



15

Index

15. INDEX

A

Accidents – S-37, S-39 – S-40, S-42, S-43, S-63 – S-64, S-66, S-68, S-69, S-75, S-76, S-80, S-81, S-83, S-86, 2-81, 2-87, 2-96, 3-119, 3-121, 3-124, 3-162, 4-50, 4-63, 4-68, 4-78, 4-95, 4-98, 4-114 – 4-115, 6-4 – 6-16, 6-23 – 6-25, 6-32 – 6-37, 6-43 – 6-53, 6-55 – 6-61, 6-55, 6-71, 6-84 – 6-85, 6-170, 6-171, 6-229, 7-2, 7-4, 7-5, 7-15, 7-16, 7-18, 7-25, 7-29, 7-31, 7-33, 7-41, 7-49, 8-59, 8-86 – 8-91, 9-14, 9-26, 10-4 – 10-6, 10-9, 11-6, 11-11, 11-14, Appendix H, Appendix J

Aesthetics – S-65, S-86, 3-2, 3-4, 3-104, 3-119, 3-124, 3-158, 3-162, 3-179, 3-187, 5-1, 6-10, 6-28, 6-31, 6-57, 6-58, 6-66, 6-87, 6-91, 6-143, 6-174, 6-187, 6-196, 6-207, 6-230, 6-232, 7-2 – 7-4, 7-15, 7-31, 7-52, 8-60, 8-99, 9-15, 9-27, 10-9

Impacts on – 4-71, 4-115, 6-28, 6-57, 6-58, 6-87, 6-143, 6-174, 6-187, 6-196, 6-207, 7-15, 7-31, 7-52, 8-60, 8-99, 10-9

Affected environment – 3-4, 3-5, 3-118, 3-123, 3-134, 3-190, 6-1, 9-1

Commercial and DOE Sites – 3-1, 3-183

Native American Views – 3-81

Aging and surface aging facility – S-12, S-17, S-19, S-20, S-52, S-57, S-64, 2-9, 2-12, 2-13, 2-15, 2-24, 2-62, 2-85, 4-2 – 4-3, 4-11, 4-13 – 4-15, 4-23, 4-28, 4-38, 4-40, 4-44, 4-54, 4-56, 4-67, 4-92 – 4-94, 4-105 – 4-108, 5-17, 8-9, 8-39, 8-41, 8-42, 8-46, 9-17

Air quality – S-6, S-46, S-49, S-84, 1-19, 1-24, 3-1, 3-12, 3-13, 3-14, 3-118, 3-124, 3-133, 3-162, 3-164, Chapter 4, 6-4, 6-9, 6-13, 6-20, 6-29, 6-31, 6-33, 6-61, 6-62, 6-67, 6-77, 6-89, 6-147, 6-161 – 6-164, 6-199, 6-210 – 6-211, 6-220 – 6-221, 6-232, 7-2 – 7-6, 7-11, 7-23, 7-26, 7-34, 7-46, 8-21 – 8-31, 8-85, 8-96, 8-103, 9-6, 9-20, 10-2, 10-5, 10-6, 11-17, Appendix G

Characterization – 3-1, 3-5, 3-12, 3-14, 3-15, 3-124, 3-133, 3-162, 3-164

Impacts on – 4-6, 4-88, 4-95, 4-96, 4-104, 4-108, 6-13, 6-20, 6-56, 6-58, 6-68, 6-77 – 6-78, 6-89, 6-147 – 6-148, 6-161 – 6-164, 6-199, 6-210 – 6-211, 6-220 – 6-221, 6-232, 7-11, 7-23, 7-26, 7-34, 7-46, 8-31, 8-96, 8-103, 10-2, 10-5, 10-6

Alloy – S-13, S-14, S-15, 5-31, 9-16, Appendixes A, H, and I

Alloy-22 – 2-33 – 2-36, 2-38, 4-93, 5-7, 5-9, 5-13, 5-17, 5-19, 8-68, 9-16

Alternatives – S-2, S-34, S-35, S-43, 1-9, 1-22, 1-23, 6-54, 6-165, 7-1 – 7-6, 7-17, 7-20, 8-10, 11-10, 11-18

Comparison – S-84 – S-87, 2-78, 2-83, 2-85, 2-86, 6-54 – 6-62

Design – S-40, 1-19, 2-72 – 2-77, Appendix E

Eliminated from detailed study – S-5, 2-72, 2-77

Implementing – S-21, S-23, S-28, S-68, S-71, S-74, S-83, S-89, 2-5, 2-7, 2-13, 2-51, 2-52, 2-54, 2-55, 3-118, 3-122, 3-123, 3-124, 3-162, 6-1 – 6-3, 6-12, 6-16 – 6-31, 6-42, 6-54 – 6-62, 6-72, 6-156, 8-87, 8-92, 8-104, 10-6, 10-8, 10-9, 11-6

No-Action – S-1, S-2, S-29 – S-32, S-34, S-35, S-74 – S-76, S-80, S-83, S-88, 1-22, 1-23, 3-183, Chapter 7, Appendix K

Nonpreferred – S-72, S-73, 6-17, 6-75, 6-131, 6-190

Preferred alternative – S-2, S-9, S-35 – S-36, 1-3, 6-1

Proposed Action – S-1, S-2, S-5, S-9 – S-29, S-32, S-34, S-35, S-36, S-37, S-39, S-40, S-43 – S-74, S-77 – S-79, S-80, S-81, S-82, S-83, S-88, S-89, 1-3, 1-16, 2-2, 2-73, 2-96, 4-105, 4-116, 6-1, 8-6, 8-20, 8-67, 8-85, 8-91, 8-100, 9-2, 9-4, 10-1, 10-10, 10-12, 11-16

Ambient Air Quality Standards – S-46, 3-12, 3-13, 3-14, 4-7, 4-18, 4-95, 7-23, 6-148, 8-21, 8-31, 8-37, 8-38, 8-96, 11-2, 11-7, 11-23

American Indian Writers Subgroup – S-37, 1-25, 3-81, 3-152, 6-23, 6-28, 6-83, 6-173, 6-230 – 6-231, 10-9

Apex/Dry Lake heavy-haul truck route – See *Heavy-haul truck route, Apex/Dry Lake*.

Apex/Dry Lake intermodal transfer station – See *Intermodal transfer station, Apex/Dry Lake*.

Archaeological resources and studies – S-56, S-85, 3-76, 3-77, 3-81, 3-151, 3-154, 3-175, 4-39, 4-87, 4-89, 4-112, 6-10, 6-22 – 6-23, 6-56, 6-58, 6-63, 6-83, 6-98, 6-112, 6-126, 6-139, 6-152, 6-168, 6-182, 6-192, 6-202, 6-213, 6-223, 6-231 – 6-232, 7-5 – 7-6, 7-12, 7-16, 7-24, 7-48, 8-45, 8-97, 9-5, 9-12, 9-25, 10-3, 10-8, 10-12 – 10-13, 11-15 – 11-16

Areal mass loading – S-40, 1-19, 2-9, 2-40, 2-61

B

Backfill – 4-4, 4-6, 4-16, 4-59, 8-32, 9-6

Barge transportation – See *National transportation, barge*.

Barriers, engineered and natural – S-9, S-14, S-15, S-33, S-42, S-61, S-62, S-63, S-81, S-89, 1-16, 2-2, 2-33, 2-62, 3-47, 3-56, 3-191, 5-2, 5-19, 5-36, 8-68, 8-69, 9-7, 9-16

Biological Opinion – S-43, S-45, 4-36, 9-9, 9-23, 10-3, 11-16 – 11-17, Appendix O

Biological resources – 3-2, 3-3, 3-70, 3-74, 3-124, 3-139, 3-141, 5-41, 5-42, 5-43, 5-45, 6-62, 6-66, 6-96

Impacts on – S-43, S-55 – S-56, S-72, S-85, S-88, 2-80, 4-31, 4-88, 4-111, 5-1, 5-41, 5-45, 6-10, 6-21, 6-32 – 6-33, 6-56, 6-58, 6-68, 6-80, 6-110, 6-124, 6-136, 6-150, 6-167, 6-180, 6-191, 6-200, 6-212, 6-222, 6-230, 6-232, 7-12, 7-24, 7-35, 7-40 – 7-41, 7-48, 8-43, 8-67, 8-97, 9-8, 9-22, 10-3, 10-7, 10-10 – 10-12

Blending – S-13, 2-8, 2-12, 2-21 – 2-24, 4-23, 9-17

C

Caliente heavy-haul truck route – See *Heavy-haul truck route, Caliente*.

Caliente/Chalk Mountain heavy-haul truck route – See *Heavy-haul truck route, Caliente/Chalk Mountain*.

Caliente-Chalk Mountain rail corridor – See *Rail corridor, Caliente-Chalk Mountain*.

Caliente intermodal transfer station – See *Intermodal transfer station, Caliente*.

Caliente/Las Vegas heavy-haul truck route – See *Heavy-haul truck route, Caliente/Las Vegas*.

Caliente rail corridor – See *Rail corridor, Caliente*.

Canister – S-14, S-23, S-78, 2-4, 2-5, 2-7, 2-8, 2-21, 2-23, 4-4, 5-2, 9-17, 9-18

 Disposable – S-12, S-13, 2-5, 2-7

 Dry storage – S-30, S-31, 2-23, 2-34, 2-66, 2-68, 2-69, 2-70, 7-17, 7-18, 7-20, 7-21, 7-23, 7-26, 7-31 – 7-32, 7-53

 Dual-purpose – S-12, S-13, 2-5, 2-7 – 2-8, 2-21 – 2-23, 4-79, 4-81, 4-84 – 4-85, 4-91, 4-93, 6-52

 High-level radioactive waste – S-89, 1-7 – 1-8, 6-44, 7-6, 7-9, 7-16 – 7-18, 7-22, 7-26, 7-43

 Manufacturing – 4-91, 4-93

Cask – S-39, S-40

 Dry storage – S-20

 Shipping – S-12, S-13, S-23, S-39, S-40, S-46, S-64, S-68, S-69, S-70, S-71, 4-91 – 4-93, 4-98, 6-4, 6-6 – 6-8

Carlin rail corridor – See *Rail corridor, Carlin*.

