifications	MCB	12/19/17		1/31/18	ML18032A391
16-42	472	9445	Std. Design	N/A	Confirmatory Action	SER Open Item		Technical Specifications	SRSB	5/10/18	ML18130A984	6/12/18	ML18163A417
16-43	472	9445	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	SRSB	5/10/18	ML18130A984	6/12/18	ML18163A417
16-44	472	9445	Std. Design	N/A	Resolved - Closed	SER Open Item		Technical Specifications	SRSB	5/10/18	ML18130A984	6/12/18	ML18163A417
16-44	472	9445	Std. Design	N/A	Resolved - Closed	SER Open Item		Technical Specifications	SRSB	5/10/18	ML18130A984	1/16/19	ML19016A462
16-45	490	9556	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	МСВ	6/15/18		8/2/18	ML18215A261
16-46	490	9556	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	MCB	6/15/18		8/2/18	ML18215A261
16-47	490	9556	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	MCB	6/15/18		8/2/18	ML18215A261

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128

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Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
16-48	490	9556	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	МСВ	6/15/18		8/2/18	ML18215A261
16-49	490	9556	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	MCB	6/15/18		8/2/18	ML18215A261
16-5	156	9031	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/8/17	ML17220A038	9/26/17	ML17269A210
16-50	506	9614	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	10/5/18		12/12/18	ML18347A619
16-51	506	9614	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	10/5/18		12/12/18	ML18347A619
16-52	506	9614	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	10/5/18		12/12/18	ML18347A619
16-53	506	9614	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	10/5/18		12/12/18	ML18347A619
16-54	506	9614	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	10/5/18		12/12/18	ML18347A619
16-55	506	9614	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	10/5/18		12/12/18	ML18347A619
16-55	506	9614	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	10/5/18		3/28/19	ML19087A329
16-56	506	9614	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	10/5/18		12/12/18	ML18347A619
16-57	506	9614	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	10/5/18			
16-58	506	9614	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	10/5/18		12/12/18	ML18347A619
16-59	506	9614	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	10/5/18		4/15/19	ML19105B291
16-6	156	9031	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	8/8/17	ML17220A038	9/26/17	ML17269A210
16-60	512	9634	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	11/21/18		1/10/19	ML19010A409

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129

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	NRC												
	etter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
16-60 5	512	9634	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	11/21/18		4/2/19	ML19092A346
16-60 5	512	9634	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	11/21/18		4/15/19	ML19105B293
16-60 5	512	9634	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	11/21/18		1/16/19	ML19016A374
16-60 5	512	9634	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	11/21/18		1/29/19	ML19029B572
16-60 5	512	9634	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	11/21/18		2/25/19	ML19056A587
16-61 5	520	9642	Std. Design	N/A	Confirmatory Action	SER Open Item		Technical Specifications	STSB	3/20/19		5/16/19	ML19140A270
16-62 5	520	9642	Std. Design	N/A	Confirmatory Action	SER Open Item		Technical Specifications	STSB	3/20/19		5/16/19	ML19140A270
16-63 5	520	9642	Std. Design	N/A	Confirmatory Action	SER Open Item		Technical Specifications	STSB	3/20/19		5/16/19	ML19140A270
16-64 5	520	9642	Std. Design	N/A	Confirmatory Action	SER Open Item		Technical Specifications	STSB	3/20/19		5/16/19	ML19140A270
16-65 5	520	9642	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	3/20/19		5/16/19	ML19140A270
16-65 5	520	9642	Std. Design	N/A	Confirmatory Action	None		Technical Specifications	STSB	3/20/19		7/29/19	ML19210D734
16-66 5	520	9642	Std. Design	N/A	Confirmatory Action	SER Open Item		Technical Specifications	STSB	3/20/19		4/15/19	ML19105B294
16-7 1	157	9033	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/8/17	ML17220A108	9/14/17	ML17257A450
16-8	157	9033	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/8/17	ML17220A108	9/14/17	ML17257A450

