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# Acronyms/Abbreviations

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A-50	Aerazine-50
AAGTO	Annually averaged global total ozone
AFB	Air Force Base
AFCEE	Air Force Center for Environmental Excellence
AFI	Air Force Instruction
AFOSH	Air Force Office of Safety and Health
AFSPC	Air Force Space Command
AGL	Above ground level
Al	Aluminum
Al <sub>2</sub> O <sub>3</sub>	Aluminum oxide
	Health Directorate
AOC	Area of concern
ASOC	Atlas V Spaceflight Operations Center
AST	Office of the Associate Administrator for Commercial Space Transportation
AWSPL	A-weighted sound pressure level
BAB	Booster assembly building
BO	Biological opinion
Boeing	McDonnell Douglas Corporation, a wholly owned subsidiary of the Boeing Company
CAA	Clean Air Act, as amended in 1990
CAAQS	California Ambient Air Quality Standards
CARB	California Air Resources Board
CBC	Common booster core
CCAFS	Cape Canaveral Air Force Station
CCSI	California Commercial Spaceport, Inc.
CCB	Common Core Booster™
CCR	California Code of Regulations
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFCs	Chlorofluorocarbons
CFR	Code of Federal Regulations
Cl <sub>2</sub>	Chlorine
ClO	Chlorine oxide
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
COMSTAC	Commercial Space Transportation Advisory Committee
CPF	Centaur Processing Facility
CPT	Centerline carpet boom
CP2	Carpet boom at a position of ½ CPT overpressure level
CSA	California Space Authority

CUS	Cryogenic upper stage
CWA	Clean Water Act
CZMP	Coastal Zone Management Program
dB	Decibel
DCUS	Delta Cryogenic Upper Stage
DIV	Delta IV
DIV H	Delta IV Delta IV Heavy launch vehicle
DIV M	Delta IV Medium launch vehicle
DIV M+	Delta IV Medium launch vehicle with solid rocket motor strap-ons
DOC	Delta IV Operations Center
DoD	U.S. Department of Defense
DOT	U. S. Department of Transportation
DPF	DSCS Processing Facility
DSCS	Defense Satellite Communications System
DSEIS	Draft Supplemental Environmental Impact Statement
DTSC	California Environmental Protection Agency Department of Toxic Substances Control
EA	Environmental Assessment
EC	Expected casualties
ECMP	Environmental Compliance Management Plan
EDG	Focus boom at the carpet edge
EELV	Evolved Expendable Launch Vehicle
EFH	Essential fish habitat
EOD	Explosive ordnance disposal
EPA	U.S. Environmental Protection Agency
EPCRA	Environmental Planning and Community Right-to-Know Act
ERDAS	Eastern Range Dispersion Assessment System
ESQD	Explosive Safety Quantity-Distance
EWR	Eastern and Western Range
FAA	Federal Aviation Administration
FAAQS	Florida Ambient Air Quality Standards
FAC	Florida Administrative Code
FCMA	Florida Coastal Management Act
FCMP	Florida Coastal Management Plan
FDEP	Florida Department of Environmental Protection
FEIS	Final Environmental Impact Statement
FIP	Federal Implementation Plan
FMC	Fishery Management Council
FMS	Fabricate, modify, small hardware
FOC	Focus boom on centerline
FONPA	Finding of No Practicable Alternatives
FONSI	Finding of No Significant Impact
FSEIS	Final Supplemental Environmental Impact Statement
FTS	Flight termination system
GEM	Graphite epoxy motor
GSO	Geostationary orbit
GTO	Geosynchronous transfer orbit

HABS/HAER Record	Historic American Building Survey/Historic American Engineering Record
HCFCs	Hydrochlorofluorocarbons
HCl	Hydrogen chloride
HDCUS	Heavy Delta Cryogenic Upper Stage
He	Helium
HIF	Horizontal Integration Facility
HLV	Heavy-lift vehicle
HNO <sub>3</sub>	Nitric acid
HQ AFSPC/SG	Headquarters Air Force Space Command/Surgeon General
HTPB	Hydroxyl-terminated polybutadiene
HUS	Hypergolic Upper Stage
HVAC	Heating, ventilation, and air conditioning
HWMP	Hazardous Waste Management Plan
HYPACT	Hybrid Particle and Concentration Transport
ICBM	Intercontinental Ballistic Missile
IDLH	Immediately Dangerous to Life and Health
Inv.	Inversion
IPF	Integrated Processing Facility
IPS	Ignition pulse suppression
IRP	Installation Restoration Program
ITL	Integrate Transfer Launch
JANNAF	Joint Army-Navy-NASA-Air Force
KSC	Kennedy Space Center
LATRA	Launch Area Toxic Risk Analysis
lbs	Pounds
LCC	Launch commit criteria
Ld <sub>n</sub>	Day-night average noise level
LEO	Low Earth orbit
LEPC	Local Emergency Planning Committee
LF	Launch facility
LH <sub>2</sub>	Liquid hydrogen
LMC	Lockheed Martin Corporation
LO <sub>2</sub>	Liquid oxygen
LOC	Level of Concern
LOCC	Launch Operations Control Center
LOS	Level of service
LVC	Launch vehicle contractor
MAIS	Major Automated Information System
MDAC	McDonnell Douglas Astronautics Corp.
MDAPs	Major Defense Acquisition Programs
ME	Mission essential
MEK	Methyl ethyl ketone
mg	Milligram
MGD	Million gallons per day
mg/L	Milligrams per liter
mg/m <sup>2</sup>	Milligrams per square meter

