

**Exhibit 1
Phase I Contention Groupings**

Grouping Subject	Contentions	Total	Expert Witness(es)
Climate and Precipitation	NEV-Safety-009 (legal at least in part)	13	Overpeck & Thorne
	NEV-Safety-010 (legal at least in part)		Overpeck & Thorne
	NEV-Safety-011 (legal at least in part)		Overpeck & Thorne
	NEV-Safety-012 (legal at least in part)		Overpeck
	NEV-Safety-013 (legal at least in part)		Overpeck
	NEV-Safety-014		Chandler & Wheater
	NEV-Safety-015		Chandler & Wheater
	NEV-Safety-016		Chandler & Wheater
	NEV-Safety-017		Chandler & Wheater
	NEV-Safety-018		Chandler, Overpeck & Wheater
	NEV-Safety-019 (legal at least in part)		Overpeck
	NEV-Safety-046		Butler & Wheater
	JTS-NEPA-008		Johnson & Mifflin
Infiltration	NEV-Safety-020	23	Wheater
	NEV-Safety-021		Wheater
	NEV-Safety-022		Wheater
	NEV-Safety-023		Wheater
	NEV-Safety-024		Wheater & Chandler
	NEV-Safety-025		Wheater
	NEV-Safety-026		Wheater
	NEV-Safety-027		Wheater
	NEV-Safety-028		Wheater & Chandler
	NEV-Safety-029		Wheater & Chandler
	NEV-Safety-030		Wheater & Chandler
	NEV-Safety-031		Wheater
	NEV-Safety-032		Wheater
	NEV-Safety-033		Wheater
	NEV-Safety-034		Wheater & Chandler
	NEV-Safety-035		Wheater, Butler & Chandler
	NEV-Safety-036		Wheater
	NEV-Safety-037		Chandler & Wheater
	NEV-Safety-038		Chandler & Wheater
	NEV-Safety-039		Chandler
	NEV-Safety-040		Chandler & Wheater
NEV-Safety-041 (legal at least in part)	Matthai & Thorne		
JTS-NEPA-005	Johnson & Mifflin		

Unsaturated Zone Flow and Transport	NEV-Safety-042	16	Bath
	NEV-Safety-043		Bath
	NEV-Safety-044		Bath & Butler
	NEV-Safety-045		Butler & Shettel
	NEV-Safety-047		Butler, Wheater & Matthai
	NEV-Safety-048		Shettel & Matthai
	NEV-Safety-049		Shettel & Butler
	NEV-Safety-050		Matthai & Butler
	NEV-Safety-051		Matthai
	NEV-Safety-052		Matthai & Butler
	NEV-Safety-053		Matthai & Butler
	NEV-Safety-054		Matthai
	NEV-Safety-113		Shettel & Bath
	NEV-Safety-114		Morgenstein & Bath
	NEV-Safety-115		Morgenstein & Bath
	JTS-NEPA-003		Johnson & Mifflin
Unsaturated Zone Geochemistry	NEV-Safety-055	6	Bath, Morgenstein & Shettel
	NEV-Safety-056		Bath, Morgenstein & Shettel
	NEV-Safety-057		Shettel & Bath
	NEV-Safety-058		Shettel & Bath
	NEV-Safety-059		Shettel & Bath
	NEV-Safety-060		Morgenstein
Emplacement Drift Seepage	NEV-Safety-061	8	Shettel, Hambley & Matthai
	NEV-Safety-062		Shettel, Hambley & Matthai
	NEV-Safety-063		Shettel, Hambley & Matthai
	NEV-Safety-064		Shettel, Hambley & Matthai
	NEV-Safety-065		Morgenstein & Butler
	NEV-Safety-066		Matthai
	NEV-Safety-077		Hambley, Kendorski & Shettel
	NEV-Safety-095		Morgenstein & Matthai
Emplacement Drift Geochemistry	NEV-Safety-067	10	Bath, Morgenstein & Shettel
	NEV-Safety-068		Morgenstein
	NEV-Safety-069		Morgenstein
	NEV-Safety-070		Morgenstein & Bath
	NEV-Safety-071		Morgenstein & Bath
	NEV-Safety-072		Morgenstein
	NEV-Safety-073		Morgenstein & Cottis
	NEV-Safety-107		Cottis & Morgenstein
	NEV-Safety-108		Cottis & Morgenstein
	NEV-Safety-109		Cottis & Morgenstein