Chemically toxic materials – S-61, S-63, S-64, 4-64, 4-68, 4-79, 5-7, 5-32, 5-33, 5-44, 6-169, 7-35, 7-49, 8-67, 8-74, 8-75

 Waterborne impacts – S-56, S-62, S-76, 5-7, 5-20, 5-43, 8-69 – 8-76, Appendix I

Cladding – 1-6, 5-4, 5-9, 5-15, 5-17, 5-31, 5-36, 7-7, 7-10, 7-17, 7-42, 8-33, 8-69, 8-77, 8-80, 9-16, 10-2

Climate – S-14, S-44, S-51, S-54, S-61, 1-14, 3-1, 3-12, 3-15, 3-17, 3-35, 3-45, 3-53, 3-57, 3-59, 3-122, 3-133, 3-134, 3-164, 3-190, 3-191, 4-12, 4-26, 5-2, 5-4, 5-11, 5-12, 5-18, 5-19, 5-20, 5-25, 5-26, 5-29, 5-34, 5-40, 5-42, 7-5, 7-6, 7-34, 7-37, 7-41, 9-8, 10-4

Closure --

 Activities – S-14, S-20, S-21, S-41, S-44, S-65, S-77, 2-5, 2-9, 2-12, 2-15, 2-19, 2-39, 4-4, 4-6, 4-21, 10-11

 Phase – S-9, S-19, S-21, S-54, S-55, 2-39 – 2-40, 4-2, 4-4, 4-6, 4-16, 4-31, 4-38 – 4-41, 4-58, 4-68, 4-70, 4-71, 4-72, 4-80, 4-90, 5-1, 5-2, 5-9, 5-19, 5-20, 5-22, 5-23, 5-24, 5-25, 5-26, 5-27, 5-28, 5-29, 5-30, 5-31, 5-33, 5-34, 5-35, 5-37, 5-39, 5-41, 5-43, 5-44, 8-8, 8-32, 8-36, 8-41, 8-46, 8-51, 8-64, 8-65, 9-17, 9-18, 10-4

Concrete – S-66, S-73, 3-181, 4-23, 4-35, 4-74, 4-77, 6-29 – 6-30, 6-56, 6-58, 6-88, 6-103, 6-118, 6-131, 6-143, 6-156, 6-175 – 6-176, 6-187, 6-196, 6-208, 6-218, 6-228, 8-37, 8-99, 10-2, 10-9

 Batch plant – S-17, S-64, 2-20, 2-21, 3-4, 3-66, 4-6 – 4-8, 4-11, 4-70, 8-31, 9-6

 Failure – 7-42, Appendix K

 Liner – 2-26, 10-13

Storage module/storage pad – S-30, S-31, S-75, S-76, S-79, 2-66, 2-68, 4-94, 4-106 – 4-112, 4-115, 4-116, 4-117

Consolidated Group of Tribes and Organizations – S-37, S-38, S-56, 3-79, 3-81, 3-152, 3-154, 4-41, 4-88

Consultations – 6-54

Interagency and intergovernmental – S-33, 3-123, 3-152, 4-37, 6-18, 6-68, 6-83, 6-92, 6-107, 6-143, 6-181, 6-230 – 6-231, 8-6, 9-9, 9-23, 11-15 – 11-20, Appendix C

Native American – S-2, S-71, 1-23, 2-2, 2-98, 3-81, 3-123, 3-152, 4-87 – 4-88, 6-53, 6-83, 6-187, 6-230 – 6-231, 8-6, 9-12, 9-25, 11-15 – 11-16, Appendix C

State of Nevada – S-2, S-35, S-71, 3-123, 3-152, 4-87 – 4-88, 6-83, 8-6, 11-15 – 11-16, Appendix C

Corrosion – S-13, S-14, S-61, 2-9, 2-12, 2-23, 2-33, 2-36, 4-93, 4-102, 5-2, 5-4, 5-7, 5-9, 5-10, 5-13, 5-17, 5-18, 5-19, 5-25, 5-29, 5-34, 7-9, 7-10, 9-8, 9-17 – 9-18, 10-2, Appendixes I and K

Cost information – S-23, S-29, S-30, S-32, S-72, S-73, 2-62, 2-63, 2-72, 2-83, 4-82, 4-85, 4-98, 6-9, 6-57, 6-59, 6-74, 6-91, 6-105, 6-118, 6-145, 6-159, 6-177, 6-184, 6-189, 6-194, 6-197, 6-203, 6-204, 6-208, 6-214 – 6-215, 6-218, 6-224 – 6-225, 9-3

Cristobalite – S-59, 3-100, 4-6, 4-50 – 4-52, 4-54 – 4-56, 4-58 – 4-59, 4-109, 8-31 – 8-34, 9-13, 9-14, 10-2, 10-4

Critical habitat – See *Habitat, Critical habitat*.

Criticality – 2-36, 5-2, 5-10, 5-15, 5-38, 7-5, 7-18, 7-31, 7-42, 9-18

Cultural resources – S-37, S-38, 5-1, 6-10, 6-22, 6-86, 6-118, 6-130, 6-143, 6-155, 6-174, 6-186, 6-207, 6-217, 6-227, 6-230 – 6-232, 9-5, 9-12, 9-20, 9-25, 11-15, 11-16

Characterization – S-6, 3-1, 3-76, 3-151, 6-10

Impacts on – S-56, S-57, S-85, 2, 85, 2-88, 2-89, 4-39, 4-86 – 4-91, 4-112, 6-22, 6-56, 6-58, 6-63, 6-67, 6-83, 6-98, 6-112, 6-126, 6-138, 6-152, 6-168, 6-182, 6-192, 6-202, 6-213, 6-223, 6-230 – 6-232, 7-12, 7-16, 7-24, 7-48, 8-45, 8-97, 8-100, 10-3, 10-8, 10-13

Cumulative impacts – S-5, S-32, S-77, S-80, 6-25, 7-4, 7-6, 7-43, Chapter 8

D

Decisions to be made – S-1, S-2, S-6, S-7, S-29, S-32, S-35, S-36, S-89, 2-1, 2-5, 2-97, 2-98, 4-3, 4-38, 4-82, 4-88, 9-4, 9-5

Desert tortoise – S-55, S-72, S-81, S-85, 3-72, 3-73, 3-139, 3-142, 3-144, 3-145, 3-146, 3-170, 3-172, 3-173, 3-174, 4-32, 4-34 – 4-37, 4-111, 5-42, 6-21 – 6-22, 6-61, 6-68, 6-81, 6-83, 6-96, 6-124, 6-137, 6-150, 6-167, 6-181, 6-191, 6-201, 6-210, 6-212, 6-222, 7-12, 8-44, 9-9, 9-22, 10-3, 10-7, 11-17

Design – See *Repository design*.

Disposal containers – S-13, S-55, 2-5, 2-23, 2-54, 2-78, 4-66, 4-91, 4-93, 5-2, 5-3, 6-31

Disruptive events – 5-11, 5-34, 5-36, 5-43

Disturbed area(s) – S-29, S-48, S-52, S-54, S-55, S-56, S-71, S-77, S-84, S-85

Repository – 4-4, 4-6, 4-20, 4-24, 4-26, 4-27, 4-32 – 4-41, 4-71, 4-88, 4-108 – 4-111, 7-11, 7-12, 7-15, 8-39 – 8-40, 8-43, 8-44, 9-5, 9-6, 9-8 – 9-12, 9-19, 9-24, 10-2, 10-3, 10-6 – 10-7, 10-8, 10-10 – 10-12

Transportation – 6-10, 6-17, 6-22, 6-56, 6-58, 6-61 – 6-63, 6-75, 6-77, 6-79 – 6-83, 6-87, 6-91, 6-96 – 6-99, 6-105, 10-7, 10-12

Dose – S-29, S-39, S-46, S-49, S-55, S-56, S-60, S-61, S-63, S-64, S-79, S-82, 2-82, 2-85, 2-86, 4-7, 4-32, 5-1, 5-4, 5-5, 5-12, 5-16, 5-18, 5-24, 5-26, 5-30, 5-33, 5-35, 5-38, 5-44, 6-63, 7-37 – 7-42, 8-81, 8-84, 11-5, 11-13

Absorbed – 3-95, 3-96

Individual – S-39, S-46, S-49, S-62, S-63, S-64, S-82, S-87, 4-9, 4-13, 4-17, 4-32, 4-48, 4-87, 4-109 – 4-110, 4-113 – 4-114, 5-5, 5-14, 5-18, 5-22, 5-23, 5-24, 5-27, 5-32, 5-34, 5-36, 5-43, 6-6 – 6-8, 6-14 – 6-16, 6-24, 6-37 – 6-44, 6-48 – 6-50, 6-52, 6-57, 6-59, 6-70 – 6-72, 6-84, 6-100, 6-114, 6-128, 6-140, 6-154, 6-170 – 6-171, 6-184, 6-193, 6-203, 6-214, 6-224, 7-14, 7-26 – 7-30, 7-37 – 7-42, 7-50 – 7-52, 8-33, 8-38, 8-47, 8-70 – 8-73, 8-75, 8-81, 10-4

