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Volume 3
Community-Scale Assessment

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ACRONYM LIST

APPENDICES

Appendix A Case Studies

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Appendix C Emissions Inventory Database Structure Used in the RAIMI Process

Appendix D Glossary

Acronym List

ADEQ	Arizona Department of Environmental Quality
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
AFS	Air Facility System
AHERA	Asbestos Hazard Emergency Response Act
AIR2GIS	Software tool for preparing source-specific ISCST3 output files for import into Risk-MAP; part of RAIMI
AIRS	Aerometric Information Retrieval System
AMP	Air Modeling Preprocessor
AMS	Area and Mobile System
ASPEN	Assessment System for Population Exposure Nationwide
ASTDR	Agency for Toxics Substances and Disease Registry
ATRA	Air Toxics Risk Assessment
BAT	Best available technology
BEIS3	Biogenic Emissions Inventory System
BTU/SCF	British thermal units per standard cubic foot
CAA	Clean Air Act
CAC	Community Action Council
CAL3QHC	CALINE-based model with queuing and hot spot calculations
CALINE	Line source steady-state Gaussian dispersion model developed by California Department of Transportation
CalPUFF	Lagrangian puff dispersion model
CARE	Community Action for a Renewed Environment
CAS	Chemical Abstracts Service
CASRN	Chemical Abstracts Service Registry Number
CBEP	Community-Based Environmental Protection
CCACC	Cleveland Clean Air Century Campaign
CCAG	Chelsea Creek Action Group
CDC	Centers for Disease Control and Prevention
CEP	Community Environmental Partnership
CEP	Cumulative Exposure Project
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act (Superfund)
CERCLIS	Comprehensive Environmental Response, Compensation, Liability Information System
CHIEF	Clearing House for Inventories and Emission Factors
CMAQ-AT	Community Multiscale Air Quality model (Air Toxics)
CMSD	Cleveland Municipal School District
CMV	Commercial marine vessel
COPC	Chemical of potential concern
CRA	Comparative risk analysis
CRARM	Congressional Commission on Risk Assessment and Risk Management
CWA	Clean Water Act
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane

DE	Diesel engine
DEOG	Diesel exhaust organic gases
DOQQ	Digital ortho quarter quad
DPM	Diesel particulate matter
DQO	Data quality objective
EC	Exposure concentration
ECHO	Enforcement and Compliance History Online
EGBE	Ethylene glycol butyl ether
EHP	Environmental Health Perspectives
EJ	Environmental justice
EJP2	Environmental Justice through Pollution Prevention
EMS-HAP	Emissions Modeling System for Hazardous Air Pollutants
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-To-Know Act
FERA	Fate, Exposure, and Risk Analysis
GACT	Generally available control technology
GIS	Geographic information system
HAP	Hazardous air pollutant
HAPEM	Hazardous Air Pollutant Exposure Model
HARP	Hotspots Analysis Reporting Program
HEM	Human Exposure Model
HEM-Screen	Human Exposure Model - Screen
HHRAP	Human Health Risk Assessment Protocol
HHW	Household hazardous waste
HI	Hazard index
HPV	High production volume
HQ	Hazard quotient
IAQ	Indoor air quality
IPM	Integrated Pest Management
IRIS	Integrated Risk Information System
ISC	Industrial Source Complex
ISC-Batch	Industrial Source Complex Batch
ISCST3	Industrial Source Complex Short-Term 3
IUR	Inhalation unit risk estimate
IUR	Inventory update rule
IWG	Federal Interagency Working Group on Environmental Justice
LCBO	Local community-based organization
LRTAP	Long-range transboundary air pollution
MACT	Maximum achievable control technology
MEI	Maximum exposed individual
MIR	Maximum individual risk
MSAT	Mobile source air toxics
MTBE	Methyl tertiary butyl ether
MWC	Municipal waste combustor
NAAQS	National Ambient Air Quality Standard
NAD27	North American Datum (1927)
NAD83	North American Datum (1983)
NADCON	North American Data Conversion

NARSTO	North American Research Strategy for Tropospheric Ozone
NAS	National Academy of Sciences
NATA	National Air Toxics Assessment
NATTS	National Air Toxics Trends Stations
NCEA	National Center for Environmental Assessment
NCEH	National Center for Environmental Health
NCOD	National Contaminant Occurrence Database
NCRP	National Council on Radiation Protection and Measurements
NEI	National Emissions Inventory
NEJAC	National Environmental Justice Advisory Council
NEPIS	National Environmental Publications Information System
NESHAP	National Emission Standards for Hazardous Air Pollutants
NGO	Non-governmental organization
NIEHS	National Institute of Environmental Health Sciences
NIH	National Institutes of Health
NLM	National Library of Medicine
NMIM	National Mobile Inventory Model
NOAA	National Oceanic Atmospheric Administration
NO_x	Oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NRC	National Research Council
NTI	National Toxics Inventory (former name of the air toxics portion of the current NEI)
NWISWeb	National Water Data gateway
NWS	National Weather Service
OAQPS	Office of Air Quality Planning and Standards
OPPT	Office of Pollution Prevention and Toxics
PACE EH	Protocol for Assessing Community Excellence in Environmental Health
PAH	Polycyclic aromatic hydrocarbons
PB-HAP	Persistent, bioaccumulative, hazardous air pollutants
PBT	Persistent, bioaccumulative, toxic chemical(s)
PCB	Polychlorinated biphenyls
PERC	Perchloroethylene
PHA	Public health assessment
PM	Particulate matter
$PM_{2.5}$	Particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
PM_{10}	Particulate matter with an aerodynamic diameter less than or equal to 10 microns
POM	Polycyclic organic matter
POP	Persistent organic pollutant
PPA	Pollution Prevention Act
Project XL	Project eXcellence and Leadership
PSDB	Point-source database
QA	Quality assurance
QC	Quality control
RAGS	Risk Assessment Guidance for Superfund
RAIMI	Regional Air Impact Modeling Initiative
RBC	Risk-based concentration
RCRA	Research Conservation and Recovery Act

RfC	Reference concentration
Risk-MAP	Risk Management Analysis Platform
RSEI	Risk Screening Environmental Indicators
RTA	Regional Transit Authority
SCC	Source Classification Code
SCFM	Standard cubic feet per minute at 68° F
SCRAM	Support Center for Regulatory Air Models
SCREEN3	Screening-level single source Gaussian plume model
SDWA	Safe Drinking Water Act
SEP	Supplemental Environmental Projects
SLT	State, local, and tribal
SMOKE	Sparse Matrix Operator Kernel Emissions
SVOC	Semivolatile organic compounds
TCCR	Transparent, clear, consistent, and reasonable
TDM	Travel Demand Model
TIGER	Topologically Integrated Geographic Encoding and Referencing system
TNRCC	Texas Natural Resource Conservation Commission
TPY	Tons per year
TRI	Toxics Release Inventory
TSCA	Toxic Substances Control Act
TSP	Total suspended particulate
TTN	Technology Transfer Network
TWSA	Toxicity Weighted Screening Approach
UAM	Urban Airshed Model
UAM-Tox	Urban Airshed Model for Toxics
URE	Unit risk estimate
USGS	United States Geological Survey
UTM	Universal Transverse Mercator
VMT	Vehicle miles traveled
VOC	Volatile organic compounds
WGS84	World Geodetic System ellipsoid of 1984
WME	Window to My Environment
WMPC	Waste Minimization Priority Chemicals