

CHAPTER 12: INDEX

accident history, 4.13-8, B-183
accident scenarios, 3-21, B-57, B-178, D-1, J-7, M-89, M-93, M-102, M-105, M-108, M-110, N-33
administrative limit, 4.15-1, A-103, A-111, A-108, A-118, A-119, A-122, A-168, B-96, B-132
Advanced Simulation and Computing Initiative (ASCI), 2-14, 3-3, A-16, N-1
air transport, 4.16-11, 5.1-14
airborne radioactivity, D-22
aircraft crash accidents, 5.5-19, M-90, M-106, M-107
Alameda whipsnake, 3-17, 3-27, 4.9-2, 4.9-24, 4.9-25, 5.2-28, 5.2-29, 5.3-23, 5.3-25, 5.4-19, 5.4-20, 5.6-4, B-74, E-34, E-40, E-67, E-71, E-90, E-92, E-101
Altamont Landfill, 4.4-5, 4.15-27, B-62, B-95, B-117, B-127, B-146, B-157
alternate modes of transportation, 4.13-13, O-13, O-18, O-19
ambient air quality standards (AAQS), A-163, M-40
ambient noise, 4.10-1, 4.10-10, 5.1-9, 5.2-47, 5.3-40, 5.4-30, B-130, B-150, B-171, B-180, M-40
American Indian Religious Freedom Act of 1978
aquifer, 4.11-1, 4.11-16, 5.1-8, 5.2-74, B-83, B-170, B-179, F-23
Archaeological Resources Protection Act (ARPA), 4.5-1
archaeological sites, A-161, B-176
Arroyo Las Positas Maintenance Project, 4.11-33, 5.2-41, 5.3-34, E-47, E-48, E-59, E-62, E-66, F-5
asbestos, 3-3, 4.15-4, 4.15-12, 4.15-24, 5.2-35, 5.3-55, A-43, A-55, A73, A-76, A-78, A-90, A-115, A-154, A-162, B-4, B-14, B-28, B-47, B-95, B-109, B-142, B-153
atmospheric dispersion, 2-10, 4.10-27, 5.5-1, A-11, M-89
atmospheric releases, D-53, M-40, M-63, M-81
Atomic Energy Act, 1-1, 4.15-2, 4.15-22, 7-2, B-4, B-46, I-2
Atomic Vapor Laser Isotope Separation (AVLIS), 1-8, 3-8, 5.2-65, A-118, N-1, N-3, N-4, N-6, N-39, O-11, O-21
attainment area, 4.10-8

background radiation, 4.10-29, 4.16-11, 6-1, A-62, C-65, M-45, M-66, M-83
Bald and Golden Eagle Protection Act, 4.9-26, 7-3
Bay Area Air Quality Management District (BAAQMD), 3-35, 4.7-7, 4.10-1, 4.10-12, 4.10-17, 5.1-6, 5.1-7, 5.2-35, 5.3-29, 5.6-4, 7-9, 7-11, B-83, B-123, B-124, B-129, B-149, B-159, B-175, O-9, O-10, O-22
Berkeley waste drums, 3-12, 5.3-52, 5.3-60, A-103, A-121, J-9, J-10
beryllium, 4.10-21, 4.11-10, 5.2-38, 5.3-31, 5.4-25, A-38, A-46, A-54, A-68, A-73, A-76, A-80, A-85, A-90, A-135, A-136, A-139, A-142, A-146, A-148, A-169, A-176, B-23, B-24, B-99, B-134, C-43, C-51, C-58, D-56, D-62, M-18, M-31, M-42, M-52, M-63, M-75, M-105, M-113
Beryllium Disease Prevention Program, 4.16-8, M-60, M-78
biohazardous waste, 4.15-17, 4.15-26, 5.3-62, 5.4-42, A-56, A-82, A-89, A-99, B-4, B-29, B-109, B-114, B-117, B-142, B-153, B-162, B-178, C-28, C-29, C-30
biological accidents, 3-21, 5.2-11
biological assessment (BA), 3-17, 5.2-27, 5.3-22, 5.3-23, 5.4-19, B-76

BioSafety Level 3 (BSL-3) Facility, 1-11, 1-13, 3-4, 3-35, 4.15-14, 5.2-60, 5.2-66, A-40, A-81, A-103, A-110, A-114, A-199, B-110, D-3, D-68
blast forecasting, 4.12-4
bounding accident (see accidents), 3-11, 3-20, 3-21, 5.1-1, 5.2-11, 5.2-56, 5.5-3, D-1, N-32, N-33
bounding case accidents