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Application	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
16-9	157	9033	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/8/17	ML17220A108	9/14/17	ML17257A450
16-9	157	9033	Std. Design	N/A	Resolved - Closed	None		Technical Specifications	STSB	8/8/17	ML17220A108	5/2/18	ML18122A292
17.04-1	82	8879	Std. Design	N/A	Resolved - Closed	None		Reliability Assurance Program (RAP)	SPRA	7/7/17	ML17188A222	1/10/18	ML17241A139
17.04-2	82	8879	Std. Design	N/A	Resolved - Closed	None		Reliability Assurance Program (RAP)	SPRA	7/7/17	ML17188A222	1/10/18	ML17241A139
17.04-3	127	8909	Std. Design	N/A	Resolved - Closed	None		Reliability Assurance Program (RAP)	SPRA	8/3/17	ML17215A608	1/10/18	ML17261A335
18-1	90	8758	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	7/10/17	ML17191A215	8/9/17	ML17212A820
18-1	90	8758	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	7/10/17	ML17191A215	1/12/18	ML17338A931
18-1	90	8758	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	7/10/17	ML17191A215	11/17/17	ML17322A051
18-1	90	8758	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	7/10/17	ML17191A215	5/24/18	ML18134A352
18-10	277	8747	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	11/3/17	ML17307A447	1/10/18	ML17354A845
18-10	277	8747	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	11/3/17	ML17307A447	6/21/18	ML18172A319
18-11	277	8747	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	11/3/17	ML17307A447	1/10/18	ML17354A845
18-12	278	9123	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	11/3/17	ML17307A448	1/10/18	ML18002A554
18-13	313	9312	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	12/22/17	ML17356A005	1/25/18	ML18011B134
18-14	378	9372	Std. Design	N/A	Resolved - Closed	SER Open Item	Open Item 18-1	Human Factors Engineering	HOIB	3/9/18	ML18068A727	5/4/18	ML18114A822
18-15	379	9381	Std. Design	N/A	Resolved - Closed	SER Open Item		Human Factors Engineering	HOIB	3/9/18	ML18068A728	5/4/18	ML18114A351

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131

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Application	Title:	NuScale S	tandard Des	ign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
18-16	380	9394	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/9/18	ML18068A733	5/3/18	ML18123A539
18-17	380	9394	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/9/18	ML18068A733	5/3/18	ML18123A539
18-17	380	9394	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/9/18	ML18068A733	8/27/18	ML18239A250
18-18	380	9394	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/9/18	ML18068A733	5/3/18	ML18123A539
18-19	381	9397	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/10/18	ML18069A000	4/11/18	ML18101B177
18-2	90	8758	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	7/10/17	ML17191A215	5/24/18	ML18134A352
18-2	90	8758	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	7/10/17	ML17191A215	1/23/18	ML17338A929
18-2	90	8758	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	7/10/17	ML17191A215	8/9/17	ML17212A820
18-20	382	9402	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/10/18	ML18069A001	5/4/18	ML18113A641
18-21	387	9398	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/14/18	ML18073A356	5/4/18	ML18120A251
18-22	388	9220	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/18/18	ML18077A000	5/4/18	ML18115A441
18-23	389	9414	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/18/18	ML18077A002	5/4/18	ML18121A299
18-24	390	9371	N/A	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/18/18	ML18077A001	5/4/18	ML18101B398
18-25	391	9370	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/19/18	ML18078B315	5/4/18	ML18103A152
18-26	392	9318	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/20/18	ML18079A126	5/21/18	ML18141A866
18-27	392	9318	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/20/18	ML18079A126	5/21/18	ML18141A866
18-28	392	9318	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/20/18	ML18079A126	5/21/18	ML18141A866

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18-29	392	9318	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/20/18	ML18079A126	5/21/18	ML18141A866
18-3	220	8805	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	9/10/17	ML17255A737	10/31/17	ML17304B487
18-30	392	9318	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/20/18	ML18079A126	5/21/18	ML18141A866
18-31	392	9318	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/20/18	ML18079A126	5/21/18	ML18141A866
18-32	392	9318	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/20/18	ML18079A126	5/21/18	ML18141A866
18-33	392	9318	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/20/18	ML18079A126	5/21/18	ML18141A866
18-34	393	9401	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/20/18	ML18079A127	5/21/18	ML18141A661
18-35	399	9399	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/23/18	ML18082B396	5/17/18	ML18137A583
18-35	399	9399	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/23/18	ML18082B396	9/6/18	ML18249A420
18-36	400	9409	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/26/18	ML18082B397	5/23/18	ML18143B530
18-37	400	9409	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/26/18	ML18082B397	5/23/18	ML18143B530
18-38	400	9409	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/26/18	ML18082B397	5/23/18	ML18143B530
18-38	400	9409	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/26/18	ML18082B397	5/23/18	ML18143B530
18-39	400	9409	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/26/18	ML18082B397	5/23/18	ML18143B530
18-4	220	8805	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	9/10/17	ML17255A737	10/31/17	ML17304B487
18-40	400	9409	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	3/26/18	ML18082B397	5/23/18	ML18143B530

