

Chapter 9

Index

300 Area of Hanford

2-43, 3-1, 3-90–3-92, 3-94, 3-95, 3-98,
3-101, 3-102, 3-105, 3-109, 3-113, 3-116,
3-119–3-122, 3-124–3-126, 3-128, 3-131,
3-177, 3-179, 4-32–4-34, 4-37–4-40, 4-43,
4-49, 4-53, 4-57–4-60, 4-64, 4-71, 4-91,
4-97, 4-98, 4-227, 4-238, 4-274

400 Area of Hanford

1-29, 2-40, 2-91–2-93, 3-1, 3-90, 3-93–3-98,
3-100, 3-101, 3-105, 3-106, 3-109,
3-113–3-116, 3-119–3-122, 3-124–3-127,
3-131, 3-135, 3-178, 4-5–4-7, 4-13,
4-25–4-27, 4-33, 4-34, 4-36–4-39, 4-53,
4-75–4-78, 4-90, 4-123, 4-124, 4-140,
4-142, 4-143, 4-155, 4-253–4-256,
4-299–4-302

7900 Area of Oak Ridge National Laboratory

2-21, 3-6, 3-7, 3-9, 3-13–3-15, 3-17, 3-18,
3-20, 3-21, 3-23–3-26, 3-28, 3-176, 3-179,
4-14, 4-15, 4-33, 4-34, 4-37–4-40, 4-91,
4-112–4-115, 4-185–4-187, 4-225, 4-227,
4-229, 4-272–4-274, 4-276

A

accelerators

1-1, 1-2, 1-4, 1-11, 1-12, 1-20, 1-32, 1-34,
2-1–2-3, 2-9, 2-27, 2-30, 2-58, 2-61–2-63,
2-65, 2-67, 2-72, 2-78, 2-79, 2-84, 2-85,
2-87, 2-88, 2-92, 2-98, 2-100, 2-102, 2-107,
3-1, 3-155, 3-156, 3-158–3-163, 4-1, 4-31,
4-110, 4-216–4-232, 4-234–4-263,
4-327–4-329, 4-337, 5-2–5-4, 5-7–5-13,
5-16

accident consequences

2-73, 2-75, 4-10, 4-17, 4-46, 4-66, 4-82,
4-94, 4-100, 4-106, 4-119, 4-135, 4-148,
4-161, 4-170, 4-180, 4-191, 4-200, 4-210,
4-234, 4-249, 4-259, 4-280, 4-288, 4-295,
4-305

accident risk

2-87, 4-9, 4-18, 4-44, 4-48, 4-64, 4-70, 4-81,
4-86, 4-92, 4-96, 4-99, 4-103, 4-105, 4-108,
4-118, 4-127, 4-134, 4-147, 4-159, 4-160,
4-168, 4-179, 4-190, 4-199, 4-209, 4-282,
4-298, 4-307

accidents during transportation

4-4, 4-18, 4-24, 4-29, 4-48, 4-70, 4-86, 4-96,
4-102, 4-108, 4-121, 4-138, 4-151, 4-164,
4-174, 4-184, 4-193, 4-203, 4-214, 4-236,
4-251, 4-252, 4-262, 4-282, 4-297, 4-307

Advanced Test Reactor

1-4, 1-13, 1-20, 1-31, 2-1, 2-3, 2-5–2-7, 2-9,
2-15–2-19, 2-21, 2-38, 2-58, 2-61, 2-62,
2-66, 2-68, 2-73, 2-83, 2-92, 2-97, 2-103,
2-106, 3-1, 3-30, 3-45, 3-46, 3-51, 3-55,
3-56, 3-59, 3-63, 3-64, 3-70, 3-76, 3-77,
3-79, 3-81, 3-170, 3-176, 3-177,
4-110–4-122, 4-129, 4-131–4-140, 4-142,
4-143, 4-145–4-149, 4-151, 4-152,
4-185–4-201, 4-203–4-215, 4-313, 4-315,
4-318, 4-319, 4-336, 5-1, 5-7

air quality

1-31–1-33, 2-80–2-86, 2-92, 2-104, 2-105,
2-107, 3-1, 3-2, 3-7–3-10, 3-48, 3-49,
3-95–3-98, 3-144, 3-156, 3-157, 3-167,
3-168, 3-174, 3-175, 3-179, 3-180, 4-1, 4-5,
4-14, 4-20, 4-26, 4-34–4-36, 4-43, 4-59,
4-75, 4-76, 4-91, 4-98, 4-104, 4-113, 4-123,
4-124, 4-130, 4-141, 4-142, 4-156, 4-165,
4-166, 4-176, 4-186, 4-196, 4-206, 4-219,
4-226, 4-240, 4-244, 4-254, 4-267, 4-273,
4-286, 4-291, 4-300, 4-310, 4-314, 4-317,
4-318, 4-321, 4-322, 4-327, 4-328, 4-331,
4-335–4-337, 5-3, 5-4

Alternative 1

1-16, 1-19, 2-1–2-3, 2-10, 2-16, 2-21, 2-24, 2-36, 2-38, 2-40, 2-43, 2-55, 2-59, 2-60, 2-72, 2-73, 2-78–2-80, 2-83, 2-84, 2-87, 2-88, 2-91, 2-95, 2-96, 4-31, 4-32, 4-35, 4-36, 4-42–4-44, 4-46, 4-47, 4-50, 4-51, 4-55, 4-57, 4-59, 4-60, 4-63–4-67, 4-69, 4-72, 4-74, 4-76, 4-77, 4-79–4-83, 4-85, 4-88, 4-90, 4-94, 4-95, 4-97, 4-100, 4-101, 4-103, 4-106, 4-107, 4-122, 4-139, 4-164, 4-174, 4-194, 4-205, 4-239, 4-253, 4-284, 4-298, 4-308, 4-320–4-325, 5-1