µg/m <sup>3</sup>	Micrograms per cubic meter
MBPT	Migratory Bird Protection Treaty
MIS	Missile Inert Storage
MLV	Medium-lift vehicle
MLV+	Medium-lift variant with solid rocket motor strap-ons
mm	Millimeters
MMH	Monomethyl hydrazine
MOA	Memorandum of Agreement
MSDS	Material Safety Data Sheets
MST	Mobile Service Tower
N <sub>2</sub>	Nitrogen
N <sub>2</sub> H <sub>4</sub>	Anhydrous hydrazine
N <sub>2</sub> O <sub>4</sub>	Nitrogen tetroxide
NA	Not applicable
NAAQS	National Ambient Air Quality Standards
NAGPRA	Native American Graves Protection and Repatriation Act
NASA	National Aeronautics and Space Administration
NDE	Nondestructive evaluation
NEPA	National Environmental Policy Act
NESHAPs	National Emissions Standards for Hazardous Air Pollutants
NFRAP	No further response action planned
NH <sub>3</sub>	Ammonia
NH <sub>4</sub> ClO <sub>4</sub>	Ammonium perchlorate
NIOSH	National Institute for Occupational Safety and Health
NME	Non-mission essential
NMFS	National Marine Fisheries Service
NMM	National Mission Model
NO <sub>2</sub>	Nitrogen dioxide
NOI	Notice of Intent
NO <sub>x</sub>	Nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NSP	National Space Policy
O <sub>2</sub>	Oxygen (diatomic)
O <sub>3</sub>	Ozone
OB/DG	Ocean Breeze/Dry Gulch
ODS	Ozone-Depleting Substances
OEHHA	Office of Environmental Health Hazard Assessment
OES	Office of Emergency Services
OSD	Office of the Secretary of Defense
OSHA	Occupational Safety and Health Administration
OSPL	Overall sound pressure level
PCB	Polychlorinated biphenyl
PEL	Permissible exposure limit
PG-2	Triethyl boron/triethyl aluminum
pH	Hydrogen ion concentration

PM <sub>10</sub>	Particulate matter equal to or less than 10 microns in diameter
POL	Petroleum, oil, and lubricants
PPF	Payload Processing Facility
ppm	Parts per million
PPMP	Pollution Prevention Management Plan
Pre-EMD	Pre-Engineering and Manufacturing Development
PSD	Prevention of Significant Deterioration
psf	Pounds per square foot
psi	Pounds per square inch
RCRA	Resource Conservation and Recovery Act
RCS	Reaction control system
REEDM	Rocket Exhaust Effluent Diffusion Model
REL	Recommended Exposure Limit
RFI	RCRA Facility Investigation
RI	Remedial investigation
RIS	Receipt Inspection Shop
RLCC	Remote Launch Control Center
ROD	Record of Decision
ROI	Region of influence
RP-1	Kerosene fuel (rocket propellant-1)
RSA	Range Standardization and Automation
SAP	Satellite accumulation points
SCCAB	South Central Coast Air Basin
SEIS	Supplemental Environmental Impact Statement
SEL	Sound exposure level
SHPO	State Historic Preservation Office
SI	Site Investigation
SIP	State Implementation Plan
SLC	Space Launch Complex
SLMP	Space Launch Modernization Plan
SMARF	Solid Motor Assembly and Readiness Facility
SO <sub>2</sub>	Sulfur dioxide
SPCC	Spill Prevention Control and Contingency
SPD	System Performance Document
SPEGL	Short-term Public Emergency Guidance Level
SPF3	Standardized Plume Flowfield model
SPIF	Spacecraft Processing Integration Facility
SPP	JANNAF Solid Propellant to Rocket Motor Performance Computer Program
SR	State Route
SRM	Solid rocket motor
SRS	Segment Ready Storage
SSI	Space Systems International
SSPP	System Safety Program Plan
STEL	Short-term exposure limit
STS	Space Transportation System
SUS	Storable Upper Stage

SW	Space Wing
SWMU	Solid waste management unit
TCE	Trichloroethylene
TDK	Two-Dimensional Kinetics
THC	Toxic hazard control
TLV	Threshold Limit Value
TOMS	Total Ozone Mapping Spectrometer
TSDF	Treatment, storage, and disposal facility
TWA	Time-weighted average
UDMH	Unsymmetrical dimethylhydrazine
U.S.	United States
USACE	U.S. Army Corps of Engineers
USAF/SG	U.S. Air Force/Surgeon General
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UV	Ultraviolet
UV-B	Ultraviolet light that is biologically damaging (sunlight)
VAFB	Vandenberg Air Force Base
VIB	Vehicle integration building
VIF	Vehicle Integration Facility
VOC	Volatile organic compounds
VPF	Vehicle processing facilities
WR	Western Range
WWTP	Wastewater treatment plant