

NOTATION

The following is a list of acronyms and abbreviations, chemical names, and units of measure used in this document. Some acronyms used only in tables may be defined only in those tables.

GENERAL ACRONYMS AND ABBREVIATIONS

AEA	Atomic Energy Act of 1954
AEC	U.S. Atomic Energy Commission
AIHA	American Industrial Hygiene Association
ALARA	as low as reasonably achievable
ANL	Argonne National Laboratory
ANP	Advanced Nuclear Power (Framatone ANP, Inc.)
ANSI	American National Standards Institute
AQCR	Air Quality Control Region
BLS	Bureau of Labor Statistics
CAA	Clean Air Act
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR	<i>Code of Federal Regulations</i>
CRMP	cultural resource management plan
CWA	Clean Water Act
D&D	decontamination and decommissioning
DCG	derived concentration guide
DNFSB	Defense Nuclear Facilities Safety Board
DNL	day-night average sound level
DOE	U.S. Department of Energy
DOT	U.S. Department of Transportation
DU	depleted uranium
DUF ₆	depleted uranium hexafluoride
EA	environmental assessment
EBE	evaluation basis earthquake
EIS	environmental impact statement
EM	Office of Environmental Management (DOE)
EPA	U.S. Environmental Protection Agency
ERDA	Energy Research and Development Administration
ERPG	Emergency Response Planning Guideline
ETTP	East Tennessee Technology Park (formerly K-25 site)

FONSI	Finding of No Significant Impact
FR	<i>Federal Register</i>
FTE	full-time equivalent
FY	fiscal year
GDP	gaseous diffusion plant
GIS	geographic information system
HEPA	high-efficiency particulate air
HMMH	Harris Miller Miller & Hanson, Inc.
HMR	hazardous materials regulation
HMTA	Hazardous Materials Transportation Act
ICRP	International Commission on Radiological Protection
IHE	irreversible health effect
ISC	Industrial Source Complex
KPDES	Kentucky Pollutant Discharge Elimination System
KOW	Kentucky Ordnance Works
LCF	latent cancer fatality
L _{eq}	equivalent steady sound level
LLMW	low-level radioactive mixed waste
LLW	low-level radioactive waste
LMES	Lockheed Martin Energy Systems, Inc.
MCL	maximum concentration limit
MEI	maximally exposed individual
MMES	Martin Marietta Energy Systems, Inc.
MOA	memorandum of agreement
NAAQS	National Ambient Air Quality Standard(s)
NCRP	National Council on Radiation Protection and Measurements
NEPA	National Environmental Policy Act of 1969
NESHAPs	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
non-DUF ₆	non-depleted uranium hexafluoride
NOV	Notice of Violation
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRC	U.S. Nuclear Regulatory Commission
NRHP	<i>National Register of Historic Places</i>
NTS	Nevada Test Site
OEPA	Ohio Environmental Protection Agency
OIG	Office of Inspector General (DOE)

ORNL	Oak Ridge National Laboratory
ORR	Oak Ridge Reservation
OSHA	Occupational Safety and Health Administration
PA	preliminary assessment
PEA	programmatic environmental assessment
PEIS	programmatic environmental impact statement
PEL	permissible exposure limit
P.L.	Public Law
PM	particulate matter
PM ₁₀	particulate matter with a mean aerodynamic diameter of 10 μm or less
PM _{2.5}	particulate matter with a mean aerodynamic diameter of 2.5 μm or less
PSD	prevention of significant deterioration
R&D	research and development
RCRA	Resource Conservation and Recovery Act
RFP	Request for Proposal(s)
ROD	Record of Decision
ROI	region of influence
SAAQS	State Ambient Air Quality Standard(s)
SAR	safety analysis report
SHPO	State Historic Preservation Officer
SWMU	solid waste management unit
TDEC	Tennessee Department of Environment and Conservation
TEDE	total effective dose equivalent
TLD	thermoluminescence dosimeter
TRU	transuranic(s)
TSCA	Toxic Substances Control Act
TVA	Tennessee Valley Authority
UDS	Uranium Disposition Services, LLC
USACE	U.S. Army Corps of Engineers
USC	<i>United States Code</i>
USDA	U.S. Department of Agriculture
USEC	United States Enrichment Corporation
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VOC	volatile organic compound
WM PEIS	Waste Management Programmatic Environmental Impact Statement

