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**Oak Ridge Reservation Annual Site  
Environmental Report for 1997**

on the World Wide Web  
[http://www.ornl.gov/Env\\_Rpt/aser97/aser.htm](http://www.ornl.gov/Env_Rpt/aser97/aser.htm)

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Date published: October 1998

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Managed by Lockheed Martin Energy Research Corp.  
for the U.S. Department of Energy under Contract No. DE-AC05-96OR22464  
and by  
the Oak Ridge Y-12 Plant and the East Tennessee Technology Park  
P. O. Box 2008, Oak Ridge, TN 37831-6285  
Managed by Lockheed Martin Energy Systems, Inc.  
for the U.S. Department of Energy under Contract No. DE-AC05-84OR21400

# Contents

	<b>Page</b>
List of Figures .....	ix
List of Tables .....	xv
Acronyms and Abbreviations .....	xxi
Acknowledgments .....	xxix
<b>1. SITE AND OPERATIONS OVERVIEW .....</b>	<b>1-1</b>
1.1 BACKGROUND .....	1-1
1.2 DESCRIPTION OF SITE LOCALE .....	1-1
1.3 CLIMATE .....	1-2
1.3.1 Temperature .....	1-2
1.3.2 Winds .....	1-4
1.3.3 Precipitation .....	1-4
1.3.4 Evapotranspiration .....	1-4
1.4 DESCRIPTION OF SITE, FACILITIES, AND OPERATIONS .....	1-4
1.4.1 Lockheed Martin Energy Systems, Inc. ....	1-5
1.4.2 Bechtel Jacobs Company LLC .....	1-5
1.4.3 Lockheed Martin Energy Research Corporation .....	1-7
1.4.4 Oak Ridge Institute for Science and Education .....	1-10
<b>2. ENVIRONMENTAL COMPLIANCE .....</b>	<b>2-1</b>
2.1 INTRODUCTION .....	2-1
2.2 COMPLIANCE ACTIVITIES .....	2-1
2.2.1 Resource Conservation and Recovery Act .....	2-1
2.2.2 RCRA-CERCLA Integration .....	2-5
2.2.3 Comprehensive Environmental Response, Compensation, and Liability Act .....	2-6
2.2.4 Federal Facility Compliance Agreement .....	2-7
2.2.5 Underground Storage Tanks .....	2-7
2.2.6 National Environmental Policy Act .....	2-9
2.2.7 National Historic Preservation Act .....	2-11
2.2.8 Protection of Wetlands .....	2-11
2.2.9 Floodplains Management .....	2-12
2.2.10 Endangered Species Act .....	2-13
2.2.11 Environmental Justice .....	2-13
2.2.12 Safe Drinking Water Act .....	2-16
2.2.13 Clean Water Act .....	2-17
2.2.14 Clean Air Act .....	2-20
2.2.15 Toxic Substances Control Act .....	2-22
2.2.16 Federal Insecticide, Fungicide, and Rodenticide Act .....	2-23
2.2.17 Emergency Planning and Community Right-To-Know Act .....	2-24
2.2.18 Environmental Occurrences .....	2-26

## Oak Ridge Reservation

---

2.3	DOE ORDER AND STANDARDS DEVELOPMENT .....	2-26
2.3.1	Standards/Requirements Identification Documents .....	2-26
2.3.2	Work Smart Standards .....	2-27
2.3.3	Department of Energy Acquisition Regulations .....	2-27
2.3.4	DOE Order 5400.1, General Environmental Protection Program, and DOE Order 231.1, Environment, Safety and Health Reporting .....	2-28
2.3.5	DOE Order 5400.5, Radiation Protection of the Public and the Environment .....	2-29
2.4	APPRAISALS AND SURVEILLANCES OF ENVIRONMENTAL PROGRAMS .....	2-29
2.4.1	Defense Nuclear Facilities Safety Board .....	2-29
2.5	ENVIRONMENTAL PERMITS .....	2-29
2.6	NOTICES OF VIOLATIONS AND PENALTIES .....	2-29
2.7	CURRENT ISSUES .....	2-33
2.7.1	Actions Filed by Friends of the Earth, Inc. ....	2-33
2.7.2	Hazardous/Toxic Waste Off-Site Shipment Moratorium .....	2-33
2.7.3	Tennessee Oversight Agreement .....	2-34
3.	ENVIRONMENTAL MANAGEMENT AND RESERVATION ACTIVITIES .....	3-1
3.1	INTRODUCTION .....	3-1
3.2	COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT .....	3-1
3.2.1	Oak Ridge Y-12 Plant .....	3-1
3.2.2	East Tennessee Technology Park .....	3-2
3.2.3	Oak Ridge National Laboratory .....	3-2
3.2.4	ORR Boundary Areas .....	3-3
3.3	ORR INTEGRATED WATER QUALITY MONITORING PROGRAM .....	3-3
3.4	THE DOE-ORO ENVIRONMENTAL MANAGEMENT RADIOLOGICAL SCRAP METAL PROGRAM .....	3-3
3.5	REMEDIAION UNDER WAY FOR THE MOLTEN SALT REACTOR EXPERIMENT FACILITY .....	3-4
3.6	GUNITE AND ASSOCIATED TANKS REMEDIATION .....	3-4
3.7	LAND APPLICATION OF SEWAGE SLUDGE .....	3-5
3.8	PARTNERS IN FLIGHT SURVEY .....	3-6
3.9	COMMUNITY HIKES ON THE OAK RIDGE NATIONAL ENVIRONMENTAL RESEARCH PARK .....	3-7
3.10	PUBLIC INVOLVEMENT ACTIVITIES .....	3-7
3.10.1	EnvironMENTAL Fair .....	3-8
3.10.2	Site-Specific Advisory Board .....	3-8
3.10.3	Use and Reuse of Contaminated Land .....	3-9
3.11	SOME WEB SITES AND A NEW TOLL-FREE NUMBER .....	3-9
4.	EFFLUENT MONITORING .....	4-1
4.1	AIRBORNE DISCHARGES .....	4-1
4.1.1	Y-12 Plant Radiological Airborne Effluent Monitoring .....	4-2
4.1.2	ORNL Radiological Airborne Effluent Monitoring .....	4-3
4.1.3	ETTP Radiological Airborne Effluent Monitoring .....	4-5
4.1.4	Y-12 Plant Nonradiological Airborne Emissions Monitoring .....	4-8

