

## Acronyms, Acceptable Terms, and Term Usage for Regional Haze SIP Documents

| Acronym/Acceptable Term/Usage | Term   |
|-------------------------------|--|
| 2016 EI                       | EPA/MJO 2016 Inventory Collaborative Study                 |
| 2028 EI                       | 2028 future forecasting inventory                          |
| ADEC or DEC                   | Alaska Department of Environmental Conservation            |
| Adjective usage               | Regional Haze  |
| adjective usage               | State(s)   |
| AEEC                          | Alaska Electric and Energy Cooperative                     |
| AICC                          | Alaska Interagency Coordination Center                     |
| AK LNG                        | Alaska LNG   |
| AK SIP                        | Alaska Air Quality Control Plan                            |
| AKRR                          | Alaska Railroad  |
| Alaska                        | State of Alaska  |
| ANTHC                         | Alaska Native Tribal Health Consortium                     |
| ANWR                          | Arctic National Wildlife Refuge                            |
| AOI                           | Area of Influence  |
| AQRVs                         | air quality relative values                                |
| Arctic haze                   | Arctic haze  |
| ATCEM                         | Alaska Tribal Conference for Environmental Managers        |
| ATVs                          | all-terrain vehicles                                       |
| Aurora                        | Aurora Energy, LLC   |
| AVO                           | Alaska Volcano Observatory                                 |
| AWFCG                         | Alaska Wildland Fire Coordinating Group                    |
| BACM                          | best available control measures                            |
| BACT                          | best available control technology                          |
| BART                          | best available retrofit technology                         |
| BC                            | black carbon   |
| BCs                           | Boundary Conditions  |
| BCT                           | Bernice Lake Combustion Turbine Plant                      |
| Bering Sea                    | Bering Sea National Wildlife Refuge/National Wildlife Area |
| bhp                           | brake horsepower   |
| BLM                           | Bureau of Land Management                                  |
| Bluecrest                     | Bluecrest Alaska Operating, LLC                            |
| BOEM                          | Bureau of Ocean Energy Management                          |
| BOG                           | boil-off gas   |
| BP                            | British Petroleum  |
| BUV                           | backscatter ultraviolet                                    |
| CA                            | Census Area  |
| CAA                           | Clean Air Act  |
| CAPs                          | criteria air pollutants                                    |
| CASTNet                       | Clean Air Status and Trends Network                        |
| CATS                          | Complaint Automated Tracking System                        |
| CD                            | Consent Decree   |

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|--|--|
| CEEDS                                    | Community Emissions Data System                                |
| CHPP                                     | Combined Heat and Power Plant                                  |
| CHPP                                     | Fort Wainwright Combined Heat and Power Plant                  |
| Class I area                             | Class I area   |
| Clear AFS                                | Clear Air Force Station  |
| clearest days; CD                        | clearest days  |
| CMAQ                                     | Community Multiscale Air Quality Modeling System               |
| CMV C1; CMV C2; CMV C3                   | commercial marine vessels (Category 1, Category 2, Category 3) |
| CNG                                      | compressed natural gas   |
| CO                                       | carbon monoxide  |
| CO <sub>2</sub>                          | carbon dioxide   |
| coarse mass or CM if it makes sense      | coarse mass  |
| CONUS                                    | contiguous United States                                       |
| Corps of Engineers/USACE?                | U.S. Army Corps of Engineers                                   |
| CPAI                                     | ConocoPhillips Alaska Inc.                                     |
| current visibility period                | current visibility period                                      |
| DENA1                                    | Denali Headquarters Site IMPROVE monitor                       |
| Denali NP/the Park                       | Denali National Park and Preserve                              |
| DMS or (CH <sub>3</sub> ) <sub>2</sub> S | dimethyl sulfate   |
| DMSP                                     | dimethylsulfoniopropionate                                     |
| DNR                                      | Alaska Department of National Resources                        |
| DRUM                                     | Davis Rotating-drum Universal-size-cut Monitoring              |
| DSI                                      | dry sorbent injection  |
| DU                                       | Doyon Utilities, LLC   |
| dv if it makes sense                     | deciview   |
| ECA                                      | Emissions Control Area   |
| EDGAR-HTAPv2                             | Hemispheric Transport of Air Pollution Version 2 inventory     |
| EDMS                                     | Emissions Data Management System                               |
| EGU                                      | electrical generating unit                                     |
| EI                                       | Emissions Inventory/Inventories                                |
| Eielson AFB                              | Eielson Air Force Base   |
| EIS(s)                                   | Environmental Impact Statement(s)                              |
| elemental carbon or EC if it makes sense | elemental carbon   |
| EPA                                      | Environmental Protection Agency                                |
| EPA                                      | United States (U.S.) Environmental Protection Agency           |
| ESMP                                     | Enhanced Smoke Management Plan                                 |
| EUs                                      | emissions units  |
| EWRT                                     | extinction weighted residence time                             |
| FERC                                     | Federal Energy Regulatory Commission                           |
| first/second baseline period             | first/second baseline period                                   |
| first/second implementation plan/period  | first/second implementation plan/period                        |