California Ambient Air Quality Standards (CAAQS)
California Clean Air Act (CCA), 4.10-1, 4.10-8, 4.10-20, E-1
California Endangered Species Act, 4.9-7, 5.2-26, 7-3, 7-4, E-1, E-36
California Environmental Quality Act of 1970 (CEQA), 1-10, 4.9-7, B-1, B-164, B-174, B-188, E-37
California Hazardous Waste Control Act (HWCA)
California red-legged frog, 3-17, 3-26, 4.9-2, 4.9-5, 4.9-9, 4.9-16, 4.9-21, 5.2-18, 5.2-27, 5.2-32, 5.3-23, 5.3-24, 5.3-26, 5.4-18, 5.6-3, A-159, B-74, E-18, E-31, E-35, E-40, E-46, E-52, E-83, E-101, F-21, F-22, F-24
California tiger salamander, 3-17, 3-27, 4.9-5, 4.9-16, 5.2-28, 5.2-29, 5.3-23, 5.3-24, 5.4-19, 5.4-20, 5.6-4, A-159, B-75, B-77, E-18, E-36, E-40, E-46, E-94, F-21
cancer statistics, 4.10-6, B-144, B-154, B-163, J-7, J-10, J-12, M-102
candidate species, 3-17, 3-27, 4.9-7, 5.2-29, 5.3-25, 5.4-20, B-76, E-32, E-48, E-73
carbon monoxide (CO), 3-28, 4.10-2, 4.10-8, 5.1-6, 5.2-36, 5.2-38, 5.3-29, 5.3-31, 5.4-23, 5.4-25, A-49, A-64, A-72, A-169, A-184, B-28, B-83, B-100, B-129, B-149, B-159, C-42, D-62, M-35, M-40, O-13
carcinogen, 4.10-6, 4.10-12, 4.15-4, 4.16-5, 5.5-9, A-26, A-41, A-44, A-51, A-54, A-56, A-67, A-81, A-82, A-86, A-88, A-128, A-147, B-98, B-124, C-21, C-22
Carnegie State Vehicular Recreation Area, 3-28, 4.2-5, 4.6-6, 4.10-27, 4.11-28, 4.12-4, 5.2-18, 5.2-22, 5.2-45, 5.3-37, 5.3-43, 5.4-16, A-124, B-49, B-64, B-66, B-88, C-64
ChemTrack, 2-20, 4.15-5, A-191, B-122
chronic exposure, 4.10-21
Clean Air Act (CAA), 4.10-1, 4.10-16, 5.1-6, 5.2-35, 5.2-36, 5.3-29, 5.6-4, C-42, C-63
Clean Water Act (CWA), 7-4, B-168, F-6, F-24,
coccidioidomycosis (see Valley Fever), 4.16-4, C-27, C-28
Community Environmental Response Facilitation Act, 7-7
Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 4.9-28, 4.15-21, 7-6, B-46, B-86, C-9, E-52
Computerized Accident/Incident Reporting System (CAIRS)
Contained Firing Facility (CFF) (Facility 801), 1-3, 2-24, 3-15, 3-35, 4.10-23, 4.12-4, 5.2-46, 5.2-47, 5.3-38, 5.3-40, 5.4-29, 5.4-30, 5.5-13, 5.6-5, A-129, A-135, A-165, D-56, D-62, D-67
Corral Hollow Road, 4.2-5, 4.2-12, 4.6-5, 4.12-5, 4.13-7, 5.2-18, 5.2-21, 5.2-43, 5.3-43, A-156, B-49, B-64, B-88, E-28, F-5
cosmic radiation, 4.16-12
criteria air pollutants, 4.10-12, 4.10-17, 5.1-6, 5.2-36, 5.3-29, A-5, B-129, B-149, B-159, M-31, M-40, M-63, M-81
critical habitat, 4.9-2, 4.9-16, 5.1-5, 5.2-27, 5.3-23, 5.4-19, 5.4-20, B-74, B-77

decontamination and decommissioning (D&D), 3-3, 3-6, 3-12, 3-35, 4.15-17, 5.1-12, 5.2-3, 5.2-12, 5.2-16, 5.2-33, 5.2-35, 5.2-56, 5.2-57, 5.2-61, 5.2-65, 5.2-68, 5.3-11, 5.3-16, 5.3-26, 5.3-39, 5.3-52, 5.3-56, 5.3-58, 5.3-59, 5.3-65, 5.4-12, 5.4-23, 5.4-42, A-60, A-104, A-110, A-116, A-120, B-2, B-153, M-12, M-113, N-24, N-30
Decontamination and Waste Treatment Facility (DWTF), 2-21, 4.15-12, 5.2-61, 5.2-67, A-25, A-36, A-97, A-100, A-130, A-168, A-189, B-2, B-6, B-15, B-16, B-26, D-3, D-4
Defense Nuclear Facility Safety Board (DNFSB), C-1, C-11, C-12
dose estimate, 4.10-23, 5.2-72, B-78, C-17, C-18, J-12, N-24, N-25, N-27, N-31, N-32
drainage retention basin (DRB), 3-5, 4.9-5, 4.11-1, 4.11-7, 4.11-9, 4.17-5, 5.2-3, 5.2-27, 5.4-19, A-112, B-85, E-18