Oral Reference Dose – 5-32, 8-74 – 8-75

Peak – S-43, S-62, 5-2, 5-22, 5-29, 5-31, 8-84, 11-4, 11-5

Population (collective) – S-46, S-49, S-60, S-64, S-69, S-71, S-79, S-80, 2-87, 2-88, 3-87, 3-88, 3-90, 3-96, 3-97, 3-99, 3-192, 4-109 – 4-110, 4-113 – 4-114, 5-22, 5-23, 5-24, 5-28, 5-31, 5-35, 5-43, 6-6 – 6-8, 6-14 – 6-16, 6-24, 6-37 – 6-44, 6-48 – 6-50, 6-53, 6-52, 6-57, 6-59, 6-70 – 6-72, 6-84, 6-100, 6-114, 6-128, 6-140, 6-154, 6-170 – 6-171, 6-184, 6-193, 6-203, 6-214, 6-224, 7-14, 7-26 – 7-30, 7-37 – 7-42, 7-50 – 7-52, 8-34 – 8-37, 8-47, 8-71, 8-86 – 8-91, 8-98

Worker – S-46, S-49, S-78, S-79, 3-98, 3-186, 3-187, 4-109 – 4-110, 4-113 – 4-114, 6-6 – 6-8, 6-14 – 6-16, 6-24, 6-37 – 6-44, 6-48 – 6-50, 6-52, 6-53, 6-57, 6-59, 6-70 – 6-72, 6-84, 6-100, 6-114, 6-128, 6-140, 6-154, 6-170 – 6-171, 6-184, 6-193, 6-203, 6-214, 6-224, 7-26 – 7-30, 7-50 – 7-52, 8-34 – 8-37, 8-47, 8-85 – 8-91

Dose rate – 3-98, 3-99, 4-33, 4-51, 5-14, 5-25, 5-29, 5-32, 5-43, 6-43, 7-26, 7-37 – 42, 7-50 – 7-52, 8-87, 11-12

Dose risk – 6-13, 6-15 – 6-16, 6-24, 6-37, 6-44, 6-48 – 6-50, 6-71 – 6-72, 6-85, 6-171

Drift – S-6, S-9, S-20, S-66, 2-2, 2-9 – 2-13, 3-99, 4-51, 4-59, 5-4, 5-17, 5-20, 5-35, 5-36, 5-39, 8-9, 8-32, 8-40, 9-14, 9-16 – 9-19

Cross-drift – 3-50

East Main – S-17, S-18, 2-28, 2-29

Emplacement – S-12, S-13, S-14, S-16, S-18, S-20, S-40, S-61, S-65, 2-2, 2-10, 2-13, 2-26, 2-28, 2-29, 2-37, 4-13, 4-21, 5-1, 5-13, 8-40, 8-61, 9-17 – 9-18

Main – 2-15, 2-26, 4-4, 4-81, 4-114

Performance confirmation – S-20, 2-28, 2-31, 2-36, 2-39

West Main – S-17, S-18, 2-28, 2-29

Drip shield – S-12, S-14, S-16, S-21, S-62, 2-2, 2-19, 2-33, 2-35, 2-36, 2-37, 4-91 – 4-100, 4-102, 5-3, 5-4, 5-7, 5-8, 5-9, 5-10, 5-11, 5-17, 5-19, 5-36, 6-31, 8-88, 8-100, 9-8, 9-17, 10-2

Dry storage – S-30, 1-4, 1-7, 4-91 – 4-94, 4-106, 7-17, 7-18, 7-20 – 7-21, 7-23, 7-26, 7-31 – 7-32, 7-53

Dust – S-46, S-59, 2-25, 2-31, 2-32, 3-14, 3-100, 3-111, 4-6, 4-21, 4-38, 4-50, 4-56, 4-59, 4-79, 4-88, 4-109, 6-16, 6-20, 6-22, 6-42, 6-77 – 6-78, 6-82, 6-87, 6-95, 6-108, 6-122, 6-135, 6-147 – 6-149, 6-162 – 6-163, 6-167, 6-168, 6-174, 6-199, 7-11, 7-23, 7-34, 76-46, 8-31, 8-41, 8-96, 8-97, 9-6, 9-8, 9-12, 9-14, 9-20, 9-23, 9-24, 9-28

E

Effective dose equivalent – 3-95, 5-22, 5-24, 7-40, 8-38, 8-47

Emissions --

Air – S-85, 3-99, 4-6, 4-23, 4-96, 6-9, 6-20, 6-53, 7-11, 7-23, 7-34, 7-46, 8-17, 8-19, 8-21, 8-31 – 8-33, 8-86 – 8-87, 8-96, 9-5, 9-6, 9-20

Criteria pollutants – S-46, 3-2, 3-12, 3-133, 3-164, 4-6, 4-95 – 4-96, 4-109, 6-9, 6-16, 6-20, 6-55 – 6-59, 6-62, 6-77, 6-147, 6-161 – 6-164, 6-211, 6-221, 6-229, 7-23, 7-46, 8-31, 8-37, 8-86, 8-87, 9-6, 9-20, 10-2, 10-5, 10-6, 10-12, 11-2, 11-7, 11-14, 11-23, 11-24

Vehicle – S-79, S-81, S-83, S-87, 3-164, 4-11 – 4-12, 4-88, 6-8, 6-11, 6-15, 6-23, 6-31, 6-39, 6-41, 6-42, 6-55 – 6-59, 6-62, 6-65, 6-71, 6-100, 6-114, 6-127, 6-140, 6-147, 6-154, 6-183, 6-193, 6-199, 6-203, 6-214, 6-224

Emplacement – S-8, S-9, S-12, S-14, S-19, S-20, S-21, S-54, S-60, S-61, S-65, S-77, S-78, 2-32, 5-1, 5-2, 5-9, 5-12, 4-2 – 4-3, 4-10, 4-53, 5-13, 5-31, 5-37, 5-39, 8-2, 8-7 – 8-9

Emplacement pallet – 2-32, 4-92, 4-94, 5-7, 8-68, 8-101

Endangered species – See *Threatened and endangered species*.

Environmental justice – S-38, S-66 – S-67, S-87, 3-2, 3-3, 3-112, 3-119, 3-160, 3-182, 4-85, 4-104, 4-116, 5-1, 6-10, 6-13, 6-14, 6-31, 6-53, 6-57, 6-59, 6-61, 6-66, 6-228, 7-4 – 7-6, 7-16, 7-32, 7-42, 7-53, 8-67, 8-100, 8-104, 11-16

Erionite – 3-24, 3-100, 4-50 – 4-52, 4-54 – 4-56, 4-58 – 4-60, 7-13, 9-13, 10-2, 10-4

Evaporation pond – 2-20, 2-25, 2-31, 2-65, 3-189, 4-21 – 4-22, 4-35, 4-81

Excavated rock storage area – 2-20, 2-25, 2-31, 3-4, 4-6, 4-33, 4-76

Exploratory Studies Facility – S-6, S-48, 1-19, 3-4, 3-20, 3-25, 3-27, 3-28, 3-30, 3-33, 3-37, 3-38, 3-39, 3-50, 3-54, 3-60, 3-64, 3-66, 3-71, 3-76, 3-88, 3-92, 3-98, 3-99, 3-100, 3-101, 3-108, 3-109, 3-110, 4-9, 4-10, 4-26, 4-51, 7-12

F

Fatalities --

Latent cancer – S-40, S-59, S-60, S-61, S-64, S-69, S-70, S-71, S-74, S-75, S-76, S-78, S-79, S-80, S-83, S-84, S-85 – S-86, S-88, 2-79, 2-81, 2-82, 2-83, 2-84, 3-96, 3-97, 4-49 – 4-68, 4-95, 4-98, 4-113 – 4-114, 5-22, 5-33, 5-32, 5-44, 6-11 – 6-16, 6-24, 6-37 – 6-50, 6-42 – 6-44, 6-47 – 6-50, 6-53, 6-55 – 6-60, 6-66, 6-70 – 6-72, 6-84 – 6-85, 6-100, 6-114, 6-128, 6-140, 6-154, 6-170 – 6-171, 6-184, 6-193, 6-203, 6-214, 6-224, 6-229, 7-14, 7-15, 7-27 – 7-29, 7-40 – 7-42, 7-49 – 7-52, 8-25, 8-26, 8-38, 8-47, 8-70, 8-71, 8-84, 8-86 – 8-91, 8-97, 8-100, 8-104, 10-4, 10-5, 10-8

Long-term – 2-85, 7-27 – 7-28, 7-32 – 7-33, 7-37, 7-49 – 7-52

Nonrepository-related – 8-47

Traffic – S-69, S-79, S-82, S-83, S-87, 6-11, 6-13 – 6-15, 6-23, 6-31, 6-39, 6-57 – 6-50, 6-55 – 6-61, 6-63, 6-71, 6-85, 6-99, 6-114, 6-147, 6-139, 6-153, 6-169, 6-171, 6-183, 6-192, 6-202, 6-213, 6-223, 7-16, 7-32, 7-33, 7-53 – 7-54, 8-87, 8-88, 8-90 – 8-91, 8-98, 9-13, 9-26, 10-4, 10-5, 10-8

Transportation-related – S-75, S-76, S-80, S-88, 2-78, 2-83, 6-10 – 6-16, 6-45 – 6-47, 10-5, 10-8

Vehicle emissions – S-87, 6-8, 6-11, 6-15, 6-23, 6-31, 6-39, 6-41, 6-42, 6-55 – 6-59, 6-62, 6-65, 6-71, 6-100, 6-114, 6-127, 6-140, 6-147, 6-154, 6-183, 6-193, 6-199, 6-203, 6-214, 6-224, 7-33, 7-54, 10-5, 10-8