|   |   |
|---|---|
| first/second progress period                | first/second progress period  |
| first/second/third planning period          | first/second/third planning period  |
| FLMs  | Federal Land Managers   |
| FMVCP                                       | Federal Motor Vehicle Control Program   |
| FNSB  | Fairbanks North Star Borough  |
| FORs  | facility operating reports  |
| Fort Wainwright or FWA                      | U.S. Army Garrison Fort Wainwright  |
| four-factor analysis                        | four-factor analysis  |
| FTP   | Federal Test Procedure  |
| FWS   | U.S. Fish and Wildlife Service  |
| GES DISC                                    | Goddard Earth Science Data and Information Services Center                            |
| GFED4                                       | Global Fire Emissions Database Version 4  |
| Guidance Document                           | Guidance on Regional Haze document  |
| GVEA  | Golden Valley Electrical Association  |
| H   | hydrogen  |
| H <sub>2</sub> S                            | hydrogen sulfide  |
| H <sub>2</sub> SO <sub>4</sub>              | sulfuric acid   |
| HCCP  | Healy Clean Coal Project  |
| HCl   | hydrogen chloride   |
| H-CMAQ                                      | Hemispheric CMAQ  |
| He  | helium  |
| HF  | hydrogen fluoride   |
| Hilcorp                                     | Hilcorp Alaska, LLC   |
| HPMTF                                       | hydroperoxymethyl thioformate   |
| HSFO  | high-sulfur fuel oil  |
| HYSPLIT                                     | Hybrid Single-Particle Lagrangian Integrated Trajectory                               |
| I/M   | inspection and maintenance  |
| IC  | internal combustion   |
| IMO   | International Marine Organization   |
| IMPROVE                                     | Interagency Monitoring of Protected Visual Environments                               |
| IR  | thermal infrared  |
| JBER SIC 49                                 | Joint Base Elmendorf Richardson – Electric, Gas, Drinking Water and Sanitary Services |
| KPB01                                       | Kenai Peninsula Borough IMPROVE monitor   |
| LAER  | Lowest Achievable Emission Rate   |
| LNG   | liquified natural gas   |
| Long term strategy or LTS if it makes sense | long term strategy  |
| LTO   | take-off and landing  |
| LTO   | take-off and landing  |
| MARAMA                                      | Mid-Atlantic Regional Air Management Association                                      |
| MatSu                                       | Matanuska-Susitna Borough   |
| MEA   | Matanuska Electric Association  |
| MEGAN                                       | Model of Emissions for Gases in Nature  |

|  |   |
|--|---|
| METCON   | meteorological conference                           |
| MJOs   | multi-jurisdictional planning organizations         |
| MLP  | Anchorage Municipal Light and Power                 |
| MLS  | microwave   |
| Mm <sup>-1</sup>   | Megameters  |
| MOA  | The Municipality of Anchorage                       |
| most impaired days in narrative sections; MID in analysis sections     | most impaired days                                  |
| NAAQS  | National Ambient Air Quality Standards              |
| NACAA  | National Association of Clean Air Agencies          |
| NAM  | North American Mesoscale Forecast System            |
| NAMS   | NAM hybrid sigma-pressure gridded                   |
| NATA   | National Air Toxics Assessment                      |
| NC-II  | National Conditions II                              |
| NEI  | National Emissions Inventory                        |
| NESCAUM  | Northeast States for Coordinated Air Use Management |
| NGO  | non-governmental organization                       |
| NH <sub>3</sub>  | ammonia   |
| NH <sub>4</sub> NO <sub>3</sub> (Amm NO <sub>3</sub> )                 | ammonium nitrates                                   |
| (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> (Amm SO <sub>4</sub> ) | ammonium sulfates                                   |
| NM   | nadir mapper  |
| NMB  | Normalized Mean Bias                                |
| NME  | Normalized Mean Error                               |
| NO   | nitric oxide  |
| NO <sub>2</sub>  | nitrogen dioxide                                    |
| NO <sub>3</sub>  | nitrate   |
| Noun usage   | regional haze                                       |
| noun usage   | state(s)  |
| NO <sub>x</sub>  | nitrous oxide(s)                                    |
| NP/NR  | nonpoint or nonroad                                 |
| NPPP   | North Pole Power Plant                              |
| NPS  | National Park Service                               |
| NSPS   | new source performance standards                    |
| NSR  | New Source Review                                   |
| NWS  | National Weather Service                            |
| O <sub>3</sub>   | ozone   |
| OCS  | Outer Continental Shelf                             |
| OM   | organic mass  |
| OMC  | organic mass (by) carbon                            |
| OMI  | Ozone Monitoring Instrument                         |
| OMPS   | Ozone Mapping and Profiler Suite                    |
| organic carbon or OC if it makes sense                                 | organic carbon                                      |
| ORL  | owner-requested limit                               |