earthquake, 1-11, 4.8-14, 5.1-5, 5.2-21, 5.2-22, 5.3-21, 5.4-16, 5.5-1, 5.5-11, 5.5-12, 5.5-17, 5.6-7, B-128, B-148, B-158, B-169, B-177, D-5, D-22, D-31, D-38, D43, D-61, D-71, H-4, M-88, M-99, M-105, M-109
earthquake accidents, D-22, N-32, N-33
East Avenue Security Upgrade, 1-14, 3-5, 3-17, 4.13-6, 5.2-3, 5.2-17, 5.2-67, A-103, A-111, A-188, E-57
ecological setting
Edward Teller Education Center (Building T6675), 2-21, 5.2-24, 5.3-23, A-25, A-96
Emergency Response Planning Guideline (ERPG), 2-8, 5.1-13, 5.5-9, A-44, A-52, A-67, A-83, D-53, D-64, D-65, D-80, D-81, I-14, I-15, M-109
Emergency Planning and Community Right-To-Know Act of 1986, 4.15-2, 4.15-5, 7-6
emissions, 1-12, 3-15, 3-28, 4.10-1, 5.1-6, 5.1-7, 5.2-3, 5.2-10, 5.2-26, 5.2-34, 5.2-39, 5.2-55, 5.2-71, 5.3-3, 5.3-10, 5.3-26, 5.3-28, 5.3-29, 5.3-32, 5.3-48, 5.3-67, 5.4-1, 5.4-8, 5.4-23, 5.4-26, 5.4-36, 5.4-46, 5.6-4, A-51, A-62, A-79, A-100, A-113, A-135, A-162, A-165, A-184, B-175, M-8, M-14, M-27, M-38, M-51, M-56, M-65, M-80, M-84, O-6, O-9, O-10, O-13, O-14
employment, 1-11, 3-16, 3-22, 3-23, 3-30, 5.1-2, 5.2-5, 5.2-12, 5.2-48, 5.2-49, 5.3-6, 5.3-41, 5.4-3, A-17, A-122, B-52, B-126, B-143, B-146, B-153, B-156, B-163, M-30, M-58, M-79
endangered species, 4.9-7, 4.10-21, 5.2-31, A-164, B-76, E-16, E-29, E-32, E-37, E-67, E-71, F-23, M-39, M-63, M-81
Endangered Species Act, 4.9-7, 7-2, 5.2-26, E-1, E-36, E-67, E-97, F-24, M-39, M-63, M-81
Energetic Material Processing Center (EMPC) (Facility 829), 3-35, 5.3-3, 5.3-17, 5.3-20, 5.3-22, 5.5-14, E-79
energy consumption (see utilities and energy consumption), 4.14-9, 5.6-5, M-27, M-113, O-5, O-6, O-8, O-16
environment, safety, and health (ES&H), 4.15-8, 4.16-1, 5.2-68, 5.2-70, 5.3-65, 5.4-45, 5.6-6, C-1, C-3, C-4, C-5, C-7, C-14, C-15, M-59, M-113
environmental monitoring, 2-11, 2-16, 4.16-2, A-12, A-17, B-43, C-39-60
Environmental Restoration Division, 4.11-23, 4.15-18, A-36, A-133, A-192, B-112, C-9, E-13, E-81
explosives (see high explosives), 1-4, 2-8, 2-13, 2-18, 2-21, 2-24, 2-25, 3-3, 3-9, 3-10, 3-13, 3-30, 4.11-28, 4.13-13, 4.15-8, 4.15-11, 5.5-13, A-5, A-15, A-22, A-26, A-38, A-48, A-54, A-56, A-66, A-71, A-79, A-93, A-103, A-124, A-128, A-129, A-135, A-139, A-143, A-146, A-150, A-154, A-197, B-4, B-36, B-39, B-109, B-115, B-122, D-68, E-34, E-36, E-79, E-82, E-87, E-93, E-97, M-8, M-17, O-13
Explosives Waste Treatment Facility (EWTF), 2-24, 5.2-64, 5.5-11, 5.5-12, A-129, A-137, B-44

exposure pathways, 4.16-11, B-43, C-17, C-38, C-60, C-63, D-5, M-59, M-86

faults, 4.8-1, 4.8-14, 5.2-21, 5.2-22, 5.4-16, B-68, B-84, B-128, B-148, B-158, B-177, D-35

federally listed threatened or endangered species, 4.9-8, 4.9-16, 4.9-18, 4.9-20, 4.9-24, 4.9-26, B-76, E-19