Worker – S-59, S-74, S-75, S-76, S-78, S-80, S-81, S-83, 3-101, 4-54, 4-56, 4-59, 4-61 – 4-62, 4-66 – 4-67, 4-98, 6-112, 6-11 – 6-16, 6-23 – 6-24, 6-31, 6-35 – 6-45, 6-53, 6-55, 6-57, 6-59, 6-61, 6-70, 6-71, 6-84, 6-84 – 6-85, 6-100, 6-114, 6-128, 6-140, 6-154, 6-170 – 6-171, 6-184, 6-193, 6-203, 6-214, 6-224, 6-229, 7-13 – 7-14, 7-25 – 7-26, 7-37 – 7-38, 8-54, 8-86 – 8-01, 8-98, 8-100, 8-104, 10-4, 10-5, 10-8

Flexible design – See *Repository design, Flexible design.*

Floodplain/Wetlands Assessment – 3-167, 4-1, 4-25, 6-79, 6-165, 8-22, 11-9 – 11-10, Appendix L

Floodplain – S-52, S-72, S-84, 4-21, 4-25, 6-79, 6-165, 7-38, 8-39, 8-40, 8-96, 8-103, 9-7, 9-12, 9-20, 9-21, 9-22, 9-25, 10-2, 10-7, 11-9, 11-10, 11-19, 11-23, 11-24

G

Geology – S-6, S-14, S-49, S-51, 1-24, 3-1, 3-17, 6-65, 6-94 – 6-96

Ground support – 2-33

Groundwater – S-41, S-44, S-51, S-52 – S-54, 1-24, 3-1, 3-3, 3-5, 3-22, 3-27, 3-34, 3-35, 3-39, 3-49, 3-50 – 3-69, 3-107, 3-124, 3-134 – 3-139, 3-162, 3-167 – 3-170, 3-192, 4-18, 4-25, 4-72, 4-110, 5-1, 5-7, 5-13, 5-20, 5-22, 5-23, 6-10, 6-21, 6-56, 6-58, 6-62, 6-80, 6-94, 6-108 – 6-110, 6-122 – 6-124, 6-135 – 6-136, 8-3, 8-4, 8-5, 8-19, 8-23, 8-40, 8-43, 8-72, 8-77, 8-80, 8-96 – 8-97, 8-103, 9-5, 9-7 – 9-8, 9-22, 10-2, 11-4, 11-5

Contamination – S-30, S-41, S-43, S-54, S-56, S-61, S-75, S-77, S-78, S-79, S-84, 3-69, 5-9, 5-20, 5-22, 5-24, 5-27, 5-33, 5-43, 5-41, 5-44, 7-7, 7-24, 7-33, 7-34, 7-35, 7-37, 7-40, 7-41, 7-47, 7-49, 8-5, 8-69, 8-70, 8-71, 8-72, 8-73, 8-79, 8-85, 8-81, 8-82, 8-83, 8-84, 8-85, 8-97, 8-103, 9-18, 10-3, 10-4, 10-11

Flow/Flow Path – S-41, S-44, S-52, S-54, S-61, 3-5, 3-40, 3-41, 3-42, 3-45, 3-46, 3-47, 3-48, 3-53, 3-56, 3-57, 3-60, 3-62, 3-63, 3-64, 3-69, 3-190, 3-192, 8-70, 8-72, 8-73, 8-75, 8-79, 8-82, 9-8, 10-4

Perennial yield – 3-48, 3-49, 3-107, 3-134, 3-136, 3-138, 3-146, 3-168, 3-169, 3-170, 4-20, 4-28, 4-31, 8-103, 10-2

Recharge – S-52, S-54, 3-45, 3-63

Travel time – S-41, 3-46, 3-55, 3-56, 3-192

Groundwater basin – S-51, S-52, S-53, S-54, 3-35, 3-40, 3-44, 3-45, 3-46, 3-68, 3-134, 3-136, 3-138, 3-167, 3-168, 3-169, 3-170, 6-94, 6-108, 6-109, 6-110, 6-122, 6-136, 6-149, 6-150, 6-180, 6-190, 6-200, 9-8, 10-7

H

Habitat – S-45, S-55, S-72, S-85, S-103, 3-7, 3-48, 3-73, 3-74, 3-128, 3-139, 3-170, 3-171, 3-172, 3-173, 3-174, 3-175, 5-43, 11-16, 11-18, 11-19

Critical habitat – S-55, S-72 3-140, 3-142, 3-144, 3-145, 3-146, 3-171, 3-172, 3-173, 3-174

Hazardous waste – 2-24, 2-27, 2-82, 3-2, 3-4, 3-10, 3-110, 3-111, 3-154, 4-23, 4-68, 4-79, 4-80, 4-81, 4-82, 4-83, 4-84, 4-116, 7-15, 8-66, 8-84, 8-86, 8-99, 10-9, 11-13, 11-21, 11-23

Heavy-haul truck routes – S-2, S-23, S-27, S-28, S-36, S-68, S-71, S-90, 1-25, 2-54, 3-118, 3-119, 3-121, 3-161, 3-6, 6-12, 6-17, 6-20, 6-22, 6-28, 6-156 – 6-228, 11-1, 11-2, 11-4, 11-6, 11-10, 11-12, 11-19, 11-25

Caliente – S-21, S-73, 3-164, 3-165, 3-171, 3-172, 3-175, 3-176, 3-177, 3-178, 3-181, 3-182, 6-2, 6-3, 6-18, 6-21, 6-23, 6-24, 6-27, 6-30, 6-58, 6-60, 6-177 – 6-187

Caliente/Chalk Mountain – S-21, S-73, 3-164, 3-165, 3-170, 3-171, 3-175, 3-178, 3-181, 3-182, 6-2, 6-3, 6-18, 6-21, 6-23, 6-24, 6-27, 6-30, 6-58, 6-60, 6-187 – 6-197

Caliente/Las Vegas – S-21, S-73, S-74, 3-164, 3-165, 3-172, 3-177, 3-178, 3-188, 3-182, 6-2, 6-3, 6-18, 6-21, 6-23, 6-24, 6-27, 6-30, 6-58, 6-60, 6-197 – 6-208

Sloan/Jean – S-21, S-73, S-74, 3-164, 3-165, 3-167, 3-168, 3-173, 3-174, 3-175, 3-177, 3-179, 3-181, 3-182, 6-2, 6-3, 6-18, 6-21, 6-23, 6-24, 6-27, 6-30, 6-208 – 6-218

Apex/Dry Lake – S-21, S-73, S-74, 3-164, 3-165, 3-167, 3-168, 3-174, 3-175, 3-177, 3-179, 3-181, 3-182, 6-2, 6-3, 6-18, 6-21, 6-23, 6-24, 6-27, 6-30, 6-58, 6-60, 6-218 – 6-228

Higher-temperature operating mode – See *Operating mode, Higher-temperature*.

High-level radioactive waste – S-3, S-4, S-5, S-14, S-16, S-22, S-24, S-63, S-64, S-78, S-89, 1, 1-4, 1-7, 3-188, 4-64, 4-68, 4-118, 5-1, 5-3, 5-5, 5-6, 5-11, 5-18, 5-39

Hydrology – 1-19, 1-24, 3-3, 3-5, 3-119

Characterization – 3-3, 3-34, 3-69, 3-121, 3-124, 3-134 – 3-139, 3-162, 3-165, 3-170

Impacts on – S-51 – S-54, S-84, 4-19 – 4-31, 6-20, 6-21, 6-56, 6-58, 6-62, 6-78, 6-80, 6-93 – 6-96, 6-107 – 6-110, 6-121 – 6-124, 6-135 – 6-136, 6-148 – 6-150, 6-164 – , 6-179 – 6-180, 6-190 – 6-191, 6-199 – 6-200, 6-211 – 6-212, 6-221 – 6-222, 7-11 – 7-12, 7-23 – 7-24, 7-34, 7-47, 8-22 – 8-23, 8-39 – 8-43, 8-96 – 8-97, 8-103, 9-6 – 9-8, 9-21 – 9-22, 10-2 – 10-3, 10-7, 10-11

I

Igneous intrusion – See *Intrusion, igneous*.

Incomplete and unavailable information – S-34, S-36, S-43, S-44, 2-94, 5-11, 5-12

Institutional control(s) – S-9, S-21, S-29, S-30, S-31, S-32, S-36, S-44, S-74, S-76, S-83, S-87, S-88, 5-1, 5-22, 11-5

Interagency and intergovernmental interactions – See *Consultations*.

Intermodal transfer stations – S-23, S-68, S-71, S-72, 2-76, 3-112, 3-121, 3-154, 3-161, 6-2, 6-39, 6-43, 6-70, 6-156, 6-159 – 6-177, 8-87, 8-91, 8-103, 11-6, 11-10, 11-17, 11-20

Apex Bulk commodities – S-77, 8-17, 8-92 – 8-100

Apex/Dry Lake – S-21, S-27, S-28, S-71, 3-163, 3-164, 3-165, 3-167, 3-168, 3-174, 3-175, 3-177, 3-179, 3-181, 3-182, 6-2, 6-23, 6-24, 6-58 – 6-60, 6-157, 6-158, 6-16-, 6-219

Caliente – S-21, S-27, S-28, S-71, S-85, S-86, 3-165, 3-167, 3-170, 3-175, 3-179, 3-1816-2, 6-23, 6-24, 6-58 – 6-60, 6-157, 6-158, 6-160, 6-178, 6-188, 6-198, 8-25, 8-92 – 8-100

Low-level waste – 8-15, 8-92 – 8-100

Sloan/Jean – S-21, S-27, S-28, S-71, 3-163, 3-165, 3-167, 3-168, 3-173, 3-174, 3-175, 3-177, 3-179, 3-181, 3-182, 6-2, 6-23, 6-24, 6-58 – 6-60, 6-157, 6-158, 6-160, 6-209

Intrusion – S-9, S-67, S-68, S-82, 3-34, 4-40, 4-41, 4-68 – 4-69, 4-78

Human – S-62, 5-34, 5-35, 5-44

Igneous – S-51, S-62, 5-35 – 5-38, 5-40 – 5-41, 5-44

Inventory (spent nuclear fuel and high-level radioactive waste) – S-3, S-5, S-14, S-32, S-75, S-78, 1-6, 1-11, 1-24, 1-25, 4-92, 5-3, 5-40, Appendix A

Inventory Modules 1 and/or 2 – S-77, S-78, S-79, S-80, 8-1, 8-2, 8-3, 8-6 – 8-10, 8-20, 8-21 – 8-28, 8-31 – 8-76, 8-85 – 8-91, 8-100 – 8-101

Invert – 2-11, 2-33, 2-35, 2-37, 2-65

Irreversible or irretrievable commitment of resources – S-43, S-81

J

Jean rail corridor – See *Rail corridor, Jean*.