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Issue Number Type	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
18-40	400	9409	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	3/26/18	ML18082B397	5/23/18	ML18143B530
18-41	428	9360	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	4/23/18	ML18180A359	6/20/18	ML18172A226
18-42	428	9360	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	4/23/18	ML18180A359	6/20/18	ML18172A226
18-43	428	9360	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	4/23/18	ML18180A359	6/20/18	ML18172A226
18-44	429	9396	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	4/23/18	ML18204A192	6/19/18	ML18170A158
18-45	430	9411	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	4/23/18	ML18204A188	6/13/18	ML18164A394
18-45	430	9411	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	4/23/18	ML18204A188	6/13/18	ML18164A394
18-46	432	9415	Std. Design	N/A	Resolved - Closed	Confirma Open Item 18-22	Human Factors Engineering	HOIB	4/23/18	ML18204A190	6/21/18	ML18172A318
18-46	432	9415	Std. Design	N/A	Resolved - Closed	Confirma Open Item 18-22	Human Factors Engineering	HOIB	4/23/18	ML18204A190	5/23/19	ML19144A300
18-47	482	9395	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	5/24/18	ML18144A470	7/20/18	ML18201A350
18-48	485	9392	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	6/1/18	ML18180A357	7/17/18	ML18198A521
18-49	485	9392	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	6/1/18	ML18180A357	7/17/18	ML18198A521
18-5	258	9153	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	10/13/17	ML17286B066	12/12/17	ML17346A971
18-50	485	9392	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	6/1/18	ML18180A357	7/17/18	ML18198A521
18-6	262	8847	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	10/14/17	ML17287A002	12/13/17	ML17347B712
18-7	262	8847	Std. Design	N/A	Resolved - Closed	None	Human Factors Engineering	HOIB	10/14/17	ML17287A002	12/13/17	ML17347B712

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134

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
18-8	277	8747	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	11/3/17	ML17307A447	1/10/18	ML17354A845
18-9	277	8747	Std. Design	N/A	Resolved - Closed	None		Human Factors Engineering	HOIB	11/3/17	ML17307A447	1/10/18	ML17354A845
19.01-1	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-1	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	12/7/17	ML17331B460
19.01-10	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-11	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-12	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-13	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-14	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-14	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	12/7/17	ML17331B460

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135

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
19.01-15	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	12/7/17	ML17331B460
19.01-15	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	4/11/18	ML18101B416
19.01-15	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-16	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-16	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	4/11/18	ML18101B416
19.01-16	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	12/7/17	ML17331B460
19.01-16	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	5/17/18	ML18137A603
19.01-16	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	5/17/18	ML18137A603
19.01-17	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895

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136

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Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
19.01-18	83	8899	Std. Design	N/A	Unresolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-19	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-2	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-2	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	5/18/18	ML18138A409
19.01-2	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	10/25/18	ML18298A083
19.01-20	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-3	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-3	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	6/19/18	ML18170A327
19.01-4	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	6/8/18	ML18159A349

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137

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19.01-4	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	1/18/18	ML18018B375
19.01-5	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	12/7/17	ML17331B460
19.01-5	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-5	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	5/18/18	ML18138A409
19.01-5	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	6/19/18	ML18170A327
19.01-6	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-7	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-8	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.01-8	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	1/17/18	ML18017B335

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**--Status is not a final determination by NRC.

138

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
19.01-9	83	8899	Std. Design	N/A	Resolved - Closed	None		Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	SEB	7/7/17	ML17188A272	9/1/17	ML17244A895
19.02-1	525	9705	Std. Design	N/A	Resolved - Closed	None		Review of Risk Information Used to Support Permanent Plant-Specific Changes to the Licensing Basis: General Guidance	SPRA	8/15/19		9/16/19	ML19259A092
19.05 Aircraft Impact Assessment (NuScale SMR design)-1	159	9023	Std. Design	N/A	Unresolved - Closed	None		19.05 Aircraft Impact Assessment (NuScale SMR design)	SRSB	8/10/17		9/29/17	ML17272A161
19.05 Aircraft Impact Assessment (NuScale SMR design)-2	159	9023	Std. Design	N/A	Resolved - Closed	None		19.05 Aircraft Impact Assessment (NuScale SMR design)	SRSB	8/10/17		9/29/17	ML17272A161
19.05 Aircraft Impact Assessment (NuScale SMR design)-23	314	9241	Std. Design	N/A	Resolved - Closed	None		19.05 Aircraft Impact Assessment (NuScale SMR design)	SPSB	12/26/17	ML17360A247	2/23/18	ML18054B601
19.05 Aircraft Impact Assessment (NuScale SMR design)-23	314	9241	Std. Design	N/A	Resolved - Closed	None		19.05 Aircraft Impact Assessment (NuScale SMR design)	SPSB	12/26/17	ML17360A247	12/5/18	ML18339A035