Federal Emergency Management Agency, 4.11-32, F-1

Federal Facility Compliance Act of 1992, 4.15-14, 4.15-21, 7-6, B-46, C-9,

fire protection and emergency services, 3-23, 3-24, 4.4-1, 5.1-3, 5.2-13, 5.2-14, 5.3-11, 5.3-14, 5.4-9, 5.4-10, B-59, I-3, I-4, I-5, I-6, I-7, I-8, I-9, M-38, M-62, M-80, M-92

fissile material, 1-6, 2-8, 3-7, 4.15-10, A-9, A-57, A-64, A-75, A-117, A-143, A-149, A-187, D-38, M-1, M-7, M-19, M-24, M-36, M-60, M-68, M-74, M-112

floodplain, 100-year, 3-29, 4.11-32, 5.1-8, 5.2-41, 5.3-34, 5.3-35, 5.4-27, A-163, B-86, B-179, F-1, F-2, F-5, F-6

floodplain, 500-year, 3-29, 4.11-32, 5.1-8, 5.2-41, 5.3-34, 5.4-27, F-1, F-2, F-5

fossil, 2-10, 3-25, 3-26, 4.5-1, 4.8-13, 5.2-19, 5.2-21, 5.3-20, 5.4-15, A-12, M-39, M-62, M-80

gamma radiation, 5.5-8, A-64, A-150, A-152, B-96, D-32, D-47, M-95

General Services Area (GSA), 3-35, 4.2-3, 4.17-12, 4.17-27, 4.17-29, 5.2-18, 5.2-43, 5.3-45, 5.4-14, A-125, A-127, A-128, B-49, E-13, F-5, M-30, M-38

glovebox, 5.2-67, A-26, A-38, A-43, A-54, A-54, A-60, A-74, A-116, B-18, C-19, D-33, D-60, M-21, N-4, N-11, N-12, N-13, N-22, N-26

ground acceleration, 4.8-15, 5.2-22, 5.5-17, D-38, D-71, H-3, M-89

groundwater contamination, 1-12, 3-19, 3-29, 4.11-23, B-96, B-144, B-155, B-164, M-24

groundwater flow, 4.11-21, B-84, F-14, F-23

habitat (see critical habitat), 3-17, 3-26, 4.2-3, B-49, B-75, B-176, E-7, M-39

Hanford, N-14, N-15, N-17, N-28, N-29

hazardous air pollutants (HAP), 4.10-14, 4.10-19, B-82, M-41, M-63, M-81

hazardous and radioactive material, 4.13-12, 6-1, A-38, A-46, A-51, A-69, A-116, A-163, B-2, C-19, C-20, C-21, M-1, M-11

hazardous chemical accidents,

Hazardous Materials Transportation Act, 7-6

Hazardous Materials Transportation Uniform Safety Act of 1990, 7-6

hazardous waste (see waste generation and management), 2-16, 2-21, 2-25, 3-11, 3-20, 3-21, 3-34, 4.13-12, 4.15-17, 5.1-12, 5.2-57, 5.2-63, 5.3-56, 5.3-64, 5.4-40, 7-10, 7-11, A-17, A-25, A-36, A-43, A-47, A-58, A-60, A-77, A-82, A-91, A-96, A-120, A-147, A-191, B-2, B-13, B-20, B-34, B-45, B-62, B-114, B-142

Hazardous Waste Reduction Act, O-3

Hetch Hetchy, 3-6, 3-29, 4.11-31, 4.14-2, 5.2-21, 5.2-24, 5.2-44, 5.2-53, 5.3-18, 5.3-33, 5.3-36, 5.3-37, 5.3-44, 5.3-46, 5.4-15, 5.4-34, 9-2, A-21, A-102, A-125, A-159, B-120, E-79

high explosive accidents, D-2

high explosives, 1-4, 2-13, 2-18, 4.17-11, 5.5-13, A-5, A-22, A-38, A-48, A-73, A-125, A-139, A-139, A-147, A-173, A-197, B-20, B-49, B-115, D-1, M-8

historic sites, 4.11-6, B-63

housing, 3-4, 3-16, 3-23, 5.1-2, 5.2-5, 5.2-7, 5.3-6, 5.4-5, A-64, A-84, A-89, A-116, B-55, B-181

hydrology, B-83, B-170, B-179, F-7, F-14, F-21, F-2, F-23

Inertial Confinement Fusion (ICF), 1-9, 2-7, 2-20, 2-21, 2-25, 3-3, 3-11, A-8, A-25, A-85, A-119, A-130, E-62
Integrated Safety Management System (ISMS), 4.10-20, 4.16-1, 5.2-68, 5.3-65, 5.4-44, 5.6-6, B-95, C-1, C-2, C-11, C-12, C-14
Integrated Technology Project (ITP), 3-8, 3-13, 5.3-52, 5.3-59, 5.4-41, A-103, A-118, A-123, C-18, J-7, J-8, J-11, N-1