L

Land use and ownership – 1-24, 3-1, 5-1, 6

Characterization – S-47, S-103, 3-6, 3-124, 3-163, 3-184, 3-188

Impacts on – S-45, S-46, S-84, 4-4, 4-88, 4-91, 4-94, 4-106 – 4-108, 6-9, 6-17, 6-19, 6-56, 6-58, 6-62, 6-75 – 6-77, 6-91 – 6-93, 6-105 – 6-107, 6-120 – 6-121, 6-133 – 6-134, 6-145 – 6-147, 6-19 – 6-161, 6-177 – 6-179, 6-189 – 6-190, 6-197 – 6-199, 6-208 – 6-210, 6-220, 7-11, 7-22, 7-34, 7-46, 8-21, 8-29 – 8-31, 8-92 – 8-95, 8-103, 9-5, 9-19 – 9-20, 10-1 – 10-2, 10-6, 10-11

Land withdrawal area – S-44, S-45, S-46, S-48, S-55, S-56, S-84, 1-3, 3-5, 3-124, 3-163, 3-184, 3-188, 4-5, 4-34, 4-41, 4-65, 4-87 – 4-90, 11-2

License Application – S-2, S-7, S-8, S-19, S-35, 1-11, 1-12, 1-20, 1-22, 4-2, 4-4

Licensing – S-7, S-19, S-62, S-81, 1-16, 3-9, 3-11, 4-1 – 4-5, 4-22, 4-100, 4-105, 11-1, 11-4, 11-6, 11-20, 11-22, 11-23

Linear thermal load – 2-9, 4-102

Long-term repository performance – S-7, S-12, S-14, S-61, S-81, S-82, S-89, 1-21, Chapter 5, Appendix I

Lower-temperature repository operating mode – See *operating mode, Lower-temperature*.

M

Maximally exposed individual – S-39, S-46, S-49, S-59, S-60, S-61, S-63, S-64, S-70, S-78, S-82, S-87, 3-188, 3-190, 4-7, 4-10 – 4-11, 4-13 – 4-19, 4-49, 4-52 – 4-67, 4-109 – 4-110, 4-113 – 4-114, 5-32, 11-4, 11-5

Mitigation – S-52, S-80, S-81, S-85, 1-25, 3-81, 4-37, 4-40, 4-41, 4-89, 5-17, 6-18, 6-22, 6-31, 6-40, 6-71, 6-84, 6-148, 6-167, 6-168, 6-171, 6-181, 6-191, 6-192, 6-230, 6-231, 6-232, 7-23, 7-47, 8-1, 8-25, 8-92, 8-95, 8-96, 8-97, Chapter 9, 10-1, 10-12, 10-13, 11-10, 11-21

N

National Environmental Policy Act (NEPA) – S-2, S-3, S-34, S-36, S-43, S-71, S-81, 1-16, 1-25 – 1-31, 4-76, 4-84, 6-23, 6-54, 6-79, 6-84, 6-130, 6-232, 8-1, 8-2, 8-10, 8-15, 11-3, 11-5, 11-7, 11-10, 11-21, 11-23, 11-24

National Register of Historic Places – S-56, 3-76, 3-77, 3-78, 3-151, 3-152, 3-154, 3-175, 3-176, 4-39, 4-40, 4-112, 6-98, 6-112, 6-113, 6-126, 6-139, 6-152, 6-182, 6-192, 6-202, 6-213, 8-97, 11-15

National transportation --

Barge – S-23, S-28, S-68, 2-6, 2-40, 2-46, 2-47, 2-74, 3-119, 3-121, 6-1, 6-2, 6-3, 6-12, 6-32, 6-35, 6-41, 6-43, 6-49

Mostly rail – S-2, S-9, S-21, S-23, S-35, S-36, S-68, S-69, S-70, S-79, S-80, S-88, S-89, 1-3, 2-2, 2-7, 2-13, 2-46, 2-47, 2-51, 2-74, 2-83, 2-84, 2-86, 2-87, 2-96, 2-98, 6-1, 6-3, 6-4, 6-5, 6-11, 6-12, 6-13, 6-14, 6-15, 6-16, 6-17, 6-20, 6-32, 6-33, 6-35, 6-38, 6-41 – 6-43, 6-49 – 6-50, 6-51, 6-53, 6-54, 6-55, 6-56 – 6-60, 6-61, 6-68 – 6-72, 6-73, 6-74, 6-156, 6-157, 6-158, 6-171, 6-229, 8-8, 8-26, 8-85, 8-87, 8-88, 8-90, 8-96, 8-103

Mostly legal-weight truck (includes Nevada) – S-2, S-21, S-23, S-36, S-68, S-70, S-79, S-80, S-89, 1-3, 2-13, 2-46, 2-47, 2-51, 2-74, 2-86, 2-87, 2-88, 2-98, 6-1, 6-3, 6-4, 6-5, 6-8, 6-11, 6-12, 6-13, 6-14, 6-15, 6-16, 6-17, 6-21, 6-24, 6-31, 6-33, 6-35, 6-38, 6-39, 6-39 – 6-41, 6-47 – 6-49, 6-51, 6-53, 6-54, 6-55, 6-56 – 6-60, 6-61, 6-156, 6-229, 8-8, 8-26, 8-85, 8-87, 8-88, 8-89, 8-90, 8-92, 8-96, 8-103, 10-5, 10-9

Native Americans

Interactions – 3-79, 4-40 – 4-41, Appendix C

Treaty issues – See *Ruby Valley Treaty*.

Nellis Air Force Base – 3-92, 3-110, 3-132, 3-157

Nellis Air Force Range – S-10, S-25, S-26, S-27, S-45, S-47, S-48, S-72, S-73, S-74, S-77, S-79, S-84, 1-17, 1-31, 2-51, 2-53, 2-59, 2-88, 2-89, 2-91, 2-98, 3-6, 3-7, 3-8, 3-9, 3-10, 3-11, 3-13, 3-37, 3-83, 3-94, 3-104, 3-114, 3-115, 3-125, 3-126, 3-127, 3-129, 3-130, 3-132, 3-134, 3-154, 3-157, 3-166, 3-175, 3-177, 3-178, 3-180, 6-9, 6-17, 6-19, 6-56, 6-58, 6-69, 6-73, 6-75, 6-79, 6-86, 6-89, 6-90, 6-92, 6-94, 6-104, 6-105, 6-107, 6-109, 6-118, 6-119, 6-120, 6-121, 6-123, 6-126, 6-130, 6-131, 6-132, 6-144, 6-145, 6-146, 6-149, 6-158, 6-173, 6-178, 6-187, 6-188, 6-189, 6-190, 6-191, 6-193, 6-196, 6-198, 6-219, 8-3, 8-10, 8-11, 8-13, 8-31, 8-95, 10-1

Nevada legal-weight truck transportation – See *National transportation, Legal-weight truck*.

Nevada Test Site – S-10, S-44, S-45, S-47, S-48, S-51, S-54, S-57, S-66, S-67, S-77, S-78, S-79, 1-14, 1-15, 1-17, 1-24, 2-27, 2-51, 2-53, 2-59, 3-2, 3-4, 3-5, 3-6, 3-8, 3-9, 3-10, 3-11, 3-13, 3-14, 3-19, 3-32, 3-41, 3-45, 3-46, 3-47, 3-48, 3-64, 3-66, 3-69, 3-73, 3-74, 3-77, 3-82, 3-83, 3-92, 3-93, 3-94, 3-98, 3-99, 3-104, 3-105, 3-106, 3-108, 3-109, 3-110, 3-111, 3-114, 3-115, 3-125, 3-127, 3-130, 3-131, 3-132, 3-133, 3-134, 3-136, 3-144, 3-146, 3-147, 3-152, 3-154, 3-157, 3-158, 3-166, 3-169, 3-172, 3-173, 3-174, 3-175, 3-176, 3-177, 3-178, 3-181, 4-5, 4-10, 4-13, 4-14, 4-15, 4-16, 4-18, 4-19, 4-28, 4-29, 4-31, 4-35, 4-36, 4-38, 4-45, 4-72, 4-76, 4-78, 4-80, 4-82, 4-83, 4-84, 4-110, 5-21, 6-9, 6-41, 6-71, 6-74, 6-75, 6-77, 6-79, 6-87, 6-93, 6-94, 6-108, 6-109, 6-119, 6-120, 6-122, 6-123, 6-126, 6-130, 6-131, 6-135, 6-143, 6-146, 6-148, 6-149, 6-173, 6-187, 6-188, 6-192, 6-193, 6-196, 6-197, 6-208, 6-218, 6-219, 7-13, 7-16, 8-3 – 8-5, 8-10 – 8-15, 8-17, 8-20, 8-21 – 8-28, 8-30, 8-31, 8-35, 8-36, 8-37, 8-38, 8-42, 8-43, 8-45, 8-46, 8-47, 8-57, 8-60, 8-63, 8-65, 8-66, 8-76 – 8-84, 8-90, 8-92, 8-96, 8-99, 8-103, 8-104, 10-1, 11-5, 11-13

No-Action Alternative – See *Alternatives, No-Action*.