CHEMICALS

Am	americium
CaF ₂	calcium fluoride
Co	cobalt
CO	carbon monoxide
H ₂	hydrogen
HF	hydrogen fluoride (slag); hydrofluoric acid
H ₂ O	water
H ₂ S	hydrogen sulfide
KF	potassium fluoride
KOH	potassium hydroxide
kPa	kilopascal(s)
NH ₃	ammonia
NO	nitrogen oxide
NO ₂	nitrogen dioxide
NO _x	nitrogen oxides
Np	neptunium
O ₃	ozone
PAH	polycyclic aromatic hydrocarbon
Pb	lead
PCB	polychlorinated biphenyl
Pu	plutonium
SO ₂	sulfur dioxide
SO _x	sulfur oxides
Tc	technetium
TCE	trichloroethylene
U	uranium
UF ₄	uranium tetrafluoride
UF ₆	uranium hexafluoride
UO ₂	uranium dioxide
UO ₃	uranium trioxide
UO ₂ F ₂	uranyl fluoride
U ₃ O ₈	triuranium octaoxide

UNITS OF MEASURE

°C	degree(s) Celsius	mi ²	square mile(s)
Ci	curie(s)	min	minute(s)
cm	centimeter(s)	mL	milliliter(s)
		mph	mile(s) per hour
d	day(s)	mR	milliroentgen(s)
dB	decibel(s)	mrem	millirem(s)
dB(A)	A-weighted decibel(s)	mSv	millisievert(s)
		MVA	megavolt-ampere(s)
°F	degree(s) Fahrenheit	MW	megawatt(s)
ft	foot (feet)	MWh	megawatt-hour(s)
ft ²	square foot (feet)		
ft ³	cubic foot (feet)	nCi	nanocurie(s)
g	gram(s)	oz	ounce(s)
gal	gallon(s)		
		pCi	picocurie(s)
h	hour(s)	ppb	part(s) per billion
ha	hectare(s)	ppm	part(s) per million
		psia	pound(s) per square inch absolute
in.	inch(es)	psig	pound(s) per square inch gauge
in. ²	square inch(es)		
		rem	roentgen equivalent man
kg	kilogram(s)		
km	kilometer(s)	s	second(s)
km ²	square kilometer(s)	Sv	sievert(s)
kPa	kilopascal(s)		
		t	metric ton(s)
L	liter(s)	ton(s)	short ton(s)
lb	pound(s)		
		wt%	percent by weight
m	meter(s)		
m ²	square meter(s)	yd ³	cubic yard(s)
m ³	cubic meter(s)	yr	year(s)
MeV	million electron volts		
mg	milligram(s)	μg	microgram(s)
mi	mile(s)	μm	micrometer(s)

ENGLISH/METRIC AND METRIC/ENGLISH EQUIVALENTS

Multiply	By	To Obtain
<i>English/Metric Equivalents</i>		
acres	0.4047	hectares (ha)
cubic feet (ft ³)	0.02832	cubic meters (m ³)
cubic yards (yd ³)	0.7646	cubic meters (m ³)
degrees Fahrenheit (°F) -32	0.5555	degrees Celsius (°C)
feet (ft)	0.3048	meters (m)
gallons (gal)	3.785	liters (L)
gallons (gal)	0.003785	cubic meters (m ³)
inches (in.)	2.540	centimeters (cm)
miles (mi)	1.609	kilometers (km)
pounds (lb)	0.4536	kilograms (kg)
short tons (tons)	907.2	kilograms (kg)
short tons (tons)	0.9072	metric tons (t)
square feet (ft ²)	0.09290	square meters (m ²)
square yards (yd ²)	0.8361	square meters (m ²)
square miles (mi ²)	2.590	square kilometers (km ²)
yards (yd)	0.9144	meters (m)
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<i>Metric/English Equivalents</i>		
centimeters (cm)	0.3937	inches (in.)
cubic meters (m ³)	35.31	cubic feet (ft ³)
cubic meters (m ³)	1.308	cubic yards (yd ³)
cubic meters (m ³)	264.2	gallons (gal)
degrees Celsius (°C) +17.78	1.8	degrees Fahrenheit (°F)
hectares (ha)	2.471	acres
kilograms (kg)	2.205	pounds (lb)
kilograms (kg)	0.001102	short tons (tons)
kilometers (km)	0.6214	miles (mi)
liters (L)	0.2642	gallons (gal)
meters (m)	3.281	feet (ft)
meters (m)	1.094	yards (yd)
metric tons (t)	1.102	short tons (tons)
square kilometers (km ²)	0.3861	square miles (mi ²)
square meters (m ²)	10.76	square feet (ft ²)
square meters (m ²)	1.196	square yards (yd ²)