latent cancer fatalities (LCFs), 1-9, 3-9, 3-35, 4.10-13, 4.16-11, 4.17-35, 5.1-9, 5.5-5, B-144, B-154, D-6, D-42, D-44, D-72, M-36, M-87, M-102, M-110, N-21, N-24, N-27, N-28, N-31, N-32, N-34, N-39
Lawrence Berkeley National Laboratory, 3-12, 3-34, 4.17-22, A-121, J-1, J-10
legacy waste, 3-12, 4.15-14, 9-1, A-72, A-121, B-4, B-113
liquefaction, 4.8-16
Livermore (city of), 1-12, 4.2-5, 4.2-10, 4.6-4, 4.12-1, 4.13-5, 5.2-4, 5.2-8, 5.2-12, 5.2-14, 5.2-74, 5.3-8, 5.3-13, 5.4-6, A-18, A-21, A-97, B-50
Livermore Water Reclamation Plant (LWRP), 4.14-5, 5.2-41, 5.2-51, 5.2-53, 5.3-45, 5.3-47, 5.4-35, 7-1, 7-12, A-21, A-78, A-97, C-44, C-45, C-49, C-51, C-53, C-54, C-58
Los Alamos National Laboratory (LANL), 1-2, 1-4, 3-14, J-11, N-14, N-16, N-17, N-26
low-level waste (see waste generation and management), 1-7, 4.13-12, 4.15-12, 4.15-17, 5.1-10, 5.1-12, 5.2-49, A-62, A-62, A-73, A-77, A-96, A-110, A-123, A-129, A-159, B-2, B-4, B-20, J-1, J-4, J-11, J-12

maintenance area, B-19, B-129, B-149, B-159
material-at-risk (MAR), 1-1, 1-8, 1-9, 3-8, 3-9, 5.5-18, A-72, A-103, A-118, D-3, D-5, D-33, D-61, M-105, M-108
Migratory Bird Treaty Act (MBTA), 4.9-8, 4.9-26, 5.2-26, 5.2-28, 5.2-31, 7-3, E-29
Minority and low-income population, 4.3-9, 4.3-13, B-57, M-38, M-61, M-80
mitigation measures, 1-12, 4.13-10, 5.6-1, A-164, C-30, D-8, E-35, E-48, E-52, E-57, E-62, E-71, E-89, E-97, N-44
mixed waste (see waste generation and management), 4.13-12, 4.15-4, 4.15-21, 4.15-26, A-39, A-58, A-63, A-74, A-89, A-97, A-110, A-145, A-154, B-15, B-115, J-1, M-76

National Ambient Air Quality Standards (NAAQS), 4.10-2, 5.1-6, M-40
National Emission Standards for Hazardous Air Pollutants (NESHAPs), 4.10-14, 5.1-7, B-78, M-41, M-44, M-59, M-63, M-81
National Environmental Policy Act (NEPA), 3-1, 3-3, 3-19, 5.1-1, 5.2-1, 5.5-1, 5.6-1, 7-2, 8-1, A-18, A-110, A-117, A-159, A-187, C-8, K-1, M-1, M-10, M-46, M-83, M-88
National Historic Preservation Act (NHPA), 4.5-1, 5.1-3, 5.1-4, 5.2-15, 5.3-15, 5.4-12, G-6, G-8, G-10, G-13, G-15
National Ignition Facility (NIF), 1-1, 1-6, 1-13, 2-7, 2-21, 2-25, 3-4, 3-9, 3-35, 5.1-10, 5-1.14, 5.2-39, A-8, A-25, A-36, A-103, A-117, A-190, C-18, J-11, E-62, O-8
National Nuclear Security Administration (NNSA), 1-1, 2-1, 2-4, 3-1, 3-10, 3-20, 5.1-4, 5.2-16, 5.2-25, 5.2-50, 5.2-57, 5.2-61, 5.2-64, 5.2-73, 5.3-16, 5.3-33, 5.3-46, 5.3-53, 5.3-55, 5.3-64, 5.4-13, 5.4-39, 5.4-44, 5.5-2, 5.5-15, 5.5-16, 5.6-1, 5.6-2, 5.6-5, 5.6-6, A-1, A-12, A-133, A-187, D-9, K-3, M-1, M-5, M-59

National Pollutant Discharge Elimination System (NPDES), 5.1-8, 5.2-41, 5.2-42, 5.3-33, 5.4-27, 5.4-28, 7-4, 7-9
National Priorities List (NPL), 4.15-28, 5.2-74
National Register of Historic Places (NRHP), 3-35, 4.5-2, 5.1-3, 5.1-4, B-62, B-127, B-147, G-1, M-39, M-62, M-80
Native American, 4.5-1, K-3
Natural Community Conservation Planning Act, 7-3
Neutron Multiplying Assembly (NEUMA), 1-6, 3-7, A-117, M-1
Neutron Spectrometer, 3-9, 5.3-52, 5.3-61, A-103, A-119, M-5, M-11, M-25, M-29, M-62, M-75
Nevada Test Site (NTS), 1-10, 1-13, 4.13-12, 4.15-14, 4.15-23, 4.16-5, A-1, A-18, J-1, M-21, M-67, M-77
Noise Control Act of 1972
nonattainment area, 4.10-5, 4.10-8, 5.6-4
nonhazardous waste, 3-17, 4.4-6, A-26, A-38, A-55, A-61, A-83, A-153, B-35, B-62, M-30, M-38, M-62, M-80
non-ionizing radiation, 2-21, 2-25, 4.16-10, 5.2-68, 5.3-64, 5.4-44, A-25, A-48, A-76, A-128, A-135, A-147, C-23, C-25,
Notice of Intent (NOI), 1-5, 1-6, 3-7, 3-13, A-117, K-3
Nuclear Waste Policy Act of 1982, 7-6