Noise and vibration --

Characterization -- 3-3, 3-6, 3-101 – 3-104, 3-119, 3-124, 3-156 – 3-157, 3-162, 3-178 – 3-179

Impacts – S-65 – S-65, S-86, 2-81, 2-85, 2-89, 2-91, 4-34, 4-69 – 4-70, 4-88, 4-91, 4-95, 4-115, 6-4, 6-10, 6-22, 6-28, 6-32, 6-53, 6-56, 6-58, 6-61, 6-65 – 6-66, 6-67, 6-68, 6-82, 6-83, 6-86 – 6-87, 6-102 – 6-103, 6-117 – 6-118, 6-130 – 6-131, 6-142 – 6-143, 6-155 – 6-156, 6-172 – 6-174, 6-179, 6-186 – 6-187, 6-196, 6-201, 6-206 – 6-207, 6-217, 6-227, 6-230, 6-232, 7-15, 7-31, 7-33, 7-52, 8-27, 8-59, 8-91, 8-98 – 8-99, 8-104, 9-27, 10-9

Nominal scenario – 5-2, 5-18, 5-23, 5-26, 5-27, 5-30, 5-31, 5-34, 5-36, 5-37, 5-38, 5-43

North Portal – S-18, 2-19, 2-25, 2-27, 2-61, 3-4, 3-39, 3-74, 4-21, 4-22, 4-35, 4-76, 4-78

North Portal Operations Area – S-10, S-17, S-20, S-52, 2-15, 2-16, 2-19 – 2-25, 2-27, 2-28, 4-6, 4-7, 4-8, 4-11, 4-14, 4-16, 4-23, 4-26, 4-35, 4-69, 4-70, 4-76, 4-81, 4-106, 4-107, 4-109, 4-115, 8-9, 8-35, 8-36, 8-37

Notice of Intent – S-8, S-34, 1-23

Nuclear testing – S-78, S-79, 3-2, 3-10, 3-54, 3-69, 3-98, 3-99, 3-110, 8-77, 8-79 – 8-82, 8-83

Nuclear Waste Policy Act of 1982 – S-1, S-3, S-5, S-33, S-77, 1-9, 1-12, 1-13, 1-6, 11-3

Nuclear Waste Policy Act, as amended (NWPA) – S-1, S-2, S-3, S-6, S-7, S-21, S-32, S-33, S-35, S-36, S-40, S-81, S-89, 1-1, 1-3, 1-9, 1-10, 1-11, 1-12, 1-13, 1-16, 1-21, 1-22, 1-23, 2-1, 2-46, 2-64, 2-72, 2-73, 2-97, 3-1, 3-90, 4-1, 4-31, 4-105, 6-46, 7-43, 7-45, 9-1, 9-26, 11-1, 11-4

O

Occupational and public health and safety --

Characterization – 3-2, 3-3, 3-5, 3-93, 3-95 – 3-101, 3-162, 3-186 – 3-188, 3-189 – 3-190

Impacts on – S-59 – S-63, S-75, S-78, S-85 – S-86, 2-80 – 2-81, 4-48 – 4-63, 4-112 – 4-114, 6-23 – 6-25, 6-31, 6-32, 6-63, 6-70 – 6-72, 6-84 – 6-85, 6-99, 6-113 – 6-114, 6-127, 6-139 – 6-142, 6-153, 6-169 – 6-171, 6-183 – 6-184, 6-192 – 6-193, 6-202 – 6-203, 6-213 – 6-214, 6-223 – 6-224, 7-13 – 7-15, 7-25 – 7-29, 7-35, 7-37 – 7-41, 7-49 – 7-52, 8-25 – 8-26, 8-28, 8-47 – 8-50, 8-91, 8-98, 9-14, 9-26 – 9-27, 10-4 – 10-5, 10-5 – 10-6, 10-8 – 10-9, 10-11

Operating modes

Higher-temperature – S-12, S-18, S-20, S-21, S-23, S-55, S-59, S-60, S-61, S-62, S-78, 1-20, 2-7, 2-9, 2-10, 2-10 – 2-12, 2-19, 2-25, 2-26, 2-28, 2-31, 2-32, 2-40, 2-63, 2-83, 4-3, 4-4, 4-90 – 4-91, 4-94, 4-106, 5-23 – 5-27, 5-31, 5-34, 5-35, 5-37, 5-38, 9-16, 9-17

Lower-temperature – S-7, S-12, S-17, S-20, S-21, S-23, S-30, S-52, S-57, S-59, S-60, S-61, S-62, S-66, S-77, S-78, 1-20, 2-7, 2-9, 2-10, 2-12 – 2-13, 2-15, 2-19, 2-21, 2-24, 2-25, 2-28, 2-32, 2-40, 2-63, 2-83, 4-3, 4-4, 4-11, 4-90 – 4-91, 4-93, 4-94, 4-106, 4-117, 5-3, 5-4, 5-27 – 5-30, 5-31, 5-34, 5-37, 7-9, 9-17

Operation and monitoring phase – S-19, S-19 – S-20, S-43, S-52, S-54, S-55, S-65, S-83, 2-31, 2-33, 4-3, 4-6, 4-12, 4-23, 4-24, 4-27, 4-28, 4-38, 4-77, 4-81, 4-82, 6-31, 6-82, 6-134, 6-146, 8-8, 8-32, 8-33, 8-34, 8-35, 8-36, 8-40, 8-41, 8-42, 8-45, 8-46, 8-55, 8-57, 8-61, 8-62, 8-63, 8-64, 8-65, 10-4

Opposing views – S-85, S-87, 2-80, 2-82, 2-94 – 2-95, 3-5, 3-60, 3-63

P

Payments-Equal-to-Taxes – 3-90 – 3-91

Perceived risk – Appendix H

Perennial yield – See *Groundwater, Perennial yield*.

Performance confirmation – S-14, S-41, S-43, S-45, 2-5, 2-15, 2-16, 2-19, 2-39, 4-1, 4-3, 4-4, 9-5, 9-8, 9-19, 11-4

Physiography – 3-17 – 3-27

Postclosure – S-6, S-19, S-55, S-56, 1-21, 1-24, 3-33, 4-40 – 4-41, 4-68, 4-90, Chapter 5, 11-4, Appendix I

Preclosure – S-6, S-49, S-54, S-55, S-60 – S-61, S-88, 4-2, 11-4

Preferred alternative – See *Alternative, preferred*.

Preliminary Site Suitability Evaluation – S-7, 1-21

Private Fuel Storage LLC (Skull Valley facility) – S-29, 1-22, 1-30

Proposed Action – See *Alternatives, Proposed Action*.

Public comment on the Draft EIS – S-3, S-32, S-34, S-57, 1-12, 1-23, 1-26 – 1-27

Public comment on the Supplement to the Draft EIS – S-3, S-32, S-34, 1-12, 1-20, 1-27

Public involvement (activities) – S-34, 1-11, 1-12, 1-23, 1-24

R

Radiologically Controlled Area – S-17, 2-19, 2-20, 4-22, 4-23

Rail corridors – S-2, S-23, S-24, S-35, S-36, S-39, S-68, S-71, S-84 – S-86, S-89, S-90, 1-3, 1-4, 1-25, 2-1, 2-2, 2-14, 2-45, 2-51, 2-53, 2-72, 2-76, 2-79, 2-80, 2-82, 2-88, 2-96, 2-97, 2-98, 3-118, 3-119, 3-121, 3-122 – 3-160, 6-1, 6-9, 6-10, 6-16 – 6-31, 6-35, 6-54, 6-61, 6-66, 6-74 – 6-89, 6-228 – 6-232, 8-16, 8-91, 8-95, 8-97, 8-104, 9-22, 10-6, 10-9, 10-13

Caliente – S-21, S-26, S-71, S-72, 2-51, 2-52, 2-89, 2-91, 3-122 – 3-160, 6-9, 6-17, 6-18, 6-19, 6-20, 6-27, 6-30, 6-56, 6-58, 6-61, 6-73, 6-74, 6-89 – 6-103, 6-229, 8-17, 8-99, 9-20, 10-6

Carlin – S-21, S-26, S-71, S-72, 2-51, 2-52, 2-89, 2-91, 3-122 – 3-160, 6-9, 6-17, 6-18, 6-19, 6-20, 6-27, 6-30, 6-56, 6-58, 6-73, 6-74, 6-103 – 6-118, 6-229, 8-4, 8-17, 8-92, 8-97, 8-99, 9-20, 10-6

Caliente-Chalk Mountain – S-21, S-26, S-32, S-71, S-72, S-74, 1-26, 2-52, 2-53, 2-88, 2-89, 2-91, 3-122 – 3-160, 6-17, 6-18, 6-19, 6-27, 6-30, 6-56, 6-58, 6-73, 6-74, 6-118 – 6-131, 10-6

Jean – S-21, S-26, S-71, S-72, S-74, 2-52, 2-53, 2-89, 2-91, 3-122 – 3-160, 6-9, 6-17, 6-18, 6-19, 6-27, 6-29, 6-30, 6-31, 6-56, 6-58, 6-61, 6-73, 6-74, 6-131 – 6-143, 8-4, 8-17, 8-20, 8-27, 8-99, 10-9

Valley Modified – S-21, S-26, S-71, S-72, S-74, 2-52, 2-53, 2-88, 2-89, 2-91, 3-122 – 3-160, 6-9, 6-17, 6-18, 6-19, 6-20, 6-27, 6-30, 6-55, 6-56, 6-58, 6-61, 6-73, 6-74, 6-143 – 6-156, 6-229, 6-230, 8-17, 9-20, 9-21, 10-6

