

LIST OF ACRONYMS

AQP – Air Quality Planning
ARD – Acid Rain Data
Auto – GC – Automated Gas Chromatograph
BAYP – Bayland Park monitoring site
BCs – Boundary Conditions
BPA – Beaumont-Port Arthur
CAIR2 – Clean Air Interstate Rule, Phase 2
CAMx – Comprehensive Air Model with Extensions
CBIV – Carbon Bond Mechanism, Version 4
CB05 – Carbon Bond Mechanism, Version 05
CENRAP/RPO – Central Region Air Program/Regional Planning Organization
CO – Carbon Monoxide
DERC – Discrete Emission Reduction Credit
DFW – Dallas-Fort Worth (nonattainment area)
DRPK – Deer Park monitoring site
DV – Design Value
EGAS – Economic Growth Analysis System
EGU – Electrical Generating Unit
EI – Emissions Inventory
EPA – United States Environmental Protection Agency
EPS3 – Emissions Processing System, Version 3
ERG – Eastern Research Group
ESAD – Emission Specific Attainment Demonstration
ETA-PBL – ETA Weather Model Planetary Boundary Layer Numerical Algorithm
FDDA – Four Dimensional Data Assimilation
GEOS – CHEM – Goddard Earth Observing Systems Chemistry Model
GloBEIS – Global Biosphere Emissions and Interactions System
HARC – Houston Advanced Research Center
HECT – HRVOC Emissions Cap and Trade
HC – Hydrocarbon
HGB – Houston-Galveston-Brazoria
H-GAC – Houston-Galveston Area Council
HRVOC – Highly Reactive Volatile Organic Compound
HSC – Houston Ship Channel
HSMA – Houston Swiss and Monroe monitoring site
IPM – Integrated Planning Model
KM – Kilometer
KVs – Vertical Exchange Coefficient
LU/LC – Land-use Land-cover
MECT – Mass Emissions Cap and Trade
MM5 – Fifth Generation Meteorological Model
NAAQS – National Ambient Air Quality Standard
NASA – National Aeronautics and Space Administration
NCEP – National Centers for Environmental Prediction
NEI – National Emissions Inventory
NMIM – National Mobile Inventory Model
NOAA – National Oceanic and Atmospheric Administration
NOAH – NCEP - Oregon State Univ. - Air Force - Hydrological Research Laboratory
NO_x – Nitrogen Oxides
NO_y – Nitrogen Species

O₃ – Ozone
OSD – Ozone Season Day
PAR – Photosynthetically Active Solar Radiation
PPB – Parts per Billion
PPB-C – Parts per Billion Carbon
PPB_v – Parts per Billion by Volume
PSCFv2 – Potential Source Contribution Factor, version 2
REMI – Regional Economic Models, Inc.
RRF – Relative Response Factor
SI – Special [emissions] Inventory
SIP – State Implementation Plan
STARS – State of Texas Air Reporting System
STT – Sea Surface Temperature
TCEQ – Texas Commission on Environmental Quality
TexAER – Texas Air Emissions Repository
TexAQS II – Second [2006] Texas Air Quality Study
TPD – Tons Per Day
TTI – Texas Transportation Institute
TxDOT – Texas Department of Transportation
UT-CSR – University of Texas Center for Space Research
WALV – Wallisville Road monitoring site