occupational exposure, 4.15-1, 4.16-7, 4.16-12, 5.1-13, 5.2-71, 5.3-67, 5.4-46, 6-1, A-78, C-17, C-18, C-60, C-61, C-63, C-64, C-66, M-94, N-25, N-31, N-32
Occupation Safety and Health Act of 1970, A-164, C-13
Occupational Safety and Health Administration (OSHA), 4.16-8, 5.1-13, A-17, A-64, B-131, C-20, C-22, C-26, C-28, C-31, C-32
offsite leased properties, 4.2-1, 4.4-4, A-102, B-61
onsite circulation and parking, 4.13-10
Optics Assembly Building (OAB), 2-21, A-95, M-3, M-4, M-51, M-54, M-105
ozone (O_3), 3-28, 4.7-8, 4.10-2, 5.6-4, 5.2-34, 5.3-28, 5.4-23, D-58, M-40, O-7, O-10, O-11

paleontological resources (see fossils)
past exposures
personal protective equipment (PPE), 4.15-18, 4.15-28, 4.16-6, A-44, A-50, A-56, A-64, A-94, A-136, A-150, A-152, B-4, B-131, C-17, C-20, C-22, C-30, C-31, M-54
plant communities, 4.9-1, 4.9-24, 4.9-27, B-74, E-7, E-12
Plutonium Facility (Building 332), 1-1, 1-3, 1-8, 1-14, 2-19, 5.5-11, 5.5-12, A-25, A-73, A-103, A-116, A-123, A-193, A-196, N-4, N-24, N-30
police, 3-23, 3-24, 4.4-1, 4.4-4, 4.4-5, 5.1-3, 5.2-13, 5.3-12, 5.3-14, 5.4-9, 5.4-11, B-61, I-5, M-38, M-61, M-80
pollution prevention, 1-13, 4.10-20, 5.2-55, 5.2-61, 5.3-49, 5.3-56, 5.4-36, 5.4-37, 5.4-40, 5.6-5, 6-1, B-152, M-41, M-56, O-2
Pollution Prevention Act of 1990, 4.15-22, 7-6, B-47, O-2
Porter-Cologne Water Quality Control Act, 7-4
prehistoric sites, 4.5-2, B-62, M-39, M-62, M-80
Price-Anderson Amendments Act, 4.16-4, C-11
Programmatic Agreement, 1-1, 1-2, 1-4, 1-6, 1-14, 3-18, 3-24, B-127

prompt radiation (*see* skyshine), 5.2-72, 5.3-67, 5.4-46, A-47, A-110, D-31, M-23, M-44, M-57, M-77, M-86
Protective Action Guide (PAG), 5.6-7, I-14, I-15, D-8
public comments, K-1
public health, 3-6, 4.10-2, 4.16-11, A-116, C-38, M-40, N-24, N-31,
public involvement, 1-9, 4.3-9, B-57
public transportation, 4.13-13, O-13, O-19

radiation exposure, 4.10-23, 4.13-12, 4.17-35, 5.1-13, 5.1-14, 5.2-71, 5.3-67, 5.4-46, 5.6-7, A-46, A-64, A-78, B-81, B-122, C-17, C-18, C-19, D-2, D-8, J-2, M-23, M-44, M-57, M-64, M-82
radioactive materials, 3-6, 4.10-23, 4.13-12, 4.15-1, 4.15-4, 4.15-23, 5.1-9, 5.1-10, 5.2-55, 5.3-41, 5.3-49, 5.5-1, 5.5-16, 5.5-18, 6-1, A-26, A-38, A-50, A-59, A-70, A-82, A-90, A-96, A-116, A-135, A-148, A-163, A-165, D-1, J-1, J-2, J-12, M-17, M-21, M-28, M-46, M-59, M-67, M-84, M-90, M-110
RADTRAN, 5.1-9, 5.2-50, 5.3-43, J-4, J-5, J-6, J-7, J-8, J-9, J-10, J-11, J-12
RCRA Part B permit, 4.15-18, 5.3-63, A-153
reading rooms and public libraries, K-2
Record of Decision (ROD), 1-2, 1-5, 1-6, 1-10, 1-13, 1-14, 3-4, 3-5, 3-7, 4.17-10, A-117, A-187, M-5, M-37
region of influence (ROI), 4.3-1, 5.1-2, 5.2-57, 5.2-64, 5.2-74, 5.3-5, 5.3-13, 5.3-53, 5.4-4, 5.4-48, B-55
regional and local circulation system, 4.13-1
regulatory authority, 4.10-1, C-8
Resource Conservation and Recovery Act of 1976 (RCRA), 1-12, 1-13, 3-35, 4.15-12, 4.15-21, 7-6, A-100, A-54, B-46, C-10, M-52

