

Abbreviations and Units

Abbreviation	Full Name
AOD	aerosol optical depth
API	air pollution index
AQI	air quality index
CEMS	continuous emissions monitoring system
CO	carbon monoxide
COD	chemical oxygen demand
DMSF-OLS	Global Defense Meteorological Satellite Program's Operational Linescan System
EIA	environmental impact assessment
EPA	Environmental Protection Agency (USA)
EPB	Environmental Protection Bureau
EV	electric vehicle
FGD	flue gas desulfurization
FYP	five-year plan <ul style="list-style-type: none">• 1996–2000: 9th FYP• 2001–2005: 10th FYP• 2006–2010: 11th FYP• 2011–2015: 12th FYP• 2016–2020: 13th FYP
GEOS	Goddard Earth Observing System
HEV	hybrid electric vehicle
HNO ₃	nitric acid
H ₂ O	water
H ₂ SO ₄	sulfuric acid
INEGI	Instituto Nacional de Estadística y Geografía (Mexico's National Institute of Statistics and Geography)

(continued)

Abbreviation	Full Name
Jing-Jin-Ji	Beijing-Tianjin-Hebei
MEE	see NEPA
MEP	see NEPA
MISR	multi-angle imaging spectroradiometer
MODIS	moderate resolution imaging spectroradiometer
NAAQS	National Ambient Air Quality Standards
NDRC	National Development and Reform Commission
NEPA, SEPA, MEP, MEE	<ul style="list-style-type: none"> • between 1988 and 1998: National Environmental Protection Agency (NEPA) • between 1998 and 2008: State Environmental Protection Administration (SEPA) • between 2008 and 2017: Ministry of Environmental Protection (MEP) • since 2018: Ministry of Ecology and Environment (MEE)
NOAA	National Oceanic and Atmospheric Administration
NO	nitrogen monoxide
NO ₂	nitrogen dioxide
NO _x	nitrogen oxides (combination of nitrogen monoxide, NO, and nitrogen dioxide, NO ₂)
NPC	National People's Congress
O ₃	ozone
OLS	ordinary least squares
OMI	ozone monitoring instrument
PBL	planetary boundary layer
Pearl River delta	a region encompassing nine prefectures in Guangdong Province, including Guangzhou, Shenzhen, Zhuhai, Foshan, Jiangmen, Zhaoqing, Huizhou, Dongguan, and Zhongshan
PM	particulate matter
PM _{2.5}	fine particulate matter; particulate matter whose aerodynamic diameter is smaller than 2.5 μm
PM ₁₀	coarse particulate matter; particulate matter whose aerodynamic diameter is smaller than 10 μm
SASAC	State-Owned Assets Supervision and Administration Commission
SeaWiFS	sea-viewing wide field-of-view sensor
SEPA	see NEPA
SO ₂	sulfur dioxide
SOE	state-owned enterprise
TCZ	Two Control Zones
TEC	total emission control
TEPJF	<i>Tribunal Electoral del Poder Judicial de la Federación</i> (Mexico's Electoral Tribunal of the Federal Judiciary)
TSP	total suspended particle
ULE	ultralow emission
VOC	volatile organic compound

(continued)

Abbreviation	Full Name
WHO	World Health Organization
Yangtze River delta	Shanghai, southern Jiangsu, and northern Zhejiang

Unit	Description
Micrometer (μm)	$1 \mu\text{m} = 1 \times 10^{-6} \text{ m}$