Alternative 2

1-20, 1-31, 2-1, 2-3, 2-15, 2-16, 2-21, 2-24, 2-36, 2-38, 2-40, 2-43, 2-58, 2-60–2-62, 2-66, 2-69, 2-72, 2-73, 2-77, 2-78, 2-82–2-84, 2-87, 2-88, 2-91, 2-96, 2-97, 2-103, 4-1, 4-2, 4-110, 4-111, 4-113, 4-115–4-117, 4-119, 4-120, 4-129, 4-130, 4-133–4-138, 4-140, 4-141, 4-144–4-146, 4-148–4-151, 4-153, 4-155, 4-158, 4-159, 4-161–4-163, 4-165, 4-167, 4-168, 4-170–4-173, 4-175, 4-177, 4-178, 4-180–4-183, 4-185, 4-188, 4-189, 4-191, 4-192, 4-195, 4-198, 4-200–4-203, 4-205, 4-208–4-213, 4-226, 4-232, 4-244, 4-248, 4-254, 4-258, 4-263, 4-273, 4-279, 4-291, 4-295, 4-300, 4-304, 4-313–4-320, 4-324, 5-1

Alternative 3

1-32, 2-1, 2-3, 2-15, 2-16, 2-21, 2-24, 2-27, 2-30, 2-36, 2-38, 2-40, 2-43, 2-58, 2-62, 2-63, 2-71, 2-72, 2-78–2-80, 2-84, 2-85, 2-87, 2-88, 2-91–2-93, 2-98, 2-101, 2-102, 3-155, 4-1, 4-216, 4-217, 4-219, 4-220, 4-224, 4-226, 4-227, 4-231–4-235, 4-238, 4-242, 4-243, 4-247–4-250, 4-253, 4-257–4-260, 4-324, 4-325, 5-2

Alternative 4

2-1, 2-3, 2-15, 2-16, 2-21, 2-24, 2-30, 2-34, 2-36, 2-38, 2-40, 2-43, 2-58, 2-64, 2-72, 2-78–2-80, 2-84, 2-85, 2-87, 2-88, 2-92, 2-99, 3-155, 4-1, 4-264, 4-265, 4-267, 4-268, 4-272–4-274, 4-278–4-281, 4-283, 4-288–4-290, 4-294–4-296, 4-299, 4-303, 4-305, 4-306, 4-324, 4-325, 5-2

Alternative 5

1-14, 1-21, 2-1, 2-3, 2-15, 2-16, 2-21, 2-24, 2-36, 2-40, 2-43, 2-58, 2-60, 2-61, 2-65, 2-72, 2-73, 2-78, 2-79, 2-84, 2-87, 2-88, 2-91, 2-100, 4-110, 4-309, 5-2

aquatic resources

3-3, 3-12–3-15, 3-21, 3-23, 3-24, 3-43, 3-64, 3-67, 3-91, 3-117, 3-120, 3-121, 3-142, 3-146, 3-147, 3-155, 3-158, 3-159, 4-6, 4-15, 4-21, 4-26, 4-38, 4-39, 4-61, 4-114, 4-131, 4-143, 4-157, 4-187, 4-221, 4-222, 4-229, 4-241, 4-245, 4-255, 4-269, 4-270, 4-276, 4-286, 4-292, 4-301, 5-16

B

Building 306–E (Development Fabrication Test Laboratory)

2-2, 2-3, 2-36, 2-43, 2-48, 2-49, 2-56, 2-58, 2-60, 2-94, 3-90, 3-92, 3-105, 3-125, 3-135, 3-136, 3-179, 4-31–4-34, 4-36–4-39, 4-43, 4-50, 4-52, 4-53, 4-57, 4-58, 4-60–4-62, 4-71, 4-90–4-92, 4-96–4-99, 4-103, 4-227, 4-238, 4-274, 4-330, 5-1

C

commercial light water reactor

1-9, 1-25, 2-1, 2-3, 2-6, 2-7, 2-9, 2-24–2-26, 2-58, 2-61, 2-62, 2-68, 2-69, 2-91–2-93, 2-97, 2-102, 3-1, 3-142, 3-144–3-153, 3-173, 4-110, 4-111, 4-155–4-184, 4-325, 4-334, 5-1, 5-3, 5-4, 5-7–5-12, 5-14, 5-16

CPP–651 (Unirradiated Fuel Storage Facility)

2-2, 2-3, 2-36, 2-38, 2-40, 2-58–2-62, 2-64, 2-65, 3-58, 4-3, 4-19–4-24, 4-32, 4-57, 4-58, 4-60, 4-61, 4-97, 4-98, 4-110, 4-111, 4-129, 4-131, 4-132, 4-165, 4-195, 4-217, 4-243–4-246, 4-265, 4-290–4-293, 5-1, 5-2

CPP–666 (Fluorinel Dissolution Process Facility)

2-38

cultural and paleontological resources

3-1, 3-2, 3-24, 3-68, 3-122, 3-147, 3-159,
4-1, 4-7, 4-15, 4-21, 4-27, 4-39, 4-40, 4-61,
4-78, 4-92, 4-99, 4-105, 4-115, 4-124,
4-132, 4-143, 4-157, 4-166, 4-176, 4-187,
4-188, 4-197, 4-207, 4-222, 4-229, 4-241,
4-246, 4-256, 4-270, 4-276, 4-286, 4-292,
4-301, 5-7, 5-8, 5-10, 5-11