Reasonably maximally exposed individual (RMEI) – S-49, S-62, 5-2, 5-5, 5-22, 5-43, 11-4, 11-5

Reclamation – S-21, S-29, S-54, S-55, S-74, S-88, 1-22, 2-1, 2-40, 2-64, 2-65, 2-72, 2-85, 3-4, 4-16, 4-24, 4-27, 4-34, 4-35, 4-38, 4-90, 4-111, 6-80, 6-87, 6-167

Repository design – S-33, S-34 – S-35, S-51, 1-20, 2-8 – 2-13, 2-14, 2-73, 3-85, 4-4, 4-22 – 4-23, 4-51, 4-64 – 4-69, 4-71, 4-85, 5-15, 5-16, 6-1, 8-6 – 8-9, 9-1, 9-15, 9-19, 11-4, 11-20

Draft EIS design – S-9, S-40, 1-19, 2-9

Flexible design – S-12, S-13, S-14, S-20, S-40, S-84 – S-87, 1-20, 4-10, 4-12, 4-100 – 4-101, 2-9 – 2-10, 2-28 – 2-29, 2-31, 2-61, 6-10, 6-17, 7-9, 8-46, 8-63, 9-16

Repository operating mode – S-12, 4-90

Higher-temperature – S-12, S-20 – S-23, 1-20, 2-10, 4-3, 5-23, 8-9, 8-70, 9-16 – 9-17

Lower-temperature – S-12, S-20 – S-23, 1-20, 2-12, 4-3, 5-27, 8-9, 8-72, 9-16 – 9-17

Retrieval – S-20 – S-21, 2-16, 2-33, 4-3, 4-55, 4-105, 7-5, 9-17, 9-19

Ruby Valley Treaty – S-38, S-45, 3-11

S

Sabotage – S-67 – S-68, S-70, S-76, 1-24, 2-86, 4-68, 4-78, 5-1, 6-4, 6-50, 7-16, 7-33, 7-42, 7-54, 10-10

Science and Engineering Report flexible design – See *Repository design, flexible design*.

Scoping – S-32, S-34, S-37, S-77, 1-23 – 1-25, 3-1, 3-81, 8-2, 8-29, 2-101, 3-1, 3-81

Seismic Activity – S-42, S-51, S-61, S-63 – S-64, 3-1, 3-28, 3-32, 4-64 – 4-67, 5-10, 5-40, 7-5, 7-30 – 7-31, 7-53, 10-4

Shipping casks – See *Cask, shipping*.

Silica – S-59, 3-20, 3-40, 3-59, 3-68, 3-100, 3-101, 4-6, 4-9, 4-50, 4-51, 7-13, 8-32, 8-33, 8-34

Site Recommendation – S-6, S-7, S-89, 1-19, 1-21, 1-21 – 1-22, 2-15, 2-61, 5-16, 8-79, 8-80, 11-3

Skull Valley – See *Private Fuel Storage LLC*.

Sloan/Jean heavy-haul truck route – See *Heavy-haul truck route, Sloan/Jean*.

Sloan/Jean intermodal transfer station – See *Intermodal transfer station, Sloan/Jean*.

Socioeconomic resources – 1-25

Characterization – 3-1, 3-2, 3-3, 3-5, 3-82 – 3-92, 3-119, 3-124, 3-155 – 3-156, 3-162, 3-178, 3-184 – 3-186, 3-188 – 3-189

Impacts on – 2-80, 2-85, 2-90, 2-92, 2-95, 4-41 – 4-48, 4-86, 4-88, 4-91, 4-95 – 4-96, 4-98 – 4-100, 4-112, 5-1, 6-4, 6-9, 6-10, 6-25 – 6-28, 6-32, 6-53, 6-57, 6-59, 6-61, 6-64 – 6-65, 6-68, 6-85, 6-99 – 6-102, 6-114 – 6-117, 6-127 – 6-130, 6-140 – 6-142, 6-153 – 6-155, 6-172, 6-184 – 6-186, 6-193 – 6-195, 6-203 – 6-206, 6-214 – 6-217, 6-224 – 6-227, 6-232, 7-12 – 7-13, 7-16, 7-24 – 7-25, 7-33, 7-46, 7-48, 8-3, 8-13, 8-25, 8-45 – 8-46, 8-91, 8-98, 8-100, 8-103, 9-1, 10-4, 10-8

Soils – 3-111, 7-42, 7-53, 6-4

Characterization – S-55, 3-2, 3-3, 3-74 – 3-76, 3-119, 3-147 – 3-151, 3-170

Impacts on – S-56, S-85, 2-80, 8-83, 2-89, 2-91, 4-38 – 4-39, 4-88, 4-111, 5-41 – 5-43, 6-10, 6-21, 6-32, 6-53, 6-56, 6-58, 6-61, 6-63, 6-82, 6-83, 6-98, 6-112, 6-126, 6-138, 6-152, 6-167, 6-168, 6-182, 6-192, 6-201, 6-212, 6-222, 6-230, 6-232, 7-12, 7-24, 7-35, 7-46, 7-48, 8-24, 8-82, 8-91, 8-97, 8-103, 9-8, 9-11 – 9-12, 9-24 – 9-25, 10-7, 10-11, 10-12

Solar power generating facility – S-17, S-20, S-65, 2-20, 2-27, 10-4, 4-40, 4-48, 4-76, 4-80, 4-85, 4-92 – 4-93

South Portal – S-10, S-17, S-18, S-52, 1-19, 2-20, 2-26, 2-65, 3-4, 3-38, 3-39, 3-64, 3-69, 4-7, 4-10, 4-14, 4-18, 4-76

South Portal Development Area – S-10, S-17, S-18, S-20, S-52, 2-3, 2-15 – 2-17, 2-19 – 2-20, 2-25, 2-27, 3-64, 3-109, 4-7, 4-10, 4-15, 4-21, 4-26, 4-35, 4-69, 4-81, 4-111

Spent nuclear fuel – S-3, S-5 – S-6, S-49, 1-4 – 1-7, 1-8, 1-16, 4-7, 4-28, 4-55, 4-56, 4-18 – 4-82, 4-83 – 4-94, 4-10 – 4-105, 5-1, 5-15, 11-1, 11-2, 11-4, 11-6, 11-10, 11-12, 11-19, Appendix A

Commercial – S-3, S-8, S-12 – S-15, S-20, S-29, S-77, S-78, 1-6, 1-8 – 1-9, 1-16, 1-22, 1-26, 2-4, 2-7, 2-12, 2-23, 2-24, 2-47, 2-66, 3-112, 3-191, 4-13 – 4-14, 4-53, 4-64, 4-93 – 4-94, 5-3, 5-5, 5-6, 5-7, 5-11, 5-22, 5-31, 5-39, 5-40, 5-41, 6-1, 6-5, 6-35, 6-46, 7-9, 7-18, 7-26, 7-43

DOE – 3-189, 3-191, 4-64, 4-94

Naval – S-21, S-68, 1-30, 2-40, 2-47, 4-92, 6-1, 6-3, 6-4, 6-39, 6-71 – 6-72, 6-156, 7-4, 7-16 – 7-17, 8-86 – 8-90

Stigma – S-37, S-57, S-89, 2-95, 6-25 – 6-28, 6-64 – 6-65, Appendix N

Supplemental Science and Performance Analyses – S-7, 1-21, 5-5, 5-11, 5-16, 5-18

Surplus weapons-usable plutonium – 1-8, 5-3, Chapter 7

T

Thermal load scenarios (high, intermediate, low) – S-12, S-40, S-56, 1-19, 1-24, 2-9, 4-17, 5-41

Threatened and endangered species – 11-1, 11-16, 11-17

Endangered – S-55, S-82, 3-73, 3-140, 3-141, 3-142, 3-144, 3-146, 3-172, 3-174, 4-35, 5-20, 6-21, 6-33, 6-97, 6-124, 6-181, 6-191, 6-201, 6-230

Threatened (See *Desert tortoise* for listings on that species) – S-55, 2-80, 3-73 – 3-74, 3-140, 3-141, 3-146, 3-147, 3-170, 3-171, 3-172, 4-31 – 4-36, 5-43, 6-21, 6-33, 6-97, 6-181, 6-191, 6-201, 6-230, 8-44, 9-24, 11-1, 11-16, 11-17, 11-18, 11-24

Total System Performance Assessment – S-6, S-7, S-62, 1-19 – 1-21, 3-46, 3-56, 5-3, 5-10, 5-16, 5-18, 8-79 – 8-80

Transporter – S-13, S-64, 2-21, 2-23 – 2-24, 2-32 – 2-33, 2-70, 4-65 – 4-67, 4-114

U

Unavoidable adverse impacts – 10-1 – 10-10

Uncanistered spent nuclear fuel – S-12, S-13, S-23, 2-5, 2-7, 2-8, 4-4, 4-49, 4-66, 4-82, 4-85, 4-92, 4-93, 4-97, 4-98, 4-100, 4-101, 4-103, 7-14, 8-101

Uncertainty – S-37, S-43, S-44, S-51, S-54, S-59, S-61, 2-2, 2-94, 2-96, 3-46, 3-56, 3-85, 5-2, 5-10, 5-11 – 5-20, 5-22, 5-25, 5-29, 5-36, 5-42, 6-28, 6-47, 6-64, 6-102, 6-117, 6-131, 6-142, 6-156, 7-9, 7-40 – 7-41, 8-79, 8-80

Utilities, energy, materials, and site services -- 2-15, 2-16, 2-25 – 2-28

Characterization – S-20, 3-2, 3-3, 3-6, 3-106 – 3-110, 3-124, 3-160, 3-162, 3-181 – 3-182

Impacts on – S-65 – S-66, S-86, S-88, 2-82, 2-85, 2-89, 2-91, 4-72 – 4-78, 4-91, 4-95, 4-115 – 4-116, 5-1, 6-4, 6-10, 6-29, 6-32, 6-53, 6-56, 6-58, 6-66, 6-68, 6-76, 6-88, 6-103, 6-118, 6-131, 6-143, 6-156, 6-174 – 6-175, 6-187, 6-196 – 6-197, 6-207 – 6-208, 6-217 – 6-218, 6-227 – 6-228, 7-15, 7-31, 7-33, 7-52 – 7-53, 8-3, 8-27, 8-60 – 8-64, 8-91, 8-99, 8-104, 9-15, 10-5, 10-9

V

Valley Modified rail corridor – See *Rail corridor, Valley Modified*.