Safe Drinking Water Act, 4.11-31, 7-4
San Joaquin kit fox, 3-17, 3-27, 4.9-7, 4.9-26, 5.2-29, 5.3-25, 5.4-20, 5.6-4, E-70
San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD), 4.10-1, 4.10-12, 4.10-16, 5.2-35, 7-9, 7-13
Sandia National Laboratories/California (SNL/CA), 1-4, 3-5, 3-35, 4.2-3, 4.11-8, 4.13-6, 4.17-26, 5.2-23, 5.2-44, 5.2-50, 5.2-74, 5.3-21, 5.3-43, 5.3-54, 5.3-64, A-21, A-26, A-188, C-7, E-46, M-2
Savannah River Site (SRS), N-14, N-17, N-30, N-21, N-27, N-28, N-29
schools, 4.4-5, 5.1-3, 5.2-13, A-124, B-61, M-38, M-61, M-80
scoping process, 1-9, 3-13, B-42
Section 106 process, 4.5-1
security, 1-1, 1-8, 1-14, 2-1, 2-4, 2-13, 2-15, 2-21, 3-1, 3-4, 3-10, 3-11, 3-13, 3-17, 3-23, 4.4-2, 4.4-4, A-1, A-5, A-7, A-13, A-25, A-43, A-52, A-79, A-87, A-101, A-115, A-120, A-128, A-139, A-156, A-180, A-194, B-61, E-12, E-26, E-57, E-60, E-64, M-38, M-61, M-80
Seismic Safety Program, 4.8-14, 5.2-22, B-71, H-1, H-2
site-related traffic, 3-30, O-13
Special Isotope Separator (SIS), N-4, N-8, N-9, N-10, N-25, N-31
special nuclear material (SNM), 1-8, 2-6, 3-8, 3-15, 4.13-12, 4.15-8, 5.1-10, 5.2-49, 5.2-67, 5.3-41, 5.4-41, 5.5-16, A-8, A-104, A-116, A-118, B-96, D-31, N-1, N-2, J-2, J-3, J-12, M-9, M-60

State Ambient Air Quality Standards (SAAQS), 4.10-2, M-40
state and Federal regulations, 1-12, 2-10, A-11, A-101, C-22, M-52
stockpile stewardship, 1-1, 1-5, 1-14, 2-4, 2-7, 2-11, 3-1, 3-7, 3-13, 3-19, 5.2-67, 5.3-18, A-5, A-16, A-75, A-103, A-111, A-112, A-123, A-159, A-187, A-197, M-4, M-10, M-26, N-1
stratigraphy, 4.8-1, 4.8-3, 4.8-8, B-68
Superblock, 1-1, 1-7, 1-8, 2-6, 3-5, 3-7, 3-11, 3-12, 5.2-11, 5.2-67, 5.3-52, 5.6-6, A-8, A-72, A-103, A-111, A-168, C-11, C-16, M-67, N-4, N-8, N-30
Superfund Amendment and Reauthorization Act (SARA), 4.15-21, 5.2-60, 7-6, C-10, I-1