D

decontamination and decommissioning

1-11, 2-10, 2-15, 2-63, 2-65, 3-3, 3-38,
4-123, 4-124, 4-216, 4-218, 4-239–4-243,
4-253, 4-263, 4-264, 4-266, 4-285–4-290,
4-298, 4-308, 4-328, 5-2

dismissed, alternatives

1-31, 1-34, 2-1, 2-2, 2-65–2-70

E

East Tennessee Technology Park

1-26, 1-29, 1-30, 3-3, 3-4, 3-8, 3-12, 3-16,
3-18, 3-19, 3-25, 3-28, 3-38–3-41

ecological resources

3-1, 3-2, 3-21, 3-64, 3-66, 3-117, 3-146,
3-158, 4-1, 4-6, 4-15, 4-21, 4-26, 4-38, 4-39,
4-61, 4-78, 4-92, 4-98, 4-99, 4-105, 4-114,
4-124, 4-131, 4-143, 4-157, 4-166, 4-176,
4-187, 4-196, 4-207, 4-221, 4-228, 4-241,
4-245, 4-255, 4-269, 4-275, 4-286, 4-292,
4-301, 5-22

emergency management

2-53, 3-33, 3-55, 3-79, 3-102, 3-133, 3-134,
3-152, 3-163, 3-168
5-1, 5-15, 5-19, 5-20

environmental justice

2-91, 2-93, 2-94, 3-1, 3-2, 3-33, 3-34, 3-79,
3-134, 3-152, 3-164, 3-170, 4-1, 4-2, 4-10,
4-18, 4-24, 4-29, 4-49, 4-70, 4-86, 4-96,
4-103, 4-108, 4-121, 4-128, 4-139, 4-152,
4-164, 4-174, 4-184, 4-193, 4-204, 4-214,
4-223, 4-237, 4-242, 4-243, 4-252, 4-262,
4-271, 4-282, 4-283, 4-289, 4-298, 4-307,
5-13

Executive orders

2-55, 3-33, 3-79, 3-134, 3-152, 3-164, 4-4,
4-49, 4-70, 4-86, 4-220, 4-268, 5-1, 5-6,
5-12–5-14, 5-18–5-20

F

Fast Flux Test Facility

1-1, 1-2, 1-11–1-21, 1-25, 1-31–1-33, 1-36,
1-38, 2-1, 2-3, 2-5–2-7, 2-9–2-11,
2-13–2-16, 2-21, 2-24, 2-36, 2-38, 2-40,
2-42, 2-43, 2-45–2-47, 2-54–2-61, 2-63,
2-65, 2-70–2-73, 2-77–80, 2-82–2-4,
2-86–2-88, 2-91–2-97, 2-99, 2-100, 2-102,
2-103–2-106, 3-1, 3-90, 3-93, 3-96, 3-100,
3-105, 3-106, 3-109, 3-125, 3-133, 3-135,
3-136, 3-140, 3-141, 3-174, 3-177, 4-1,
4-3–4-13, 4-19, 4-25, 4-30–4-53, 4-55–4-72,
4-74–4-110, 4-112, 4-122–4-129, 4-140,
4-142, 4-144, 4-155, 4-156, 4-165, 4-175,
4-185, 4-195, 4-205, 4-215, 4-216, 4-218,
4-226, 4-232, 4-243, 4-253, 4-255, 4-256,
4-263, 4-264, 4-266, 4-290, 4-299, 4-300,
4-302, 4-308–4-310, 4-321–4-325,
4-328–4-330, 4-332–4-334, 4-336, 4-338,
5-1, 5-2, 5-6, 5-7

Fluorinel Dissolution Process Facility

1-17, 1-18, 1-32, 2-2, 2-3, 2-36, 2-38–2-41,
2-56, 2-58, 2-60–2-62, 2-64, 2-65, 2-73,
2-75, 2-77, 2-82, 2-83, 2-94, 2-96–2-98,
2-100, 3-1, 3-58, 3-80–3-83, 3-170, 4-19,
4-23, 4-32, 4-57–4-74, 4-97–4-103, 4-110,
4-111, 4-129, 4-131–4-139, 4-150, 4-165,
4-167–4-174, 4-195–4-205, 4-212, 4-217,
4-236, 4-238, 4-243–4-253, 4-262, 4-265,
4-282, 4-284, 4-290–4-298, 4-307, 4-315,
4-318, 4-330, 5-1, 5-2

Fuel Processing Facility

2-70, 3-46, 3-49, 3-83

Fuels and Materials Examination Facility

1-16, 1-17, 1-32, 2-2, 2-3, 2-36, 2-40, 2-42, 2-43, 2-44, 2-56, 2-58, 2-59-2-62, 2-64, 2-65, 2-72, 2-73, 2-82, 2-83, 2-86, 2-93, 2-94, 2-96-2-98, 2-100, 2-105, 2-106, 3-1, 3-90, 3-93, 3-94, 3-105, 3-106, 3-135, 4-3, 4-25-4-30, 4-32, 4-74-4-90, 4-103-4-109, 4-111, 4-140-4-143, 4-145-4-155, 4-175-4-184, 4-205-4-215, 4-217, 4-226, 4-232, 4-238, 4-253-4-263, 4-265, 4-284, 4-299-4-308, 4-320-4-324, 4-329, 4-330, 4-332, 4-335, 4-336, 5-1, 5-2, 5-8-5-11