Ventilation of the repository – S-20, S-60, S-64, S-86, 2-6, 2-9, 2-10, 2-11, 2-12, 2-15, 2-16, 2-17, 2-18, 2-19, 2-25, 2-27, 2-31, 2-31 – 2-32, 2-36, 2-39, 2-65, 2-68, 2-82, 2-83, 2-85, 3-99, 4-2, 4-4, 4-7, 4-9, 4-10, 4-11, 4-12, 4-13, 4-14, 4-15, 4-17, 4-18, 4-26, 4-34, 4-51, 4-53, 4-55, 4-56, 4-58, 4-60, 4-63, 4-70, 4-71, 4-79, 4-108, 4-109, 4-113, 8-34, 8-35, 8-36, 8-40, 8-47, 8-49, 8-50, 8-51, 8-53, 8-56, 8-60, 9-14, 9-17, 9-18, 10-2, 10-10

Forced-air – S-12, 2-12, 2-13, 2-19, 2-31, 2-62

Natural – S-12, 2-12, 2-13, 2-14, 2-26, 2-62, 4-56

Ventilation Shaft Operations Area – 2-15, 2-17, 2-19 – 2-20, 2-25, 2-27, 2-62

Viability Assessment – 1-19 – 1-20, 2-61, 5-16, 8-79, 8-80, 8-81, 8-82

Viability Assessment design – See *Repository design, Draft EIS design*.

Visual resources – See *Aesthetics*.

Volcanic activity– S-32, S-42, S-49, S-50, S-51, S-61, S-62, 1-19, 1-24, 3-1, 3-7, 3-17, 3-18, 3-19, 3-20, 3-20 – 3-24, 3-27, 3-32, 3-33, 3-34, 5-34, 5-35 – 5-38, 5-43

W

Waste Handling Building – S-20, S-42, S-46, S-59, 2-16, 2-21, 2-22, 2-23, 2-24, 2-25, 2-32, 2-33, 2-36, 4-13, 4-22, 4-55, 4-66, 4-67, 4-114, 8-50, 9-18

Waste management –

Characterization –3-2, 3-3, 3-6, 3-110 – 3-112

Impacts on – S-13, S-66, 2-82, 4-78 – 4-85, 6-29, 6-31, 6-66, 6-88 – 6-89, 6-175 – 6-177, 7-15 – 7-16, 7-32, 7-53, 8-65 – 8-66, 8-99, 9-15 – 9-16, 9-28, 10-9 – 10-10

Waste packages – S-11, S-12, S-13, S-14, S-15, S-16, S-20, S-31, S-50, S-56, S-61, S-62, S-67, 1-14, 1-16, 1-18, 1-19, 1-20, 1-24, 2-2, 2-5, 2-6, 2-8, 2-9, 2-11, 2-12, 2-13, 2-15, 2-16, 2-23, 2-24, 2-28, 2-32 – 2-39, 2-62, 4-3, 4-4, 4-13, 4-27, 4-44, 4-49, 4-54, 4-55, 4-59, 4-68, 4-92, 4-94, 4-105, 4-106, 4-108, 4-112, 4-114, 4-115, 4-116, 5-1, 5-2, 5-3, 5-4, 5-5, 5-6, 5-7, 5-9, 5-10, 5-11, 5-15, 5-17, 5-19, 5-20, 5-23, 5-25, 5-29, 5-31, 5-32, 5-34, 5-35, 5-36, 5-38, 5-39, 5-40, 5-41, 7-35, 8-8, 8-9, 8-51, 8-53, 8-67, 8-68, 8-69, 8-70, 8-75, 8-76, 8-80, 8-82, 8-83, 8-85, 8-100, 9-5, 9-7, 9-8, 9-16, 9-17, 9-18, 9-19, 10-2, 10-5

Waste Treatment Building – S-63, S-64, 2-24, 2-25, 4-14, 4-22, 4-23, 4-64, 4-65, 4-66, 4-67, 4-82, 4-85

Wetlands – S-55, S-72, S-82, S-85, 2-80, 3-2, 3-35, 3-74, 3-124, 3-140, 3-142, 3-145, 3-162, 3-170, 3-171, 3-172, 3-173, 3-174, 3-175, 4-25, 4-36 – 4-37, 4-94, 4-111, 6-62, 6-79, 6-81, 6-97, 6-112, 6-125, 6-165, 6-166, 6-167, 6-181, 6-182, 6-191, 6-201, 6-212, 6-222, 8-24, 8-103, 9-20, 9-21, 9-25, 11-9, 11-10, 11-18, 11-19, 11-23, 11-24

Wind farm – 4-76, 8-11, 8-30, 8-60

Y

Yucca Mountain Science and Engineering Report – S-7, S-12, S-40, 1-20, 2-9, 2-10, 2-14, 2-19, 2-61, 2-62, 2-83, 5-5, 5-16, 5-18, 5-38

CONVERSIONS

METRIC TO ENGLISH			ENGLISH TO METRIC		
Multiply	by	To get	Multiply	by	To get
Area					
Square meters	10.764	Square feet	Square feet	0.092903	Square meters
Square kilometers	247.1	Acres	Acres	0.0040469	Square kilometers
Square kilometers	0.3861	Square miles	Square miles	2.59	Square kilometers
Concentration					
Kilograms/sq. meter	0.16667	Tons/acre	Tons/acre	0.5999	Kilograms/sq. meter
Milligrams/liter	1 ^a	Parts/million	Parts/million	1 ^a	Milligrams/liter
Micrograms/liter	1 ^a	Parts/billion	Parts/billion	1 ^a	Micrograms/liter
Micrograms/cu. meter	1 ^a	Parts/trillion	Parts/trillion	1 ^a	Micrograms/cu. meter
Density					
Grams/cu. cm	62.428	Pounds/cu. ft.	Pounds/cu. ft.	0.016018	Grams/cu. cm
Grams/cu. meter	0.0000624	Pounds/cu. ft.	Pounds/cu. ft.	16,025.6	Grams/cu. meter
Length					
Centimeters	0.3937	Inches	Inches	2.54	Centimeters
Meters	3.2808	Feet	Feet	0.3048	Meters
Kilometers	0.62137	Miles	Miles	1.6093	Kilometers
Temperature					
<i>Absolute</i>					
Degrees C + 17.78	1.8	Degrees F	Degrees F - 32	0.55556	Degrees C
<i>Relative</i>					
Degrees C	1.8	Degrees F	Degrees F	0.55556	Degrees C
Velocity/Rate					
Cu. meters/second	2118.9	Cu. feet/minute	Cu. feet/minute	0.00047195	Cu. meters/second
Grams/second	7.9366	Pounds/hour	Pounds/hour	0.126	Grams/second
Meters/second	2.237	Miles/hour	Miles/hour	0.44704	Meters/second
Volume					
Liters	0.26418	Gallons	Gallons	3.78533	Liters
Liters	0.035316	Cubic feet	Cubic feet	28.316	Liters
Liters	0.001308	Cubic yards	Cubic yards	764.54	Liters
Cubic meters	264.17	Gallons	Gallons	0.0037854	Cubic meters
Cubic meters	35.314	Cubic feet	Cubic feet	0.028317	Cubic meters
Cubic meters	1.3079	Cubic yards	Cubic yards	0.76456	Cubic meters
Cubic meters	0.0008107	Acre-feet	Acre-feet	1233.49	Cubic meters
Weight/Mass					
Grams	0.035274	Ounces	Ounces	28.35	Grams
Kilograms	2.2046	Pounds	Pounds	0.45359	Kilograms
Kilograms	0.0011023	Tons (short)	Tons (short)	907.18	Kilograms
Metric tons	1.1023	Tons (short)	Tons (short)	0.90718	Metric tons
ENGLISH TO ENGLISH					
Acre-feet	325,850.7	Gallons	Gallons	0.000003046	Acre-feet
Acres	43,560	Square feet	Square feet	0.000022957	Acres
Square miles	640	Acres	Acres	0.0015625	Square miles

a. This conversion is only valid for concentrations of contaminants (or other materials) in water.

METRIC PREFIXES

Prefix	Symbol	Multiplication factor
exa-	E	1,000,000,000,000,000,000 = 10 ¹⁸
peta-	P	1,000,000,000,000,000 = 10 ¹⁵
tera-	T	1,000,000,000,000 = 10 ¹²
giga-	G	1,000,000,000 = 10 ⁹
mega-	M	1,000,000 = 10 ⁶
kilo-	k	1,000 = 10 ³
deca-	D	10 = 10 ¹
deci-	d	0.1 = 10 ⁻¹
centi-	c	0.01 = 10 ⁻²
milli-	m	0.001 = 10 ⁻³
micro-	μ	0.000 001 = 10 ⁻⁶
nano-	n	0.000 000 001 = 10 ⁻⁹
pico-	p	0.000 000 000 001 = 10 ⁻¹²