4.1.5	ORNL Nonradiological Airborne Emissions Monitoring .....	4-11
4.1.6	ETTP Nonradiological Airborne Emissions Monitoring .....	4-12
4.2	LIQUID DISCHARGES .....	4-13
4.2.1	Radiological Liquid Discharges .....	4-13
4.2.2	Nonradiological Liquid Discharges .....	4-22
4.3	TOXICITY CONTROL AND MONITORING PROGRAM .....	4-41
4.3.1	Y-12 Plant Biomonitoring Program .....	4-41
4.3.2	ORNL Wastewater Biomonitoring .....	4-44
4.3.3	ETTP Toxicity Control and Monitoring Program .....	4-46
4.4	BIOLOGICAL MONITORING AND ABATEMENT PROGRAMS .....	4-47
4.4.1	Y-12 Plant BMAP .....	4-47
4.4.2	ORNL BMAP .....	4-52
4.4.3	ETTP BMAP .....	4-54
4.4.4	Waterfowl Surveys .....	4-55
4.4.5	Ecological Surveys .....	4-55
4.4.6	BMAP Trends on the ORR .....	4-56
5.	ENVIRONMENTAL SURVEILLANCE .....	5-1
5.1	ENVIRONMENTAL SURVEILLANCE PROGRAM CHANGES .....	5-1
5.2	METEOROLOGICAL MONITORING .....	5-1
5.2.1	Description .....	5-1
5.2.2	Results .....	5-2
5.3	EXTERNAL GAMMA RADIATION MONITORING .....	5-3
5.3.1	Data Collection and Analysis .....	5-3
5.3.2	Results .....	5-3
5.4	AMBIENT AIR MONITORING .....	5-3
5.4.1	ORR Ambient Air Monitoring .....	5-3
5.4.2	Y-12 Plant Ambient Air Monitoring .....	5-6
5.4.3	ORNL Ambient Air Monitoring .....	5-10
5.4.4	ETTP Ambient Air Monitoring .....	5-13
5.5	SURFACE WATER MONITORING .....	5-18
5.5.1	ORR Surface Water Monitoring .....	5-18
5.5.2	Y-12 Plant Surface Water Monitoring .....	5-21
5.5.3	ORNL Surface Water Monitoring at Reference Locations .....	5-24
5.5.4	ETTP Surface Water Monitoring .....	5-25
5.5.5	Off-Site Monitoring .....	5-28
5.6	SOIL .....	5-28
5.7	ORR SEDIMENT .....	5-29
5.7.1	Results .....	5-29
5.7.2	Y-12 Sediment Sampling .....	5-31
5.8	FOOD .....	5-31
5.8.1	Hay .....	5-31
5.8.2	Vegetables .....	5-32
5.8.3	Milk .....	5-32
5.8.4	Honey .....	5-34
5.8.5	Fish .....	5-34

## Oak Ridge Reservation

---

5.8.6	White-Tailed Deer	5-35
5.8.7	Resident Canada Geese	5-36
5.8.8	Turkey Monitoring	5-36
6.	DOSE	6-1
6.1	RADIATION DOSE	6-1
6.1.1	Terminology	6-1
6.1.2	Methods of Evaluation	6-1
6.1.3	Doses to Aquatic Biota	6-14
6.1.4	Current-Year Summary	6-14
6.1.5	Five-Year Trends	6-16
6.1.6	Potential Contributions from Off-Site Sources	6-17
6.1.7	Findings	6-17
6.2	CHEMICAL DOSE	6-18
6.2.1	Terminology	6-18
6.2.2	Methods of Evaluation	6-18
7.	GROUNDWATER	7-1
7.1	INTRODUCTION	7-1
7.1.1	Geological Setting	7-1
7.1.2	Hydrogeological Setting	7-1
7.1.3	Groundwater Flow	7-5
7.1.4	Groundwater Monitoring Considerations	7-6
7.1.5	Groundwater Monitoring Programs on the ORR	7-6
7.2	GROUNDWATER MONITORING AT THE Y-12 PLANT	7-6
7.2.1	Background and Regulatory Setting	7-6
7.2.2	Hydrogeologic Setting and Summary of Groundwater Quality	7-8
7.2.3	1997 Well Installation and Plugging and Abandonment Activities	7-9
7.2.4	1997 Monitoring Program	7-10
7.2.5	Y-12 Plant Groundwater Quality	7-10
7.3	GROUNDWATER MONITORING AT THE OAK RIDGE NATIONAL LABORATORY	7-35
7.3.1	Background	7-35
7.3.2	Well Plugging and Abandonment at ORNL	7-46
7.4	GROUNDWATER MONITORING AT THE ETTP	7-46
7.4.1	Background and Hydrogeologic Setting	7-46
7.4.2	Watersheds	7-48
7.4.3	1997 Groundwater Monitoring Results	7-50
8.	QUALITY ASSURANCE	8-1
8.1	INTRODUCTION	8-1
8.2	FIELD SAMPLING QUALITY ASSURANCE	8-1
8.3	ANALYTICAL QUALITY ASSURANCE	8-2
8.3.1	Internal Quality Control	8-2
8.3.2	External Quality Control	8-2
8.3.3	Quality Assessment Program for Subcontracted Laboratories	8-5
8.4	DATA MANAGEMENT, VERIFICATION, AND VALIDATION	8-5