G

geology and soils

2-91, 2-92, 3-1, 3-2, 3-17, 3-60, 3-114, 3-146, 3-157, 4-1, 4-6, 4-14, 4-20, 4-26, 4-38, 4-60, 4-77, 4-91, 4-92, 4-98, 4-104, 4-114, 4-124, 4-131, 4-142, 4-157, 4-166, 4-176, 4-186, 4-196, 4-206, 4-221, 4-228, 4-240, 4-245, 4-255, 4-268, 4-274, 4-275, 4-286, 4-292, 4-301

groundwater

1-5, 1-14, 1-19, 1-31, 2-80, 3-2, 3-10, 3-15-3-17, 3-21, 3-23, 3-51, 3-55, 3-56, 3-58, 3-59, 3-66, 3-88, 3-98, 3-100-3-102, 3-106, 3-109, 3-113, 3-114, 3-119, 3-146, 3-157, 3-175, 3-178, 4-5, 4-14, 4-20, 4-26, 4-36, 4-37, 4-60, 4-76, 4-77, 4-113, 4-123, 4-142, 4-176, 4-220, 4-227, 4-229, 4-241, 4-254, 4-255, 4-267, 4-274, 4-276, 4-286, 4-300

H

Hanford Site

1-11-1-24, 1-26, 1-28-1-31, 1-36, 1-37, 1-39, 2-1-2-3, 2-7, 2-9, 2-14, 2-15, 2-36, 2-40, 2-42, 2-43, 2-48, 2-56, 2-58-2-65, 2-69, 2-70, 2-73, 2-75, 2-77, 2-79, 2-83, 2-84, 2-86, 2-87, 2-91-2-93, 2-105, 2-106, 3-1, 3-33, 3-40, 3-42, 3-79, 3-87-3-102, 3-106-3-135, 3-138-3-141, 3-165, 3-166, 3-168-3-179, 4-3, 4-5-4-8, 4-10-4-13, 4-19, 4-25-4-44, 4-49-4-53, 4-55-4-64, 4-70-4-72, 4-74-4-81, 4-85-4-92, 4-96-4-99, 4-103-4-105, 4-108, 4-110-4-112, 4-122-4-126, 4-128, 4-129,

4-140-4-146, 4-151-4-156, 4-165, 4-175-4-178, 4-183-4-185, 4-195, 4-205-4-209, 4-213-4-218, 4-227, 4-238, 4-243, 4-253-4-258, 4-262-4-266, 4-274, 4-283, 4-284, 4-290, 4-299-4-304, 4-306-4-312, 4-320-4-325, 4-327-4-329, 4-332-4-336, 4-338, 5-1, 5-7, 5-16, 5-22

hazardous chemicals

4-9, 4-17, 4-23, 4-29, 4-43, 4-64, 4-80, 4-117, 4-126, 4-134, 4-146, 4-159, 4-168, 4-178, 4-189, 4-198, 4-209, 4-223, 4-242, 4-248, 4-258, 4-271, 4-279, 4-288, 4-295, 4-304

hazardous waste

1-13, 1-19, 1-22, 1-27, 1-37, 2-38, 2-40, 2-71, 2-72, 2-75, 2-78, 2-79, 2-104, 3-2, 3-3, 3-8, 3-16, 3-28, 3-31-3-38, 3-41, 3-42, 3-48, 3-49, 3-54, 3-55, 3-74, 3-77-3-81, 3-83, 3-85-3-88, 3-90, 3-128, 3-131-3-133, 3-135-3-141, 3-151, 3-153, 3-154, 3-162-3-168, 3-170, 3-171, 4-11, 4-12, 4-51-4-53, 4-55, 4-71, 4-73, 4-87, 4-89, 4-153, 4-155, 4-239, 4-284, 4-316, 4-320, 4-324, 4-326, 5-3-5-6, 5-16-5-20

high-energy accelerator

1-32, 2-5, 2-6, 2-27, 2-30, 2-58, 2-63, 2-80, 2-81, 2-84, 2-94, 2-98, 2-99, 2-102, 4-216-4-222, 4-226, 4-227, 4-231-4-236, 4-240, 4-247-4-252, 4-258-4-262, 4-330

High Flux Isotope Reactor

1-4, 1-20, 1-28, 1-31, 2-1, 2-3, 2-5-2-7, 2-9, 2-16, 2-21-2-23, 2-36, 2-58, 2-61, 2-62, 2-66, 2-68, 2-82, 2-97, 2-103, 2-106, 3-1, 3-6, 3-9, 3-10, 3-13-3-15, 3-17, 3-18, 3-21, 3-26, 3-30-3-35, 3-169, 3-176, 3-180, 4-110, 4-111, 4-185-4-201, 4-203-4-215, 4-313, 4-314, 4-336, 5-1

high-level radioactive waste

1-22, 1-23, 1-33, 1-37, 2-77, 3-38, 3-42, 3-43, 3-80, 3-81, 3-83, 3-86, 3-87, 3-136-3-138, 3-140, 3-141, 3-152, 3-164-3-166, 4-12, 4-52, 4-88, 4-89, 4-153, 4-154, 4-224, 4-237, 4-238, 4-272, 4-283, 4-290, 4-334, 5-6, 5-17