|                                      |  |
|--------------------------------------|--|
| Pb                                   | lead   |
| PCS                                  | Potential Source Contributions                                   |
| PEC                                  | primary elemental carbon   |
| PM                                   | particulate matter   |
| PM <sub>10</sub>                     | coarse particulate matter and coarse mass                        |
| PM <sub>2.5</sub>                    | fine particulate matter and fine mass                            |
| POA                                  | primary organic aerosol  |
| PSD                                  | Prevention of Significant Deterioration                          |
| PTE                                  | potential to emit  |
| Q/D                                  | quantity of emissions divided by distance to the IMPROVE monitor |
| RACT                                 | reasonable available control technology                          |
| RAVI                                 | reasonably attributable visibility impairment                    |
| RBLC                                 | RACT, BACT, & LAER Clearinghouse                                 |
| RepComs                              | representative communities                                       |
| RH Program                           | Regional Haze Program  |
| RH Rule                              | Regional Haze Rule   |
| RH SIP                               | Regional Haze State Implementation Plan                          |
| RH SIP or RH Plan                    | Regional Haze Plan   |
| RHPWG                                | Regional Haze Planning Work Group                                |
| RPGs                                 | reasonable progress goals  |
| RRFs                                 | relative response factors  |
| RT                                   | residence time   |
| RTOWG                                | Regional Technical Operations Work Group                         |
| SCR                                  | selective catalytic reduction                                    |
| SDA                                  | spray dry absorber   |
| second Regional Haze planning period | second Regional Haze planning period                             |
| Serious SIP                          | Serious State Implementation Plan                                |
| SIC                                  | standard industrial classification                               |
| SIME1                                | Simeonof IMPROVE monitor   |
| Simeonof                             | Simeonof National Wildlife Refuge/National Wildlife Area         |
| SIP                                  | State Implementation Plan  |
| SMP                                  | Smoke Management Plan  |
| SNCR                                 | selective non-catalytic reduction                                |
| SNPP                                 | Suomi National Polar-orbiting Partnership                        |
| SO <sub>2</sub>                      | sulfur dioxide   |
| SO <sub>4</sub>                      | sulfate  |
| SOA                                  | secondary organic aerosols                                       |
| SO <sub>x</sub>                      | sulfur oxides  |
| TAPS                                 | Trans-Alaska Pipeline System                                     |
| TDS                                  | Total dissolved solids(?)  |
| TPY                                  | tons per year  |
| TRCR1                                | Trapper Creek Site IMPROVE monitor                               |
| Trident                              | Trident Seafoods Corporation                                     |

|                  |   |
|------------------|---|
| TSD              | Technical Support Document                              |
| TSS              | Technical Support System                                |
| TUXE1            | Tuxedni IMPROVE monitor                                 |
| Tuxedni          | Tuxedni National Wildlife Refuge/National Wildlife Area |
| UAF              | University of Alaska-Fairbanks                          |
| ULSD             | ultra-low sulfur diesel                                 |
| URP              | Uniform Rate of Progress                                |
| USAF             | United States Air Force                                 |
| USCG             | U. S. Coast Guard                                       |
| USFS             | U.S. Forest Service                                     |
| USGS             | U.S. Geological Survey                                  |
| Utqiagvik        | Utqiagvik (formerly known as Barrow)                    |
| UV               | ultraviolet   |
| IEWS             | Visibility Information Exchange Web System              |
| Visibility SIP   | Reasonably Attributable Visibility Impairment SIP       |
| VMT              | vehicle miles traveled                                  |
| VOCs             | volatile organic compounds                              |
| VPA              | Visibility Protection Area                              |
| VSO <sub>2</sub> | volcanic sulfur dioxide                                 |
| WAQS             | Western Air Quality Study                               |
| WEP              | Weighted Emissions Potential                            |
| WESTAR           | Western States Air Resources Council                    |
| WPYRR            | White Pass and Yukon Railroad                           |
| WRAP             | Western Regional Air Partnership                        |
| WRF              | Weather Research and Forecasting model                  |
| ZROW             | Zero Out Rest of World                                  |