Appendix A. Radiation ..... A-1

Appendix B. Chemicals ..... B-1

Appendix C. Air Permits ..... C-1

Appendix D. Reference Standards and Data for Water ..... D-1

Appendix E. Underground Storage Tank Data ..... E-1

Appendix F. NPDES Noncompliances ..... F-1

Appendix G. Errata ..... G-1

Appendix H. Glossary ..... H-1

References ..... R-1

# LIST OF FIGURES

Figure	Page
1.1 Location of the city of Oak Ridge .....	1-2
1.2 The Oak Ridge Reservation .....	1-3
1.3 The ten-county region surrounding the Oak Ridge Reservation .....	1-3
1.4 Locations and populations of towns nearest to the Oak Ridge Reservation .....	1-3
1.5 The Oak Ridge Y-12 Plant .....	1-6
1.6 The East Tennessee Technology Park (formerly the Oak Ridge K-25 Site). .....	1-7
1.7 The Oak Ridge National Laboratory .....	1-8
1.8 The Oak Ridge National Environmental Research Park covers 21,980 acres on the reservation .....	1-9
2.1 Five-year summary of NPDES noncompliances .....	2-17
3.1 Current and proposed sites for the land application of sewage sludge on the ORR .....	3-6
4.1 Total curies of uranium discharged from the Y-12 Plant to the atmosphere, 1992–97 .....	4-3
4.2 Total kilograms of uranium discharged from the Y-12 Plant to the atmosphere, 1992–97 .....	4-3
4.3 Locations of major stacks (rad emission points) at ORNL .....	4-4
4.4 Total discharges of $^3\text{H}$ from ORNL to the atmosphere, 1993–97 .....	4-7
4.5 Total discharges of $^{131}\text{I}$ from ORNL to the atmosphere, 1993–97 .....	4-7
4.6 Total discharges of $^{41}\text{Ar}$ from ORNL to the atmosphere, 1996–97 .....	4-7
4.7 ETTP active point sources of airborne radioactivity .....	4-8
4.8 Total curies of uranium discharged from the ETTP to the atmosphere, 1993–97 .....	4-9
4.9 Total kilograms of uranium discharged from the ETTP to the atmosphere, 1993–97 .....	4-9
4.10 Y-12 Plant CFC emissions, 1992–1997 .....	4-11

## Oak Ridge Reservation

---

4.11	Surface water and sanitary sewer radiological sampling locations at the Y-12 Plant . . . .	4-16
4.12	Concentrations of <sup>238</sup> U at the Y-12 Plant Outfall 501, January 1989 through December 1997 . . . . .	4-17
4.13	Eight-year trend of Y-12 Plant release of uranium to surface water . . . . .	4-18
4.14	Five-year trend of total uranium discharges from the Y-12 Plant Sanitary Sewer . . . . .	4-19
4.15	ORNL surface water, NPDES, and reference sampling locations . . . . .	4-20
4.16	Radionuclides at ORNL sampling sites having average concentrations greater than 4% of the relevant derived concentration guides in 1997 . . . . .	4-20
4.17	Cobalt-60 discharges at White Oak Dam, 1993–97 . . . . .	4-21
4.18	Cesium-137 discharges at White Oak Dam, 1993–97 . . . . .	4-21
4.19	Gross alpha discharges at White Oak Dam, 1993–97 . . . . .	4-21
4.20	Gross beta discharges at White Oak Dam, 1993–97 . . . . .	4-21
4.21	Total radioactive strontium discharges at White Oak Dam, 1993–97 . . . . .	4-21
4.22	Tritium discharges at White Oak Dam, 1993–97 . . . . .	4-21
4.23	ETTP NPDES major outfalls and Category I storm drain outfalls . . . . .	4-22
4.24	Five-year trend of uranium releases to surface waters from the ETTP . . . . .	4-23
4.25	Percentage of DCG for uranium isotopes from K-1407-J . . . . .	4-23
4.26	ORNL NPDES permit limit exceedences in 1997 (total = 19) . . . . .	4-35
4.27	ETTP NPDES compliance history by source of noncompliance . . . . .	4-36
4.28	Average mercury concentrations in fish and water above and below Lake Reality, 1994–97 . . . . .	4-49
4.29	PCB concentrations in fish above and below Lake Reality, 1994–97 . . . . .	4-49
4.30	Colonization of EFPC by sensitive fish species . . . . .	4-51
4.31	Comparison of number of species in EFPC and Brushy Creek . . . . .	4-53
4.32	Number of sensitive species in EFPC and Brush Creek . . . . .	4-53