historic resources

3-25, 3-69, 3-70, 3-123, 3-124, 3-147,
3-159, 3-160, 4-222, 4-270, 5-7

human health risk

1-17, 3-1, 3-2, 3-28, 3-74, 3-128, 3-149,
3-161

IIdaho National Engineering and Environmental
Laboratory

1-4, 1-13, 1-20, 1-22–1-24, 1-27–1-29, 1-31,
2-1–2-3, 2-7, 2-9, 2-15, 2-16, 2-19, 2-36,
2-38, 2-58–2-65, 2-67, 2-69, 2-73, 2-75,
2-77–2-79, 2-82, 2-86, 2-87, 2-91–2-93,
2-106, 3-1, 3-42, 3-43, 3-45–3-49, 3-51,
3-52, 3-54–3-60, 3-62–3-64, 3-66–3-81,
3-83–3-87, 3-132, 3-140, 3-141, 3-165,
3-166, 3-169–3-178, 3-180, 4-3, 4-12,
4-19–4-24, 4-31, 4-32, 4-52, 4-57–4-65,
4-69–4-74, 4-87, 4-97–4-99, 4-102,
4-110–4-117, 4-121, 4-122, 4-129–4-134,
4-138–4-146, 4-151–4-153, 4-165–4-168,
4-173, 4-174, 4-185–4-189, 4-193–4-198,
4-203–4-209, 4-213, 4-214, 4-216, 4-217,
4-238, 4-243–4-248, 4-252, 4-253, 4-264,
4-265, 4-284, 4-290–4-295, 4-297, 4-298,
4-310, 4-312, 4-315–4-320, 4-328,
4-334–4-336, 5-7, 5-17, 5-22

Idaho Nuclear Technology and Engineering
Center

2-38, 2-40, 3-45–3-49, 3-51, 3-52,
3-54–3-56, 3-58–3-60, 3-63, 3-64,
3-66–3-72, 3-76, 3-80–3-86, 3-175,
4-20–4-22, 4-58, 4-60, 4-61, 4-72–4-74,
4-98, 4-129–4-132, 4-244–4-246,
4-290–4-292, 5-1

incident-free transportation

2-88, 2-89, 2-93, 4-4, 4-17, 4-18, 4-24, 4-29,
4-30, 4-49, 4-70, 4-86, 4-121, 4-138, 4-151,
4-152, 4-163, 4-174, 4-184, 4-193, 4-194,
4-203, 4-204, 4-213, 4-214, 4-236, 4-251,
4-261

irreversible and irretrievable commitment of
resources

4-329

L

land use

1-23, 1-37, 2-91, 3-1–3-5, 3-7, 3-26,
3-43–3-47, 3-70, 3-89, 3-91, 3-92, 3-95,
3-125, 3-142, 3-155, 4-5, 4-14, 4-20, 4-25,
4-33, 4-58, 4-75, 4-90, 4-91, 4-97, 4-104,
4-112, 4-123, 4-129, 4-140, 4-156, 4-165,
4-175, 4-185, 4-195, 4-205, 4-218, 4-224,
4-225, 4-239, 4-244, 4-253, 4-266, 4-271,
4-272, 4-285, 4-290, 4-299, 4-312

laws

1-16, 1-18, 1-34, 3-2, 3-13, 3-24, 3-34, 3-68,
3-122, 3-146, 3-147, 3-159, 5-1, 5-2, 5-6,
5-16, 5-19, 5-21

low-energy accelerator

1-11, 1-20, 1-32, 2-27, 2-56–2-58, 2-63,
2-80, 2-84, 2-94, 2-98, 2-102, 4-216–4-222,
4-226, 4-227, 4-231–4-236, 4-240,
4-247–4-251, 4-257–4-262, 4-330

low-level radioactive waste

1-22, 1-23, 1-25, 1-27, 1-29, 1-30, 1-38, 2-8,
2-77–2-79, 3-34, 3-35, 3-37, 3-39–3-43,
3-80, 3-81, 3-84–3-87, 3-105, 3-106,
3-135–3-141, 3-153, 3-154, 3-164–3-166,
4-11, 4-12, 4-19, 4-24, 4-30, 4-37,
4-50–4-54, 4-71–4-73, 4-87–4-89, 4-122,
4-153, 4-154, 4-194, 4-224, 4-238, 4-272,
4-283, 4-284, 4-312, 4-316, 4-320, 4-324,
4-335, 5-5, 5-6

M

mixed low-level radioactive waste

1-22, 1-23, 2-77–2-79, 3-35, 3-40–3-42,
3-80, 3-81, 3-84–3-87, 3-135, 3-136,
3-138–3-141, 3-153, 3-154, 3-164–3-166,
4-11, 4-12, 4-50–4-54, 4-71–4-73,
4-87–4-89, 4-153, 4-154, 4-224, 4-238,
4-272, 4-283, 4-284, 4-312, 4-324, 5-6