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139

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Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	ign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
19.05 Aircraft Impact Assessment (NuScale SMR design)-24	81	8877	Std. Design	N/A	Resolved - Closed	None		19.05 Aircraft Impact Assessment (NuScale SMR design)	SPSB	7/7/17	ML17188A171	9/28/17	ML17271A277
19-1	25	8813	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	5/19/17	ML17139D425	6/28/17	ML17180A215
19-1	25	8813	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	5/19/17	ML17139D425	3/22/18	ML18081A780
19-10	69	8809	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/21/17	ML17172A090	8/16/17	ML17230A000
19-10	69	8809	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/21/17	ML17172A090	8/16/17	ML17230A000
19-11	69	8809	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/21/17	ML17172A090	8/16/17	ML17230A000
19-11	69	8809	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/21/17	ML17172A090	8/16/17	ML17230A000
19-12	69	8809	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/21/17	ML17172A090	8/16/17	ML17230A000
19-12	69	8809	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/21/17	ML17172A090	8/16/17	ML17230A000
19-13	71	8889	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/27/17	ML17178A320	1/15/18	ML18016A240

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140

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

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Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
19-13	71	8889	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/27/17	ML17178A320	8/16/17	ML17229B454
19-14	78	8892	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/30/17	ML17181A490	8/24/17	ML17234A751
19-14	78	8892	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/30/17	ML17181A490	3/22/18	ML18081B333
19-15	79	8812	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	7/5/17	ML17186A364	8/28/17	ML17240A345
19-16	92	8903	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	7/10/17	ML17191A582	9/7/17	ML17251B163
19-17	101	8940	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	7/21/17	ML17202V136	1/2/18	ML18002A581
19-17	101	8940	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	7/21/17	ML17202V136	9/19/17	ML17262B215
19-18	101	8940	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	7/21/17	ML17202V136	9/19/17	ML17262B215
19-18	101	8940	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	7/21/17	ML17202V136	12/30/17	ML18002A581
19-19	113	8986	Std. Design	N/A	Resolved - Closed	None		19.05 Aircraft Impact Assessment (NuScale SMR design)	SEB	7/30/17	ML17211A004	9/28/17	ML17271A261
19-19	113	8986	Std. Design	N/A	Resolved - Closed	None		19.05 Aircraft Impact Assessment (NuScale SMR design)	SEB	7/30/17	ML17211A004	12/20/17	ML17354B223

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**--Status is not a final determination by NRC.

141

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Confirmatory Action - The applicant has responded to the question. The NRC has reviewed and agrees with the response and the proposed markups, but some action is needed as part of the response is not complete (e.g., FSAR change has not been formally submitted).

Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
19-2	26	8840	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	5/22/17	ML17142A249	7/19/17	ML17200D124
19-2	26	8840	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	5/22/17	ML17142A249	7/2/18	ML18183A554
19-2	26	8840	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	5/22/17	ML17142A249	5/14/18	ML18135A269
19-2	26	8840	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	5/22/17	ML17142A249	3/12/19	ML19071A356
19-2	26	8840	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	5/22/17	ML17142A249	5/6/19	ML19126A294
19-20	113	8986	Std. Design	N/A	Resolved - Closed	SER Open Item		19.05 Aircraft Impact Assessment (NuScale SMR design)	SEB	7/30/17	ML17211A004	12/20/17	ML17354B223
19-20	113	8986	Std. Design	N/A	Resolved - Closed	SER Open Item		19.05 Aircraft Impact Assessment (NuScale SMR design)	SEB	7/30/17	ML17211A004	9/28/17	ML17271A261
19-21	113	8986	Std. Design	N/A	Resolved - Closed	SER Open Item		19.05 Aircraft Impact Assessment (NuScale SMR design)	SEB	7/30/17	ML17211A004	9/28/17	ML17271A261
19-21	113	8986	Std. Design	N/A	Resolved - Closed	SER Open Item		19.05 Aircraft Impact Assessment (NuScale SMR design)	SEB	7/30/17	ML17211A004	12/20/17	ML17354B223
19-22	113	8986	Std. Design	N/A	Resolved - Closed	SER Open Item		19.05 Aircraft Impact Assessment (NuScale SMR design)	SEB	7/30/17	ML17211A004	12/20/17	ML17354B223
19-22	113	8986	Std. Design	N/A	Resolved - Closed	SER Open Item		19.05 Aircraft Impact Assessment (NuScale SMR design)	SEB	7/30/17	ML17211A004	9/28/17	ML17271A261

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**--Status is not a final determination by NRC.