5.1	The ORR meteorological monitoring network .....	5-2
5.2	External gamma radiation monitoring locations on the ORR .....	5-4
5.3	Location of ORR perimeter air monitoring stations .....	5-5
5.4	Locations of ambient air monitoring stations at the Y-12 Plant .....	5-8
5.5	Temporal trends in mercury vapor concentration at Ambient Station No. 2 from January through mid-December 1997 as measured by a Tekran Model 2537A mercury vapor analyzer .....	5-10
5.6	Comparison of the Tekran 7-day moving average with the 7-day charcoal trap data for Ambient Station No. 2 during the first half of 1997 .....	5-10
5.7	Temporal comparison of peak (>0.01 µg/m <sup>3</sup> ) mercury concentrations at Ambient Station No. 2 and Ambient Station No. 8 during a 2-month period in 1997 .....	5-11
5.8	Time trends in mercury vapor concentrations for the four active airborne mercury monitoring sites at the Oak Ridge Y-12 Plant (1986 through 1997) .....	5-12
5.9	Locations of ambient air monitoring stations at ORNL .....	5-13
5.10	Locations of ambient air monitoring stations at the ETTP .....	5-15
5.11	Ambient air monitoring 5-year trend results for PM10 at the ETTP .....	5-17
5.12	Ambient air monitoring 5-year trend results for lead at the ETTP .....	5-18
5.13	Ambient air monitoring 5-year trend results for uranium at the ETTP .....	5-20
5.14	Locations of ORR surface water surveillance sampling stations .....	5-21
5.15	Locations of Y-12 Plant surface water surveillance sampling stations .....	5-23
5.16	Surface Water Hydrological Information Support System monitoring locations .....	5-24
5.17	Monitoring locations for surface water at the ETTP .....	5-29
5.18	Percentage of DCGs for ETTP surface water monitoring locations .....	5-29
5.19	ORNL off-site monitoring at the Gallaher and Kingston water treatment plants .....	5-30
5.20	ORR environmental monitoring plan sediment sampling locations .....	5-30
5.21	Hay sampling locations on the ORR .....	5-32

## Oak Ridge Reservation

---

5.22	Milk sampling locations in the vicinity of the ORR . . . . .	5-33
5.23	Fish sampling locations for ORR environmental monitoring plan . . . . .	5-35
7.1	Vertical relationships of flow zones of the ORR: estimated thicknesses, water flux, and water types . . . . .	7-3
7.2	The Knox Aquifer and the aquitards on the Oak Ridge Reservation . . . . .	7-4
7.3	Water table interval . . . . .	7-4
7.4	Y-12 Plant inactive regulated units, study areas, and active facilities for which groundwater monitoring was conducted in CY 1997 . . . . .	7-7
7.5	Hydrogeologic regimes at the Y-12 Plant . . . . .	7-8
7.6	Locations of ORR perimeter surveillance wells and multiport monitoring wells specified in the <i>Environmental Monitoring Plan (Rev. 1)</i> . . . . .	7-12
7.7	Locations of waste management sites and monitoring wells sampled during 1997 in the Upper East Fork Poplar Creek Hydrogeologic Regime . . . . .	7-12
7.8	Nitrate (as N) observed in groundwater at the Y-12 Plant . . . . .	7-15
7.9	VOC concentration in groundwater in selected wells in the East Fork regime . . . . .	7-16
7.10	VOC concentrations in selected wells near New Hope Pond and exit pathway wells . . . . .	7-17
7.11	Maximum carbon tetrachloride concentrations in Maynardville Limestone at depths between 200 and 500 ft, 1997 . . . . .	7-18
7.12	Summed volatile organic compounds in groundwater at the Y-12 Plant . . . . .	7-19
7.13	Gross alpha activity in groundwater at the Y-12 Plant . . . . .	7-20
7.14	Gross beta activity in groundwater at the Y-12 Plant . . . . .	7-21
7.15	Locations of waste management sites and monitoring wells sampled during 1997 in the Bear Creek Hydrogeologic Regime . . . . .	7-22
7.16	Surface water and spring stations sampled during 1997 in the Bear Creek Hydrogeologic Regime . . . . .	7-23
7.17	VOC concentrations in Bear Creek Burial Grounds well GW-627 . . . . .	7-26
7.18	Concentrations of selected contaminants in exit-pathway monitoring wells GW-724, GW-704, and GW-684 in the Bear Creek Hydrogeologic Regime . . . . .	7-27

---

7.19	Concentrations of selected groundwater contaminants in springs and surface water in the Bear Creek Hydrogeologic Regime .....	7-29
7.20	Locations of waste management sites and monitoring wells sampled during 1997 in the Chestnut Ridge Hydrogeologic Regime .....	7-30
7.21	VOC concentrations in Industrial Landfill IV well GW-305 .....	7-34
7.22	Tetrachloroethene concentrations in Chestnut Ridge Security Pits well GW-609 .....	7-34
7.23	Locations of ORNL waste area groupings (WAGs) .....	7-36
7.24	Groundwater exit pathways on the Oak Ridge Reservation that are likely to be affected by Oak Ridge operations .....	7-39
7.25	ETTP watershed areas .....	7-49
A.1	The hydrogen atom and its isotopes .....	A-3
A.2	Examples of radiation pathways .....	A-7