- N** 4-264, 4-273, 4-274, 4-276, 4-311, 4-316, 4-331, 4-332, 4-334–4-338, 5-18
- Native American resources
3-26, 3-70, 3-71, 3-125, 3-126, 3-147, 3-148, 3-159, 3-160, 4-7, 4-21, 4-27, 4-61, 4-132, 4-143, 4-222, 4-256, 4-270, 4-302, 5-10, 5-11
- No Action Alternative
1-13, 1-20, 1-21, 1-24, 1-28–1-30, 2-1, 2-3, 2-10, 2-16, 2-21, 2-24, 2-36, 2-40, 2-43, 2-52, 2-58, 2-59, 2-61, 2-71–2-73, 2-80, 2-82, 2-84, 2-86–2-88, 2-95, 4-1, 4-3, 4-7, 4-13, 4-19, 4-25, 4-50, 4-88, 4-110, 5-1
- noise
2-91, 2-92, 3-1, 3-2, 3-6, 3-7, 3-47, 3-48, 3-94, 3-95, 3-144, 3-156, 3-167, 3-174, 4-1, 4-5, 4-6, 4-14, 4-15, 4-20, 4-21, 4-25, 4-26, 4-34, 4-38, 4-39, 4-57, 4-58, 4-61, 4-75, 4-91, 4-98, 4-104, 4-112, 4-113, 4-123, 4-129, 4-130, 4-140, 4-141, 4-156, 4-165, 4-175, 4-186, 4-195, 4-196, 4-206, 4-218, 4-219, 4-222, 4-225, 4-228, 4-229, 4-239–4-241, 4-244, 4-245, 4-254, 4-255, 4-266, 4-267, 4-269, 4-272, 4-273, 4-275, 4-276, 4-285, 4-286, 4-291, 4-292, 4-300, 5-12, 5-13
- nonhazardous waste
2-78, 2-79, 3-34, 3-35, 3-38, 3-41, 3-56, 3-80, 3-81, 3-85, 3-86, 3-135, 3-136, 3-139, 3-153, 3-154, 3-164, 3-166, 4-11–4-13, 4-50, 4-51, 4-53, 4-55, 4-72, 4-74, 4-88–4-90, 4-153, 4-155, 4-224, 4-238, 4-239, 4-272, 4-283, 4-284, 4-316, 4-320, 4-324, 4-332, 5-5, 5-6
- O**
- Oak Ridge National Laboratory
1-1, 1-4, 1-20, 1-22, 1-26, 1-27, 1-29, 1-30, 1-32, 1-38, 2-1–2-3, 2-7, 2-9, 2-21, 2-22, 2-36, 2-56, 2-58–2-65, 2-67–2-70, 2-86, 2-103, 2-106, 2-107, 3-3, 3-4, 3-6–3-9, 3-12–3-18, 3-20, 3-21, 3-23–3-26, 3-28, 3-33–3-35, 3-37–3-41, 3-169, 3-170, 3-175–3-178, 4-3, 4-14, 4-15, 4-31, 4-33, 4-34, 4-37, 4-40, 4-91, 4-110–4-115, 4-185, 4-187, 4-216, 4-217, 4-225, 4-227, 4-229,
- Oak Ridge Reservation
1-22, 1-23, 1-26, 1-28–1-30, 1-32, 1-37, 1-38, 2-21, 2-36, 2-75, 2-77–2-79, 2-82, 2-86, 2-87, 2-91, 2-93, 3-1, 3-3–3-13, 3-15–3-21, 3-22–3-30, 3-32–3-35, 3-38, 3-40–3-42, 3-87, 3-132, 3-140, 3-141, 3-165, 3-166, 3-171, 3-174, 3-175, 3-177, 3-178, 4-2, 4-3, 4-12–4-19, 4-32–4-44, 4-48–4-52, 4-54, 4-55, 4-72, 4-87, 4-90–4-93, 4-96, 4-111–4-117, 4-121, 4-122, 4-153, 4-155–4-159, 4-163, 4-164, 4-185–4-189, 4-193–4-198, 4-203–4-209, 4-213, 4-214, 4-217, 4-225–4-232, 4-235, 4-237–4-239, 4-251, 4-261, 4-266, 4-273–4-279, 4-282, 4-284, 4-310–4-316, 4-328, 4-333–4-335, 4-337, 5-22
- P**
- packaging
1-21, 1-23, 1-26, 1-27, 2-36, 3-39, 3-153, 5-1, 5-15, 5-18, 5-19
- paleontological resources
3-1, 3-2, 3-24, 3-26, 3-68, 3-71, 3-88, 3-92, 3-122, 3-126, 3-127, 3-147, 3-148, 3-159, 3-160, 4-1, 4-7, 4-15, 4-21, 4-27, 4-39, 4-40, 4-61, 4-78, 4-92, 4-99, 4-105, 4-115, 4-124, 4-132, 4-143, 4-157, 4-166, 4-176, 4-187, 4-188, 4-197, 4-207, 4-222, 4-229, 4-241, 4-246, 4-256, 4-270, 4-276, 4-286, 4-292, 4-301, 5-7, 5-8, 5-10, 5-11
- Preferred Alternative
2-1, 2-2, 2-103
- prehistoric resources
3-25, 3-69, 3-123, 3-147, 3-159, 5-8
- purpose and need
1-1, 1-15, 1-30, 1-34

R

Radiochemical Engineering Development Center

1-17, 1-20, 1-31, 1-32, 2-2, 2-3, 2-21, 2-36,
2-37, 2-56, 2-58–2-63, 2-65, 2-75, 2-82,
2-83, 2-94, 2-96–2-98, 2-100, 2-103, 3-1,
3-6, 3-9, 3-10, 3-13, 3-14, 3-17, 3-26,
3-30–3-35, 3-169, 3-180, 4-2, 4-3,
4-13–4-19, 4-22, 4-28, 4-31–4-51, 4-54,
4-55, 4-90–4-96, 4-110–4-122,
4-155–4-164, 4-185–4-194, 4-217, 4-224,
4-225, 4-227–4-229, 4-231–4-239, 4-251,
4-261, 4-264, 4-266, 4-272–4-282, 4-284,
4-313, 4-314, 4-330, 4-337, 5-1, 5-2

Radiochemical Processing Laboratory
(Building 325)