Waste Dissolution	NEV-Safety-092	4	Morgenstein & Cottis
	NEV-Safety-099		Morgenstein & Cottis
	NEV-Safety-111		Morgenstein
	NEV-Safety-112		Morgenstein
Saturated Zone Geochemistry	NEV-Safety-116	2	Shettel & Bath
	NEV-Safety-117		Thorne & Morgenstein
Corrosion	NEV-Safety-074	29	Thorne
	NEV-Safety-075		Cottis
	NEV-Safety-076		Cottis
	NEV-Safety-078		Shettel & Bath
	NEV-Safety-079		Shettel & Bath
	NEV-Safety-080		McMaster & Cottis
	NEV-Safety-081		McMaster & Cottis
	NEV-Safety-082		McMaster & Cottis
	NEV-Safety-083		McMaster & Cottis
	NEV-Safety-084		McMaster, Cottis & Morgenstein
	NEV-Safety-085		McMaster & Cottis
	NEV-Safety-086		Morgenstein & Cottis
	NEV-Safety-087		Morgenstein & Cottis
	NEV-Safety-088		Morgenstein & Cottis
	NEV-Safety-089		Morgenstein & Cottis
	NEV-Safety-090		Morgenstein, Cottis & Hambley
	NEV-Safety-091		Morgenstein & Cottis
	NEV-Safety-093		Morgenstein & Cottis
	NEV-Safety-094		Morgenstein & Cottis
	NEV-Safety-096		Morgenstein & Matthai
NEV-Safety-097	Morgenstein & Cottis		
NEV-Safety-098	Morgenstein & Cottis		
NEV-Safety-100	Morgenstein & Cottis		
NEV-Safety-101	Cottis		
NEV-Safety-102	Cottis		
NEV-Safety-103	Cottis		
NEV-Safety-104	Cottis		
NEV-Safety-105	Cottis & Morgenstein		
NEV-Safety-106	Cottis & Morgenstein		
Drip Shields	NEV-Safety-124	14	McMaster & Cottis
	NEV-Safety-125		McMaster & Cottis
	NEV-Safety-126		McMaster & Cottis
	NEV-Safety-127		McMaster & Cottis
	NEV-Safety-128		McMaster & Hambley
	NEV-Safety-129		McMaster & Cottis
	NEV-Safety-130		McMaster, Hambley & Shettel
	NEV-Safety-142		McMaster & Cottis
	NEV-Safety-143		McMaster
	NEV-Safety-144		McMaster & Hambley
	NEV-Safety-145		McMaster
	NEV-Safety-161 (legal at least in part)		Thorne
	NEV-Safety-162 (legal at least in part)		McMaster, Hambley, Shettel & Thorne
	NEI-Safety-006		Apted, King & Kozak

Rock Structure, Geomechanics, and Engineered Barrier Systems	NEV-Safety-110	13	Cottis & Shettel
	NEV-Safety-121		Hambley & Kendorski
	NEV-Safety-122		Thorne & Hambley
	NEV-Safety-123		Hambley, Kendorski & Shettel
	NEV-Safety-131		Hambley & Kendorski
	NEV-Safety-132		Hambley & Kendorski
	NEV-Safety-133		Hambley & Kendorski
	NEV-Safety-134		Hambley & Kendorski
	NEV-Safety-136		Hambley & Kendorski
	NEV-Safety-137		Hambley
	NEV-Safety-138		Hambley
	NEV-Safety-140		Hambley
	NEV-Safety-141		Hambley
Volcanism	Clk-Safety-3/NEV-Safety-150	12	Smith
	Clk-Safety-4/NEV-Safety-151		Smith
	Clk-Safety-5/NEV-Safety-152		Smith
	Clk-Safety-006, NEV-Safety-153, and Iny-Safety-003		Smith
	Clk-Safety-007/NEV-Safety-154		Smith
	Clk-Safety-008/NEV-Safety-155		Smith
	Clk-Safety-009/NEV-Safety-156		Smith
	Clk-Safety-010/NEV-Safety-157		Smith
	Clk-Safety-011/NEV-Safety-158		Smith
	NEV-Safety-164		Phillips & Thorne
	NEV-Safety-167		None
Iny-NEPA-006	Smith		
Biosphere Factors	NEV-Safety-118	3	Thorne
	NEV-Safety-119		Thorne
	NEV-Safety-120		Thorne
Human Reliability	NEV-Safety-147	4	Thorne & Hambley
	NEV-Safety-148		Thorne & Hambley
	NEV-Safety-163		Thorne
	NEV-Safety-149 (legal at least in part)		None
TSPA & PMA	NEV-Safety-159	4	Thorne
	NEV-Safety-160		Thorne
	NEV-Safety-170		Thorne
	NEV-NEPA-018		None
Expert Elicitation	NEV-Safety-165	2	None
	NEV-Safety-166		None
Retrievability	NEV-Safety-168	2	Hambley
	NEV-Safety-169 (legal at least in part)		None
TAD Inspection and Verification	NEV-Safety-172	2	None
	NEV-Safety-173		Hambley

Radionuclide Contamination	Whi-NEPA-001	4	Geist, Baughman & Taunton
	Whi-NEPA-002		Geist, Baughman & Taunton
	Whi-NEPA-003		Geist, Baughman & Taunton
	Whi-NEPA-004		Geist, Baughman & Taunton
Miscellaneous	Missile Testing – Clk-Safety-002	4	Conway
	EP Affect on Post Cl. – NEV-Safety-139		Hambley
	Security Measures – NEV-Safety-196		None
	Criticality – NEI-Safety-005 (legal at least in part)		Redmond
Legal Contentions (at least in part)	NEV-Safety-009	14	See "Climate"
	NEV-Safety-010		See "Climate"
	NEV-Safety-011		See "Climate"
	NEV-Safety-012		See "Climate"
	NEV-Safety-013		See "Climate"
	NEV-Safety-019		See "Climate"
	NEV-Safety-041		See "Infiltration"
	NEV-Safety-146/NEV-Safety-201		None
	NEV-Safety-149		None
	NEV-Safety-161		See "Drip Shields"
	NEV-Safety-162		See "Drip Shields"
	NEV-Safety-169		None
	NEV-Safety-171		None
	NEI-Safety-005		See "Misc./Criticality Analysis"