# LIST OF TABLES

<b>Table</b>	<b>Page</b>
2.1 RCRA operating permits . . . . .	2-3
2.2 Summary of proposed Appendix A to HSWA permit . . . . .	2-4
2.3 RCRA and CERCLA corrective action processes . . . . .	2-5
2.4 Postclosure permits for Y-12 Plant hydrogeologic regimes . . . . .	2-6
2.5 ORR UST status, 1997 . . . . .	2-8
2.6 NEPA activities during 1997 . . . . .	2-10
2.7 Animal species of concern reported from the Oak Ridge Reservation . . . . .	2-14
2.8 Protected vascular plant species found on the Oak Ridge Reservation (September 1997) . . . . .	2-15
2.9 EPCRA (SARA Title III) compliance information for the ORR . . . . .	2-24
2.10 EPCRA Section 313 toxic chemical release and off-site transfer summary for the ORR . . . . .	2-25
2.11 Summary of environmental audits and assessments conducted at the Y-12 Plant, 1997 . . . . .	2-30
2.12 Summary of environmental audits and assessments conducted at ORNL, 1997 . . . . .	2-30
2.13 Summary of environmental audits and assessments conducted at the ETTP, 1997 . . . . .	2-31
2.14 Summary of permits as of December 1997 . . . . .	2-32
3.1 Highest levels of heavy metals detected in 1997 at the city of Oak Ridge POTW compared with limits established in 40 CFR 503.13 and 40 CFR 503.23 . . . . .	3-7
4.1 Y-12 Plant airborne uranium emission estimates, 1997 . . . . .	4-3
4.2 Major sources of radiological airborne emissions at ORNL, 1997 (in curies) . . . . .	4-6
4.3 ETTP radionuclide air emission totals, 1997 (in curies) . . . . .	4-9

## Oak Ridge Reservation

---

4.4	Y-12 Plant nonradiological airborne emissions, 1997 .....	4-10
4.5	Actual vs allowable air emissions from ORNL steam production, 1997 .....	4-13
4.6	Allowable emissions of criteria pollutants from the ETTP, 1993–97 .....	4-13
4.7	Actual emissions of criteria pollutants from the ETTP, 1997 .....	4-13
4.8	Actual vs allowable air emissions from the K-1501 Steam Plant at the ETTP, 1997 ....	4-14
4.9	Actual vs allowable air emissions from the TSCA Incinerator at the ETTP, 1997 .....	4-14
4.10	Radiological parameters monitored at the Y-12 Plant in 1997 .....	4-15
4.11	Summary of Y-12 Plant radiological monitoring plan sample requirements .....	4-17
4.12	Release of uranium from the Y-12 Plant to the off-site environment as a liquid effluent, 1991–97 .....	4-18
4.13	Y-12 Plant Discharge Point SS6, Sanitary Sewer Station 6 (1/1/97–12/31/97) .....	4-19
4.14	Radionuclides released to off-site surface waters from the ETTP, 1997 .....	4-22
4.15	NPDES compliance monitoring requirements and record for the Y-12 Plant, January through December 1997 .....	4-26
4.16	Y-12 Plant Discharge Point SS6, Sanitary Sewer Station 6, nonradiological summary (1/1/97–12/31/97) .....	4-29
4.17	1997 NPDES compliance at ORNL (NPDES permit effective Feb. 3, 1997) .....	4-32
4.18	NPDES compliance at the ETTP, 1997 .....	4-37
4.19	Y-12 Plant Biomonitoring Program summary information for wastewater treatment systems and storm sewer effluents for 1997 .....	4-42
4.20	Y-12 Plant Biomonitoring Program summary information for Outfall 201 for 1997 ....	4-43
4.21	1997 toxicity test results of ORNL wastewaters .....	4-45
4.22	1997 average water quality measured during toxicity tests of ORNL wastewaters .....	4-46
4.23	1997 ETTP NPDES Permit Number TN 0002950 toxicity tests results .....	4-47
4.24	1997 ETTP average water quality parameters measured during toxicity tests of ETTP wastewaters .....	4-47

5.1	External gamma averages, 1997 .....	5-4
5.2	Radionuclide concentrations at ORR perimeter air monitoring stations, 1997 .....	5-6
5.3	Uranium concentrations in ambient air on the ORR .....	5-7
5.4	Uranium mass in ambient air at the Y-12 Plant, 1997 .....	5-9
5.5	Results of the Y-12 Plant ambient air mercury monitoring program .....	5-11
5.6	Radionuclide concentrations measured at ORNL perimeter air monitoring stations, 1997 ( $\mu\text{Ci/mL}$ ) .....	5-14
5.7	Summary of collection and analysis frequencies of samples collected at ETTP perimeter ambient air monitoring stations, 1997 .....	5-16
5.8	PM10 particulates in ambient air at the ETTP, 1997 .....	5-17
5.9	Lead concentrations in ambient air at the ETTP, 1997 .....	5-18
5.10	HAP carcinogen metals in ambient air at the ETTP, 1997 .....	5-19
5.11	Uranium in ambient air at the ETTP, 1997 .....	5-19
5.12	Surface water sampling locations, frequencies, and parameters .....	5-22
5.13	Surface water surveillance measurements exceeding Tennessee water quality criteria at the Y-12 Plant, 1997 .....	5-25
5.14	1997 analyses of ORNL background surface waters .....	5-26
5.15	1997 radionuclide concentrations in background surface waters above ORNL .....	5-28
5.16	1997 results of Y-12 Plant sediment monitoring .....	5-31
5.17	Significant concentrations of radionuclides in hay from the ORR, 1997 .....	5-32
5.18	Radiological constituents in tomatoes and lettuce at sites near the ORR, 1997 .....	5-33
5.19	Concentrations of radionuclides detected in raw milk, 1997 .....	5-34
6.1	Emission point parameters and receptor locations used in the dose calculations .....	6-3
6.2	Calculated radiation doses to maximally exposed off-site individuals from airborne releases during 1997 .....	6-5
6.3	Calculated collective EDEs from airborne releases during 1997 .....	6-5