2-2, 2-3, 2-36, 2-43, 2-45–2-47, 2-56, 2-58,
2-60, 2-73, 2-75, 2-83, 2-92, 2-94, 3-90,
3-92, 3-105, 3-122, 3-125, 3-134–3-136,
3-179, 4-31–4-34, 4-36–4-39, 4-41–4-50,
4-52, 4-53, 4-57, 4-58, 4-60–4-67,
4-69–4-71, 4-90–4-103, 4-227, 4-238,
4-274, 4-320, 4-330, 5-1

regulations

1-14, 1-16–1-20, 1-34, 2-53, 2-103, 2-104,
3-2, 3-24, 3-32, 3-41, 3-47, 3-68, 3-78, 3-94,
3-122, 3-131, 3-145–3-147, 3-152, 3-156,
3-159, 3-164, 3-165, 3-167, 4-18, 4-128,
4-243, 4-289, 4-331, 4-332, 4-336, 5-1–5-5,
5-7, 5-11, 5-12, 5-14, 5-16–5-21

research reactor

1-2, 1-4, 1-7, 1-11, 1-20–1-22, 1-24, 1-30,
1-32, 1-36, 2-1–2-3, 2-6, 2-7, 2-9, 2-15,
2-16, 2-21, 2-24, 2-30–2-36, 2-38, 2-40,
2-43, 2-54, 2-56–2-58, 2-64, 2-65, 2-67,
2-68, 2-70, 2-78–2-80, 2-82, 2-84, 2-85,
2-87, 2-88, 2-91–2-94, 2-99, 2-100, 2-102,
2-105, 2-106, 3-1, 3-155, 3-156,
3-158–3-161, 3-163 4-1, 4-241, 4-242,
4-264–4-308, 4-311, 4-312, 4-317, 4-319,
4-325, 4-327–4-330, 4-333, 4-337, 5-2–5-4,
5-7–5-13, 5-16

S

scoping process

1-11–1-14, 1-34–1-36, 2-1, 2-2, 2-30, 2-105

socioeconomics

1-32, 2-86, 3-1, 3-2, 3-27, 3-72, 3-127,
3-148, 3-160, 4-1, 4-7, 4-15, 4-21, 4-27,
4-40, 4-57, 4-62, 4-78, 4-92, 4-99, 4-105,
4-115, 4-125, 4-132, 4-144, 4-157, 4-166,
4-177, 4-188, 4-197, 4-207, 4-223, 4-230,
4-241, 4-246, 4-256, 4-270, 4-277, 4-287,
4-293, 4-302

spent nuclear fuel

1-7, 1-15–1-17, 1-21, 1-23, 1-24, 1-27–1-30,
1-33, 1-36–1-38, 2-31, 2-38, 2-40,
2-54–2-56, 2-69–2-71, 2-77–2-79, 2-105,
3-1, 3-43, 3-45, 3-81, 3-83, 3-88, 3-141,
3-153, 3-165, 3-166, 3-171, 3-172, 3-174,
3-176, 4-1, 4-13, 4-55–4-57, 4-74, 4-90,
4-97, 4-103, 4-109, 4-122, 4-128, 4-129,
4-139, 4-155, 4-164, 4-175, 4-185, 4-194,
4-205, 4-215, 4-285, 4-288–4-290, 4-298,
4-308, 4-311, 4-312, 4-317–4-325,
4-332–4-334, 5-6, 5-17

support facility

2-27, 2-34, 2-48, 2-50, 2-51, 2-56, 2-57,
2-63–2-65, 2-79, 2-80, 2-92–2-94, 2-98,
2-99–2-100, 3-155, 3-156, 4-216–4-235,
4-237–4-308, 4-325, 4-327, 4-330, 5-2–5-4,
5-7–5-13

surface water

1-19, 1-31, 2-92, 3-2, 3-10–3-13, 3-15–3-17,
3-31, 3-51–3-54, 3-67, 3-77, 3-98–3-102,
3-105, 3-109, 3-131, 3-145, 3-146, 3-157,
4-14, 4-20, 4-26, 4-36–4-38, 4-60, 4-76,
4-220, 4-227, 4-241, 4-267, 4-268, 4-274,
4-286, 5-16

T

terrestrial resources

2-92, 3-21, 3-64, 3-117, 3-146, 3-158, 4-38,
4-114, 4-157, 4-221, 4-222, 4-228, 4-229,
4-269, 4-270, 4-275, 4-276

Test Reactor Area

2-15, 2-16, 2-106, 3-45, 3-46, 3-48, 3-51, 3-52, 3-54–3-56, 3-58–3-60, 3-64, 3-66–3-73, 3-76, 3-77, 3-79, 3-81–3-84, 3-86, 3-172, 4-112, 4-114

threatened and endangered species

1-32, 2-92, 3-21, 3-24, 3-64, 3-68, 3-117, 3-121, 3-146, 3-147, 3-158, 3-159, 3-175, 3-178, 4-6, 4-15, 4-21, 4-26, 4-38, 4-39, 4-61, 4-114, 4-124, 4-131, 4-143, 4-157, 4-187, 4-221, 4-222, 4-228, 4-229, 4-245, 4-255, 4-269, 4-270, 4-275, 4-276, 4-292, 4-301, 5-9

