

Appendix U

Acronyms

A

ADAM	Air Force Dispersion Assessment Model
AEGL	Acute Exposure Guideline Limit
AFTOX	Air Force TOXic Chemical Model
AHG/MME	Ad Hoc Group/Mobile Meteorological Equipment
ALOHA	Areal Locations of Hazardous Atmospheres
APAC	Accident Phenomenology And Consequences
ARAC	Atmospheric Release Advisory Capability
ARCON	Atmospheric Relative CONcentrations
AREAEVAC	Area Evacuation
ASTRAP	Advanced Statistical Trajectory Reg. Air Pollution

B

BIO	Basis for Interim Operation
BLEVE	Boiling Liquid Expanding Vapor Explosions
BNLGPM	Brookhaven National Laboratory Gaussian Diffusion Model

C

CALPUFF	CALifornia PUFF Model
CAP88-PC	Clean Air Act Assessment Package 1988- Personal Computer
CASRAM	Chemical Accident Stochastic Risk Assessment Model
CATS	Consequence Assessment Tool Set
CCSL	Canopy flow Coupled to Surface Layer
COSYMA	COntsequence SYstem from MAria
COTS	Commercial Off-The-Shelf
CTDM	Complex Terrain Dispersion Model

D

DEGADIS	DEnse GAs DISpersion
DMCC	DOE Meteorological Coordinating Council
DOE	Department of Energy

E

EA	Environmental Assessment
EDMS	Emission and Dispersion Modeling System
EIS	Environmental Impact Statement
ERAD	Explosive Release Atmospheric Dispersion
ERPG	Emergency Response Planning Guide

ETD Education and Training Division
ETMOD Environmental Tritium MODel

F

F-N Frequency-Normal

G

GIS Geographic Information System

H

HARM Hazardous Atmospheric Release Model
HE High Explosives
HGSYSTEM Heavy Gas SYSTEM
HOTMAC/
RAPTAD Higher Order Turbulence Modeling Atmospheric
Conditions/RAndom Puff Transport And Diffusion
HPS Hazard Prediction System
HRW High Resolution Windfield
HYSPLIT Hybrid Single-Particle Lagrangian Integrated Trajectory

I

ICRP International Council on Radiation Protection
IDLH Immediately Dangerous to Life and Health
ISC Industrial Source Complex Dispersion Model

J

JCO Justification for Continuing Operation

K

KBERT Knowledge-Based Software for Estimating Radioactive and Toxic
Material Releases

L

LFL Lower Flammability Limit
LPDM Lagrangian Particle Dispersion Model

M

MACCS	MELCOR Accident Consequence Code System
MAILS	Multiple Aircraft Instantaneous Line Source
MARSS	Meteorological And Range Safety Support System
MATHEW-ADPIC	Mass-Adjusted THrEe-dimensional Windfield-ADvection Particle In Cell
MESOPUFF	Mesoscale Puff Model

N

NEPA	National Environmental Policy Act
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O

OFCEM	Office of the Federal Coordinator for Meteorology
OMEGA/ADM	Operational Multiscale Environment model with Grid Adaptivity/Atmospheric Dispersion Model
ORISE	Oak Ridge Institute for Science and Education

P

PGEMS	Pacific Gas and Electric Modeling System
PIC	Particle In Cell

Q

R

RAC	Reactor Accident Code
RADM	Regional Acid Deposition Model
RADTRAD	Radionuclide Transport, Removal, and Dose Model
RAMS	Regional Atmospheric Modeling System
RASCAL	Radiological Assessment System for Consequence Analysis
RATCHET	Regional Atmospheric Transport Code for Hanford Emission Tracking
REEDM	Rocket Exhaust Effluent Diffusion Model
ROM	Regional Oxidant Model
RSAC	Radiological Safety Analysis Computer Program
RTVSM	Real Time Volume Source Model

S

SAR	Safety Analysis Report
SCAPA	Subcommittee for Consequence Assessment and Protective Actions
SCIPUFF	Second-order Closure Integrated PUFF
SDM	Shoreline Dispersion Model
STEL	Short Term Exposure Limit
SUDU	Siemens Unified Dose Utility

T

TBD	Technical Basis Document
TEDE	Total Effective Dose Equivalent
TEEL	Temporary Emergency Exposure Limit
TIBL	Thermally Induced Boundary Layer
TKE	Turbulent Kinetic Energy
TLV	Threshold Limit Value
TOXST	Toxics Modeling System Short Term
TRAC RA/HA	Terrain Responsive Atmospheric Code Risk Assessment/Hazard Assessment
TWA	Time Weighted Average

U

UAM	Urban Airshed Model
UFL	Upper Flammability Limit

V

VAFTAD	Volcanic Ash Forecast Transport And Diffusion
VDI	Verein Deutscher Ingenieure
VLSTRACK	Vapor Liquid and Solid Tracking

W

WADOCT	Wind And Diffusion Over Complex Terrain
WHO	World Health Organization

XYZ

2DPUF	Two-Dimensional Puff Model
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