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**Oak Ridge Reservation Annual Site
Environmental Report for 1996**

on the World Wide Web
http://www.ornl.gov/Env_Rpt/aser96/aser.htm

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Date published: October 1997

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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

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ACRONYMS AND ABBREVIATIONS

ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
ALARA	as low as reasonably achievable
AOC	area of contamination
ARAP	Aquatic Resources Alteration Permit
ARAR	applicable or relevant and appropriate requirement
ASER	Annual Site Environmental Report
AVLIS	Atomic Vapor Laser Isotope Separation
BCK	Bear Creek kilometer
BCV	Bear Creek Valley
BMAP	Biological Monitoring and Abatement Program
BMP	best management practice
BOD	biological oxygen demand
CA	characterization area
CAA	Clean Air Act
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
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
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
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

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DOE-HQ	U.S. Department of Energy Headquarters
DOE-ORO	U.S. Department of Energy Oak Ridge Operations Office
dps	disintegrations per second
DUST	Division of Underground Storage Tanks
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
EM	environmental management
ELPAT	Environmental Lead Proficiency Analytical Testing Program
EMEF	Environmental Management and Enrichment Facilities
EML	Environmental Measurements Laboratory
EMP	<i>Environmental Monitoring Plan for the Oak Ridge Reservation</i>
EPA	U.S. Environmental Protection Agency
EPA-HQ	U.S. Environmental Protection Agency Headquarters
EPCRA	Emergency Planning and Community Right-To-Know Act
ER	environmental restoration
ESD	Environmental Sciences Division (ORNL)
ES&H	environment, safety, and health
ETTP	East Tennessee Technology Park
FDA	U.S. Food and Drug Administration
FFA	federal facilities agreement
FFCA	federal facilities compliance agreement
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FONSI	finding of no significant impact
FY	fiscal year
GAAT	Gunite and Associate Tanks
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
HSWA	Hazardous and Solid Waste Amendments to RCRA (1984)
HV	high-volume
HVAC	heating, ventilating, and air-conditioning

I	intake
I/CDI	intake (estimated dose)/chronic daily intake
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
IWC	instream waste concentration
IWMF	Interim Waste Management Facility
IWQP	Integrated Water Quality Program
JTU	Jackson turbidity unit
LC ₅₀	effluent concentration lethal to 50% of test organisms
LDR	land disposal restriction
LLLW	liquid low-level (radioactive) waste
LLW	low-level (radioactive) waste
LMER	Lockheed Martin Energy Research Corporation
LMES	Lockheed Martin Energy Systems
MACT	maximum achievable control technology
MAP	Management Action Process
MAPEP	Mixed Analyte Performance Evaluation Program
MCL	maximum contaminant level
MEK	Melton Branch kilometer
Mgd	million gallons per day
MIK	Mitchell Branch kilometer
MMES	Martin Marietta Energy Systems, Inc.
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

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NRWTF	Nonradiological Wastewater Treatment Facility
NTU	nephelometric turbidity unit
OHF	Old Hydrofracture Facility
ORAU	Oak Ridge Associated Universities
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
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)
REDC	Radionuclide Engineering Development Center
rem	roentgen equivalent man
RCRA	Resource Conservation and Recovery Act
RCW	recirculating cooling water
R&D	research and development
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

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)
SMCL	secondary maximum contaminant level
SMO	Sample Management Office
SOP	standard operating procedure
SPCC	Spill Prevention Control and Countermeasures Plan
SPMD	semipermeable membrane device
S/RIDs	Standards/Requirements Identification Documents
ST	strong-tight
STP	Site Treatment Plan/Sewage Treatment Plant
SSSR	Site Specific Standard Request
SWDF	solid waste disposal facility
SWHIS	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
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
TRK	Tennessee River kilometer
TRU	transuranic
TSCA	Toxic Substances Control Act
TSD	treatment, storage, and disposal
TSP	total suspended particulates
TSS	total suspended solids
TVA	Tennessee Valley Authority
TWQC	Tennessee General Water Quality Criteria
TWRA	Tennessee Wildlife Resources Agency

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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
WCK	White Oak Creek kilometer
WETF	West End Treatment Facility
WFPC	West Fork Poplar Creek
WIPP	Waste Isolation Pilot Plant
WMP	waste management program
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

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.

Bill Alexander
Don Bohrman
Terry Bonine
Mark Burris
Stephanie Byrge
Wayne Carlton
David Cunningham
Jim Eaton
Ron Evans
Henry Fellers
Joan Gideon
Jan Gilbert
Jim Grimes
James Hall
Clarence Hill

J. G. Hill
Roxanna Hinzman
Wade Hollinger
Ed Ingram
Mona Johnson
Robert Johnson
Sandi Lyttle
Cathy McCoy
Susan Michaud
Pat Parr
Mark Peterson
Sheila Poligone
Tony Poole
Stacey Rathke

Rob Rich
Kyle Rutherford
Ernest Ryan
Melinda Salmons
Crystal Schrof
Ron Sharp
Johnny Skinner
Charlie Valentine
Lenny Vaughn
Jennifer Webb
J. Warren Webb
Mick Wiest
Joe Wolfe
Gary Worley