## Oak Ridge Reservation

---

6.4	Summary of maximum individual EDEs (mrem) from waterborne radionuclides .....	6-10
6.5	Average EDEs from ingesting vegetables grown at ORR ambient air monitoring stations, 1997 .....	6-11
6.6	1997 total dose rate for aquatic organisms (rad/day) .....	6-15
6.7	Summary of maximum potential radiation dose equivalents to an adult during 1997 at locations of the maximum exposures .....	6-16
6.8	Trends in total effective dose equivalent for selected pathways .....	6-17
6.9	Chemical reference doses and slope factors used in drinking water and fish intake analysis .....	6-19
6.10	1997 chemical hazard quotients for drinking water .....	6-21
6.11	1997 chemical hazard quotients (HQs) for metals and estimated dose/chronic daily intake (I/CDIs) for carcinogens in fish .....	6-22
7.1	Summary of the comprehensive groundwater monitoring program at the Y-12 Plant, 1997 .....	7-11
7.2	Regulatory status and operational history of waste management units and underground storage tanks included in the 1997 Comprehensive Groundwater Monitoring Program; Upper East Fork Poplar Creek Hydrogeologic Regime .....	7-13
7.3	Regulatory status and operational history of waste management units included in the 1997 Comprehensive Groundwater Monitoring Program; Bear Creek Hydrogeologic Regime .....	7-24
7.4	Regulatory status and operational history of waste management units included in the 1997 Comprehensive Groundwater Monitoring Program; Chestnut Ridge Hydrogeologic Regime .....	7-31
7.5	Summary of the groundwater surveillance program at ORNL, 1997 .....	7-37
7.6	Summary of the plant perimeter surveillance program at ORNL, 1997 .....	7-40
8.1	QA/QC results for the Oak Ridge Reservation, 1997 .....	8-3
A.1	Radionuclide nomenclature .....	A-4
A.2	Comparison and description of various dose levels .....	A-10
C.1	Air permits at the Y-12 Plant .....	C-3

C.2	ORNL air permits .....	C-10
C.3	ETTP air permits .....	C-11
C.4	Periods of excess emissions and out-of-service conditions for Y-12 Plant Steam Plant east and west opacity monitors in 1997 .....	C-12
D.1	Reference standards for radionuclides in water (pCi/L) .....	D-3
D.2	Reference standards for chemicals and metals in water .....	D-4
D.3	1997 surface water analyses at ORR surface water locations .....	D-8
E.1	Underground storage tanks (USTs) at the Y-12 Plant .....	E-3
E.2	Underground storage tanks (USTs) at the ETTP .....	E-7
E.3	Underground storage tanks (USTs) at ORNL .....	E-9
F.1	Summary of Y-12 Plant NPDES excursions, 1997 .....	F-3
F.2	Summary of ORNL NPDES excursions, 1997 .....	F-5
F.3	Summary of ETTP NPDES excursions, 1997 .....	F-11

## ACRONYMS AND ABBREVIATIONS

1STCK	First Creek kilometer
ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
ALARA	as low as reasonably achievable
AM	action memorandum
AMSE	American Museum of Science and Energy
ANSI	American National Standards Institute
AOC	Area of Concern
ARAP	Aquatic Resources Alteration Permit
ARAR	applicable or relevant and appropriate requirement
ASER	Annual Site Environmental Report
ASO	Analytical Services Organization
AVLIS	Atomic Vapor Laser Isotope Separation
BCK	Bear Creek kilometer
BCV	Bear Creek Valley
BMAP	Biological Monitoring and Abatement Program
BMP	best management practice
BNFL	British Nuclear Fuels Limited
BoP	balance of plant
BOD	biological oxygen demand
CA	characterization area
CAA	Clean Air Act
CBOD	carbonaceous biochemical oxygen demand
CCS	chlorine control strategy
CDI	chronic daily intake
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFC	chlorofluorocarbon
CLP	Contract Laboratory Program
CMC	criterion maximum concentration
CMTS	Central Mercury Treatment System
CNF	Central Neutralization Facility
COE	(U.S. Army) Corps of Engineers
CPCF	Central Pollution Control Facility
CRADA	cooperative research and development agreement
CRK	Clinch River kilometer
CRMP	cultural resource management plan
CROET	Community Reuse Organization of East Tennessee
CWA	Clean Water Act
CWM	Center for Waste Management
CWSA	Containerized Waste Storage Area