Terascale Simulation Facility, 1-3, 2-20, 3-4, 3-14, 4.14-2, 5.1-10, 5.2-41, 5.2-60, 5.2-65, 5.3-28, 5.4-27, 5.4-41, A-24, A-89, A-104, A-111, A-124, A-187
threatened species, 3-26, 4.9-7, 4.9-16, 5.2-28, 5.2-29, 5.3-23, 5.4-19, B-76, E-19, E-37, E-46, E-59, E-67, E-83, F-24, M-39, M-63, M-81
topography and geomorphology, 4.8-1, 5.2-19, 5.2-21, 5.3-18, 5.3-20, 5.4-14, 5.4-16
toxic air contaminant, 4.10-6, 4.10-12, 4.10-19, 5.2-34, 5.3-28, 5.4-23, M-31, M-42, M-63, M-81
Toxic Substances Control Act (TSCA), 1-12, 1-13, 3-35, 4.13-12, 4.15-22, 5.2-65, 5.2-66, 5.2-67, 5.3-58, 5.3-59, 7-6, A-42, B-4, B-47, J-1, J-11, M-52
Tracy (city of), 4.2-5, 4.2-11, 4.2-14, 4.3-4, 4.12-2, 4.13-8, 5.2-4, 5.2-10, 5.3-4, 5.3-9, 5.4-2, 5.4-7, A-124, B-52
Tracy Hills Project, 4.13-7, A-199
traditional cultural properties, 4.5-1, 5.6-2
traffic accidents, 4.13-8, 5.5-16
TRAGIS, J-3
transportation accidents, 1-13, 4.13-8, M-46, M-67, M-84, M-110, N-29
TRU package transporter (TRUPACT-II), B-20, J-3, N-27
transuranic waste, 3-6, 3-11, 3-12, 3-14, 3-19, 4.13-12, 4.15-17, B-2, B-4, J-1, J-2, J-3, J-11
tritium, 1-1, 1-3, 1-7, 1-9, 3-3, 3-6, 3-9, 3-14, 3-17, 4.9-4, 4.10-23, 4.11-8, 4.17-7, 5.2-25, 5.3-22, 5.3-32, 5.4-18, 5.4-26, 5.5-18, A-8, A-23, A-64, A-72, A-84, A-94, A-103, A-116, A-136, A-140, A-142, A-157, A-165, A-189, B-78, D-33, D-38, E-99, J-2, M-2, M-13, M-17, M-28, M-46, M-50, M-54, M-67, M-75, M-82, M-85, M-90, O-23
Tritium Facility (Building 331), 2-19, 3-6, 3-9, 4.10-23, 4.11-8, 4.17-4, 4.17-7, 5.2-26, 5.2-39, 5.2-60, 5.2-65, 5.3-52, 5.3-59, 5.4-26, 5.5-11, A-23, A-72, A-103, A-112, A-189, A-197, M-20, M-23, M-69, M-74

United States Army Corps of Engineers (USACE), 5.2-32, 5.3-25, 5.4-21, F-1, F-6, F-7, F-15, F-16, F-23, F-24
United States Department of Energy (DOE), 1-1, 1-9, 2-1, 2-3, 2-10, 2-12, 2-13, 2-15, 2-23, 2-25, 3-1, 3-3, 3-12, 3-15, 3-20, 5.1-9, 5.1-13, 5.2-34, 5.2-36, 5.2-37, 5.2-41, 5.2-48, 5.2-69, 5.3-16, 5.3-32, 5.3-55, 5.3-67, 5.4-12, 5.4-31, 5.4-40, 5.4-46, 5.6-6, A-1, A-5, A-12, A-36, A-45, A-75, A-87, A-110, A-117, A-156, A-163, A-180, A-187, A-199, D-10, E-1, E-38, E-46, E-65, K-1, M-1, M-6
United States Environmental Protection Agency (EPA), 5.1-6, 5.1-7, 5.3.54, 5.3-55, 5.3-64, 7-1, A-187, E-35, E-61, F-6, M-40, O-5
United States Fish and Wildlife Service (USFWS), 5.1-5, 5.2-26, 5.2-30, 5.3-23, 5.3-24, 5.4-18, 5.4-19, 5.6-3, 7-1, B-77, E-65, K-3
United States Department of Transportation (DOT), 4.13-13, 4.15-10, I-21

University of California, 2-1, 2-13, 4.10-1, 4.16-4, 5.3-3, 5.6-2, B-116, C-2, C-12, E-38, E-46
utilities and energy consumption, 4.9-9, 4.9-20, 5.2-11, 5.4-35, 5.6-5, 9-1, B-120, B-143, B-151, B-161, M-33

Valley elderberry longhorn beetle, 3-17, 3-27, 4.9-9, 4.9-20, 5.2-29, 5.2-30, 5.3-25, 5.4-20, 5.6-4, E-17, E-37, E-70

Valley Fever (coccidioidomycosis), 4.16-4, C-27, C-28

volatile organic compound (VOC), 4.11-23, 4.15-28, 4.17-3, 4.17-14, 5.2-42, 5.2-43, 5.2-72, 5.3-36, A-100, B-119, M-40, O-14

Waste Isolation Pilot Plant (WIPP), 3-6, 3-11, 3-19, 4.13-12, 4.15-14, 5.2-49, 5.2-60, 5.2-67, 5.3-60, A-77, A-103, A-112, A-120, B-17, D-36, J-1, J-10, J-11, N-12, N-16, N-17, N-26, N-27, N-28, N-30

waste minimization, 1-13, 4.10-20, 4.14-9, 4.15-12, 5.3-49, 5.6-5, B-132, B-152

worker exposure, 4.16-3, 4.16-6, 5.2-69, 5.3-65, 5.3-66, 5.4-45, 5.5-1, 5.5-8, B-122, B-177, B-184, D-47, M-18, M-28, M-36, M-58, M-77, M-87, M-94, O-21

Work Smart Standards, 4.16-1, 4.16-4, C-2, C-11, C-16, M-59