142

Issued/Waiting for Response - The question has been issued to the applicant and the NRC is waiting for a response from the applicant. This can be for a new RAI question or for a follow-up question **In Evaluation** - The applicant has provided a response to the question and it is in evaluation by the NRC.

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Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
19-23	116	8926	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	8/1/17		9/29/17	ML17272B031
19-23	116	8926	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	8/1/17		8/27/18	ML18239A286
19-23	116	8926	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	8/1/17		5/21/18	ML18141A882
19-24	146	9028	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	8/5/17	ML17217A017	1/10/18	ML17262B247
19-25	160	8982	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	8/10/17	ML17222A537	10/9/17	ML17282A010
19-26	161	9043	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	8/11/17		10/10/17	ML17283A413
19-26	161	9043	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	8/11/17		10/10/17	ML17283A414
19-26	161	9043	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	8/11/17		2/26/19	ML19057A621
19-27	168	8977	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	8/12/17	ML17224A006	3/26/18	ML18085A516
19-27	168	8977	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	8/12/17	ML17224A006	10/11/17	ML17284A652
19-27	168	8977	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	8/12/17	ML17224A006	5/24/18	ML18145A136

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143

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Application	Title:	NuScale S	tandard Des	sign Certificat	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
19-28	198	9068	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	8/25/17		10/24/17	ML17297A496
19-28	198	9068	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	8/25/17		4/10/18	ML18100B306
19-29	209	9112	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	9/1/17		10/30/17	ML17303A578
19-3	51	8854	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/2/17	ML17153A383	7/31/17	ML17212B176
19-30	210	8999	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	9/1/17	ML17244A840	10/26/17	ML17299A812
19-31	241	9151	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	9/27/17	ML17270A095	11/21/17	ML17325B728
19-31	241	9151	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	9/27/17	ML17270A095	3/2/18	ML18061A147
19-32	245	9148	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	9/29/17	ML17272A118	11/21/17	ML17325B729
19-33	259	9138	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	10/13/17	ML17286B260	12/12/17	ML17346B047
19-33	259	9138	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	10/13/17	ML17286B260	2/26/19	ML19057A619
19-34	260	9108	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	10/13/17	ML17286B261	11/27/17	ML17332A127

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 $\ensuremath{^{**}\text{--}}\text{Status}$ is not a final determination by NRC.

144

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Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	NuScale Standard Design Certification - 52-048											
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number	
19-34	260	9108	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	10/13/17	ML17286B261	2/26/19	ML19057A618	
19-35	268	9178	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	10/19/17	ML17293A147	12/13/17	ML17347B711	
19-36	282	9196	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	11/14/17		1/12/18	ML18012A649	
19-36	282	9196	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	11/14/17		6/15/18	ML18166A311	
19-37	292	9128	Std. Design	N/A	Unresolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	12/6/17	ML17340A626	6/14/18	ML18165A431	
19-37	292	9128	Std. Design	N/A	Unresolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	12/6/17	ML17340A626	2/5/18	ML18036B203	
19-38	367	9365	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SEB	2/8/18		4/4/18	ML18094B108	
19-39	518	9659	Std. Design	N/A	Confirmatory Action	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	3/3/19		4/11/19	ML19101A453	
19-39	518	9659	Std. Design	N/A	Confirmatory Action	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	3/3/19		9/23/19	ML19266A587	
19-4	51	8854	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/2/17	ML17153A383	7/31/17	ML17212B176	
19-40	521	9672	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	3/22/19		4/4/19	ML19094B870	

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145

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Resolved - Closed - The NRC has accepted the response and no additional issues or concerns are remaining for that question.