## Oak Ridge Reservation

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CX	categorical exclusion
CY	calendar year
CYRTF	Coal Yard Runoff Treatment Facility
1,2 DCE	1,2 dichloroethene
DAC	derived air concentration
DCF	dose conversion factor
DCG	derived concentration guide
DEAR	Department of Energy Acquisition Regulations
D&D	decontamination and decommissioning
DEUSS	Discharge of Enriched Uranium to the Sanitary Sewer
DNAPL	dense nonaqueous phase liquid
DNFSB	Defense Nuclear Facilities Safety Board
DOE	U.S. Department of Energy
DOE-HQ	U.S. Department of Energy Headquarters
DOE-ORO	U.S. Department of Energy Oak Ridge Operations Office
DP	(Office of) Defense Programs
dps	disintegrations per second
DWS	drinking water standard
EA	environmental assessment
EDE	effective dose equivalent
EEMTF	East End Mercury Treatment Facility
EESSMS	East End Sanitary Sewer Monitoring Station
EFK	East Fork Poplar Creek kilometer
EFPC	East Fork Poplar Creek
EIS	environmental impact statement
ELPAT	Environmental Lead Proficiency Analytical Testing Program
EM	(Office of) Environmental Restoration and Waste Management
EM	environmental management
ELPAT	Environmental Lead Proficiency Analytical Testing Program
EMEF	Environmental Management and Enrichment Facilities
EML	Environmental Measurements Laboratory
EMP	environmental monitoring plan
EPA	U.S. Environmental Protection Agency
EPA-HQ	U.S. Environmental Protection Agency Headquarters
EPCRA	Emergency Planning and Community Right-To-Know Act
EPT	Ephemeroptera, Plecoptera, and Trichoptera (taxa)
ER	environmental restoration
ESD	Environmental Sciences Division (ORNL)
ES&H	environment, safety, and health
ETTP	East Tennessee Technology Park
EUWG	Oak Ridge End Use Working Group
FDA	U.S. Food and Drug Administration
FFA	Federal Facility Agreement
FFCA	federal facilities compliance agreement
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act

FIFTHCK	Fifth Creek kilometer
FS	feasibility study
FONSI	finding of no significant impact
FY	fiscal year
GAAT	Gunite and Associated Tanks
GCK	Grassy Creek kilometer
GMO	General Manufacturing Organization (Y-12 Plant)
GWPP	Groundwater Protection Program
GWPS	groundwater protection standard
GWTF	groundwater treatment facility
Gy	gray
HAP	hazardous air pollutant
HC	Hinds Creek sampling station
HEPA	high-efficiency particulate air (filter)
HFIR	High Flux Isotope Reactor
HiVal	High Investment Value
HQ	hazard quotient
HS	hazardous substance
HSWA	Hazardous and Solid Waste Amendments (1984)
HV	high-volume
HVAC	heating, ventilating, and air-conditioning
I	intake
I/CDI	intake (estimated dose)/chronic daily intake
ICK	Ish Creek kilometer
ICP	inductively coupled plasma
ICP-MS	inductively coupled plasma mass spectrometry
ICRP	International Commission on Radiological Protection
ID	identification
IHgTU	Interim Mercury Treatment Unit
INEEL	Idaho National Engineering and Environmental Laboratory
IRIS	Integrated Risk Information System
ISMS	Integrated Safety Management System
IWC	instream waste concentration
IWMF	Interim Waste Management Facility
IWQP	Integrated Water Quality Program
JTU	Jackson turbidity unit
LC <sub>50</sub>	effluent concentration lethal to 50% of test organisms
LDR	land disposal restriction
LEFPC	Lower East Fork Poplar Creek
LLC	limited liability company
LLLW	liquid low-level (radioactive) waste
LLW	low-level (radioactive) waste
LMER	Lockheed Martin Energy Research Corporation

## Oak Ridge Reservation

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LMES	Lockheed Martin Energy Systems
LRSPW	Lake Reality Spillway
LWBR	Lower Watts Bar Reservoir
MACT	maximum achievable control technology
MAP	Management Action Process
MAPEP	Mixed Analyte Performance Evaluation Program
MCCBK	McCoy Branch kilometer
MCL	maximum contaminant level
MEK	Melton Branch kilometer
Mgd	million gallons per day
M&I	management and integration
MIK	Mitchell Branch kilometer
MMES	Martin Marietta Energy Systems, Inc.
M&O	management and operating
MSDS	material safety data sheet
MSRE	Molten Salt Reactor Experiment
NEPA	National Environmental Policy Act
NERL-LV	National Exposure Research Laboratory at Las Vegas
NESHAP	National Emission Standards for Hazardous Air Pollutants
NFCS	Nationwide Food Consumption Survey
NHPA	National Historic Preservation Act
NIST	National Institute of Standards and Technology
NOAA	National Oceanic and Atmospheric Administration
NOD	notice of deficiency
NOEC	no-observed-effect concentration
NOEL	no-observed-effect level
NOMAD	tradename; not an acronym
NOV	notice of violation
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRWTF	Nonradiological Wastewater Treatment Facility
NTU	nephelometric turbidity unit
NWTK	Northwest Tributary kilometer
OHF	Old Hydrofracture Facility
ORAU	Oak Ridge Associated Universities
ORCMT	Oak Ridge Centers for Manufacturing Technology
OREIS	Oak Ridge Environmental Information System
ORGDP	Oak Ridge Gaseous Diffusion Plant
ORISE	Oak Ridge Institute for Science and Education
ORNL	Oak Ridge National Laboratory
ORR	Oak Ridge Reservation
ORR-PCB-FFCA	Oak Ridge Reservation Polychlorinated Biphenyl Federal Facilities Compliance Agreement
OU	operable unit