transportation

1-13, 1-20, 1-23, 1-24, 1-26, 1-28, 1-29, 1-31, 1-32, 1-34, 1-35, 1-38, 2-1, 2-2, 2-50, 2-52–2-56, 2-59–2-63, 2-65, 2-71, 2-82, 2-86–2-90, 2-93, 2-104, 3-2, 3-27, 3-28, 3-34, 3-47, 3-70, 3-72–3-74, 3-80, 3-84, 3-91, 3-100, 3-127, 3-128, 3-135, 3-148, 3-149, 3-152, 3-156, 3-164, 3-167, 3-170, 3-176, 3-179, 4-1–4-4, 4-10, 4-12–4-14, 4-17–4-20, 4-24–4-26, 4-29–4-33, 4-36, 4-48, 4-49, 4-54, 4-55, 4-57, 4-59, 4-69–4-71, 4-74, 4-75, 4-85–4-87, 4-90, 4-96, 4-97, 4-102–4-104, 4-108, 4-110–4-113, 4-121, 4-122, 4-128–4-130, 4-138–4-140, 4-142, 4-151, 4-152, 4-155, 4-156, 4-163–4-166, 4-174–4-176, 4-184–4-186, 4-193–4-196, 4-203–4-206, 4-213, 4-214, 4-217, 4-224, 4-229, 4-236, 4-237, 4-243, 4-244, 4-251–4-254, 4-261, 4-262, 4-264, 4-266, 4-271, 4-273, 4-276, 4-282, 4-290, 4-291, 4-297–4-300, 4-307, 4-310, 4-312, 4-325, 4-328, 4-329, 4-334, 4-335, 5-1, 5-5, 5-15, 5-16, 5-18, 5-19

transuranic waste

1-17, 1-22–1-24, 1-27, 1-29, 1-30, 1-33, 1-38, 2-19, 2-20, 2-36, 2-38, 2-77, 2-78, 3-4, 3-34, 3-35, 3-38, 3-39, 3-41–3-43, 3-80–3-87, 3-135–3-141, 3-153, 3-164, 3-165, 3-168, 3-174, 4-12, 4-50–4-54, 4-71–4-74, 4-87–4-89, 4-153, 4-154, 4-224, 4-237, 4-238, 4-272, 4-283, 4-311–4-313, 4-315, 4-316, 4-319, 4-320, 4-323, 4-324, 4-331, 4-334, 5-6, 5-17

U

unavoidable adverse environmental impacts
4-327

Unirradiated Fuel Storage Facility

2-38

V

visual resources

2-91, 3-1–3-3, 3-6, 3-43, 3-46, 3-91, 3-93, 3-142, 3-144, 3-155, 3-156, 4-5, 4-14, 4-20, 4-25, 4-33, 4-58, 4-75, 4-91, 4-97, 4-104, 4-112, 4-123, 4-129, 4-140, 4-156, 4-165, 4-175, 4-185, 4-186, 4-195, 4-205, 4-206, 4-218, 4-225, 4-239, 4-244, 4-254, 4-266, 4-272, 4-285, 4-291, 4-299, 5-10

W

waste management

1-15–1-17, 1-22–1-25, 1-32, 1-33, 1-36, 1-37, 2-55, 2-77, 2-79, 2-104, 3-1–3-4, 3-14, 3-34, 3-36, 3-37, 3-39, 3-42, 3-43, 3-45, 3-55, 3-56, 3-71, 3-80, 3-81, 3-83–3-88, 3-90, 3-96, 3-100, 3-105, 3-106, 3-109, 3-135, 3-137, 3-140, 3-141, 3-152–3-154, 3-157, 3-164, 3-168, 3-169, 3-171–3-173, 3-175, 3-177, 3-180, 4-1, 4-11, 4-12, 4-19, 4-24, 4-30, 4-38, 4-50–4-53, 4-55, 4-60, 4-71–4-74, 4-77, 4-87–4-90, 4-96, 4-103, 4-109, 4-122, 4-124, 4-128, 4-139, 4-142, 4-152–4-155, 4-164, 4-174, 4-184, 4-194, 4-204, 4-205, 4-215, 4-224, 4-227, 4-237–4-240, 4-243, 4-252, 4-253, 4-262, 4-263, 4-271, 4-274, 4-283, 4-284, 4-286, 4-289, 4-298, 4-308, 4-310–4-317, 4-319–4-324, 4-331–4-335, 4-337, 5-2, 5-5, 5-6, 5-15–5-18

waste minimization

1-16, 3-41, 3-86, 3-140, 3-154, 3-166, 3-174, 4-334

water resources

1-32, 3-1, 3-2, 3-10, 3-51, 3-98, 3-145,
3-157, 4-1, 4-5, 4-14, 4-20, 4-26, 4-36–4-38,
4-60, 4-76, 4-91, 4-98, 4-104, 4-113, 4-123,
4-131, 4-142, 4-156, 4-166, 4-176, 4-186,
4-196, 4-206, 4-220, 4-226, 4-227, 4-240,
4-244, 4-254, 4-267, 4-268, 4-273, 4-274,
4-286, 4-291, 4-300, 5-5, 5-13, 5-17

wetlands

2-92, 3-21, 3-23, 3-64, 3-66, 3-67, 3-101,
3-117, 3-119, 3-120, 3-146, 3-147, 3-158,
3-159, 4-6, 4-15, 4-26, 4-38, 4-39, 4-143,
4-157, 4-187, 4-221, 4-222, 4-228, 4-229,
4-255, 4-269, 4-270, 4-275, 4-276, 4-301,
5-12–5-14, 5-18

Y

Y–12 Plant

1-29, 1-30, 3-3, 3-4, 3-8, 3-12, 3-13, 3-16,
3-18, 3-24, 3-25, 3-28, 3-32, 3-36, 3-37,
3-39–3-41, 3-169, 3-177, 3-178, 4-51