Application	Title:	NuScale S	tandard Des	sign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
19-5	51	8854	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/2/17	ML17153A383	7/31/17	ML17212B176
19-6	60	8861	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/9/17	ML17160A412	7/26/17	ML17207A915
19-7	61	8876	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/13/17	ML17164A201	8/10/17	ML17222A094
19-7	61	8876	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/13/17	ML17164A201	8/16/17	ML17229B454
19-8	63	8882	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/20/17	ML17171A131	8/10/17	ML17222A683
19-8	63	8882	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/20/17	ML17171A131	6/14/18	ML18165A438
19-9	69	8809	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/21/17	ML17172A090	8/16/17	ML17230A000
19-9	69	8809	Std. Design	N/A	Resolved - Closed	None		Probabilistic Risk Assessment and Severe Accident Evaluation	SPRA	6/21/17	ML17172A090	11/8/17	ML17313B212
20.01-1	91	8923	Std. Design	N/A	Resolved - Closed	None	20.01-01	Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	SPSB	7/10/17	ML17191A216	8/9/17	ML17222A177
20.01-10	303	9301	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	12/16/17	,	1/9/18	ML18009A238
20.01-11	334	9209	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	SPSB	1/10/18		2/8/18	ML18039A726

12/12/2019

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146

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Application	Title:	NuScale S	tandard Des	ign Certificati	ion - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
20.01-12	424	9327	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	4/16/18		6/15/18	ML18166A353
20.01-13	424	9327	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	4/16/18		6/21/18	ML18172A31
20.01-13	424	9327	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	4/16/18		6/21/18	ML18172A317
20.01-14	424	9327	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	4/16/18		6/21/18	ML18172A31
20.01-14	424	9327	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	4/16/18		6/21/18	ML18172A31
20.01-15	424	9327	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	4/16/18		6/21/18	ML18172A31
20.01-15	424	9327	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	4/16/18		6/21/18	ML18172A317
20.01-16	424	9327	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	4/16/18		6/21/18	ML18172A317
20.01-16	424	9327	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	4/16/18		6/21/18	ML18172A317

12/12/2019

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147

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Application Title:		NuScale Standard Design Certification - 52-048											
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
20.01-17	463	9486	Std. Design	N/A	Unresolved - Closed	SER Open Item		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	SRSB	5/3/18		3/28/19	ML19087A325
20.01-17	463	9486	Std. Design	N/A	Unresolved - Closed	SER Open Item		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	SRSB	5/3/18		6/28/18	ML18179A530
20.01-18	463	9486	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	SRSB	5/3/18		6/28/18	ML18179A530
20.01-19	463	9486	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	SRSB	5/3/18		6/28/18	ML18179A530
20.01-2	211	8961	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	MEB	9/1/17	ML17244A845	10/31/17	ML17304B482
20.01-3	211	8961	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	MEB	9/1/17	ML17244A845	10/31/17	ML17304B482
20.01-4	211	8961	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	MEB	9/1/17	ML17244A845	10/31/17	ML17304B482
20.01-5	215	9110	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	9/1/17		10/16/17	ML17289A672
20.01-5	215	9110	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	9/1/17		1/9/18	ML18009A222

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148

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Application	Title:	NuScale S	tandard Des	ign Certificati	on - 52-048								
Question Number	NRC Letter No	System RAI No	Question Type	Sensitivity	Question Status	Issue Type	Issue Number	SRP Section	Tech Branch	RAI Issue Date	RAI Accession Number	Response Date	Response Accession Number
20.01-6	230	9064	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	SPSB	9/20/17		11/16/17	ML17320B039
20.01-7	230	9064	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	SPSB	9/20/17		11/16/17	ML17320B039
20.01-7	230	9064	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	SPSB	9/20/17		11/16/17	ML17320B039
20.01-8	231	9100	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	9/20/17		11/1/17	ML17305A878
20.01-9	231	9100	Std. Design	N/A	Resolved - Closed	None		Mitigating Strategies for Beyond Design-Basis External Events (NuScale SMR design)	EEB	9/20/17		11/1/17	ML17305A878
21.0-1	109	8949	Std. Design	N/A	Resolved - Closed	None		Multi-Module Design Considerations (NuScale SMR design)	SCVB	7/29/17	ML17210A001	9/26/17	ML17269A203
21.0-2	407	9468	Std. Design	N/A	Resolved - Closed	None		Multi-Module Design Considerations (NuScale SMR design)	SRSB	4/3/18	ML18094A943	8/24/18	ML18236A477
21.0-2	407	9468	Std. Design	N/A	Resolved - Closed	None		Multi-Module Design Considerations (NuScale SMR design)	SRSB	4/3/18	ML18094A943	6/4/18	ML18155A621

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