PAM	perimeter air monitoring (station)
PA/SI	preliminary assessment/site investigation
PCB	polychlorinated biphenyl
PCE	perchloroethene
PCK	Poplar Creek kilometer
PIDAS	Perimeter Intrusion Detection Assessment System
PIF	Partners in Flight
PM10	particulate matter less than 10 microns in diameter
POTW	publicly owned treatment works
ppm	parts per million
PWMP	Pond Waste Management Project
QA	quality assurance
QA/QC	quality assurance/quality control
QC	quality control
rad	radiation absorbed dose
Rad-NESHAP	Radionuclide National Emission Standards for Hazardous Air Pollutants
RAM	remote air monitoring (station)
RCK	Raccoon Creek kilometer
RCRA	Resource Conservation and Recovery Act
RCW	recirculating cooling water
R&D	research and development
REDC	Radionuclide Engineering Development Center
rem	roentgen equivalent man
RER	Remediation Effectiveness Report
RFA	RCRA Facility Assessment
RfD	reference dose
RI	remedial investigation
RI/FS	remedial investigation/feasibility study
RMP	Radiological Monitoring Plan
RMPE	Reduction of Mercury in Plant Effluent
ROD	record of decision
ROI	return on investment
RQ	reportable quantity
RTCS	Radioactive Tank Cleaning System
S&A	sampling and analysis
SARA	Superfund Amendments and Reauthorization Act
SDWA	Safe Drinking Water Act
SF	slope factor
SHPO	state historic preservation officer
SI	International System of units (metric system)
S&M	surveillance and maintenance
SMCL	secondary maximum contaminant level
SMO	Sample Management Office
SNS	Spallation Neutron Source
SOP	standard operating procedure

## Oak Ridge Reservation

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SPCC	Spill Prevention Control and Countermeasures Plan
SPMD	semipermeable membrane device
S/RIDs	Standards/Requirements Identification Documents
SSAB	Site-Specific Advisory Board
SSSR	Site-Specific Standard Request
ST	strong-tight
STP	Sewage Treatment Plant
SWDF	solid waste disposal facility
SWHISS	Surface Water Hydrological Information Support System
SWM	solid waste management
SWMU	solid waste management unit
SWPP	Storm Water Pollution Prevention
SWSA	solid waste storage area
Sv	sievert
T&E	threatened and endangered
TCE	trichloroethene
TDECD	Tennessee Department of Economic and Community Development
TCLP	toxicity characteristic leaching procedure
TCMP	Toxicity Control and Monitoring Program
TDEC	Tennessee Department of Environment and Conservation
TDECD	Tennessee Department of Economic and Community Development
TDEC/DOE-O	Tennessee Department of Environment and Conservation/DOE Oversight Division
TEMA	Tennessee Emergency Management Agency
TN	Tennessee
TN-WQC	Tennessee Water Quality Criteria
TOA	Tennessee Oversight Agreement
TOC	total organic carbon
TOX	total organic halides
TPF	Transuranic Processing Facility
TPH	total petroleum hydrocarbons
TRC	total residual chlorine
TRI	Toxic Release Inventory
TRK	Tennessee River kilometer
TRO	total residual oxidant
TRU	transuranic
TSCA	Toxic Substances Control Act
TSD	treatment, storage, and disposal
TSP	total suspended particulates
TSS	total suspended solids
TVA	Tennessee Valley Authority
TVS	transportable vitrification system
TWQC	Tennessee General Water Quality Criteria
TWRA	Tennessee Wildlife Resources Agency

UEFPC	Upper East Fork Poplar Creek
UE-PCB-FFCA	Uranium Enrichment Polychlorinated Biphenyl Federal Facilities Compliance Agreement
UE-TSCA-FFCA	Uranium Enrichment Toxic Substances Control Act Federal Facilities Compliance Agreement
UIC	Underground Injection Control
UST	underground storage tank
UV	ultraviolet
VDRIF	Variable Dose Rate Irradiation Facility
VEE	visible emissions evaluation
VOC	volatile organic compound
WAG	waste area grouping
WBK	Walker Branch kilometer
WCK	White Oak Creek kilometer
WETF	West End Treatment Facility
WFPC	West Fork Poplar Creek
WIPP	Waste Isolation Pilot Plant
WMP	waste management program
WMRAD	Waste Management and Remedial Action Division (ORNL)
WOC	White Oak Creek
WOD	White Oak Dam
WOL	White Oak Lake
WQC	water quality criteria
WQS	water quality standard
WSS	work smart standards
Y-12 Plant	the Oak Ridge Y-12 Plant
YOY	young of the year

## Acknowledgments

The authors wish to recognize those who participated in the publication of the annual site environmental report for this year. Although we cannot name everyone, we would like to mention a few names in particular.

Mike Ambrose  
Joseph Birchfield  
Don Bohrman  
Terry Bonine  
Mark Burris  
Stephanie Byrge  
Wayne Carlton  
Patty Cox  
David Cunningham  
Nancy Dailey  
Karen Downer  
Jim Eaton  
Chuck Estes  
Ron Evans  
Joan Gideon  
Jan Gilbert  
Jim Grimes  
James Hall

Tony Hart  
Clarence Hill  
J. G. Hill  
Roxanna Hinzman  
Ed Ingram  
Robert Johnson  
Katy Kates  
Frank Kornegay  
Cheryl LaBorde  
Jim Loar  
Sandi Lyttle  
Cathy McCoy  
John Murphy  
Pat Parr  
Mark Peterson  
Sheila Poligone  
Tony Poole  
Stacey Rathke

Jim Rogers  
Paul Rohwer  
Kyle Rutherford  
Ernest Ryan  
Melinda Salmons  
Ron Sharp  
Roy Sheely  
Iris Shelton  
Johnny Skinner  
Paul Torrent  
Charlie Valentine  
Lenny Vaughn  
Jennifer Webb  
J. Warren Webb  
Mick Wiest  
Joe Wolfe  
Donnella Yelvington