

**Maximum Achievable Control Technology Standards  
Reference Table for (MACT – RT) for Air Quality Permits**

This document is used to help facilitate the submission of air quality permit application forms for sources subject to Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63).

Applicants should refer to the current version of 40 CFR Part 63 for specific details concerning applicability of the standards. Copies of these standards can be found on the Government Printing Office Web site at [www.gpoaccess.gov/cfr/](http://www.gpoaccess.gov/cfr/). Additional information such as the background information and EPA staff contacts may also be found on EPA's Air Toxic Website at [www.epa.gov/ttn/atw/](http://www.epa.gov/ttn/atw/).

<b>40 CFR Part 63 Subpart:</b>	<b>Title and Reference</b>	<b>40 CFR Part 63 Subpart:</b>	<b>Title and Reference</b>
A	General Provisions §63.1-§63.16	I	National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks §63.190-§63.193
B	Requirements for Control Technology Determinations for Major Sources in Accordance With Clean Air Act Sections, Sections 112(g) and 112(j) §63.40-§63.56	J	National Emission Standards for Hazardous Air Pollutants for Polyvinyl Chloride and Copolymers Production §63.210-§63.217 (court vacated on June 18, 2004)
C	List of Hazardous Air Pollutants, Petitions Process, Lesser Quantity Designations, Source Category List §63.60-§63.69	K	Reserved
D	Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants §63.70-§63.81	L	National Emission Standards for Coke Oven Batteries §63.300-§63.313
E	Approval of State Programs and Delegation of Federal Authorities §63.90-§63.99	M	National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities §63.320-§63.326
F	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry §63.100-§63.107	N	National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks §63.340-§63.348
G	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater §63.110-§63.153	O	Ethylene Oxide Emissions Standards for Sterilization Facilities §63.360-§63.368

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H	National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks §63.160-§63.183	P	Reserved
Q	National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers §63.400-§63.407	CC	National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries §63.640-§63.679
R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) §63.420-§63.429	DD	National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations §63.680-§63.698
S	National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry §63.440-§63.459	EE	National Emission Standards for Magnetic Tape Manufacturing Operations §63.701-§63.708
T	National Emission Standards for Halogenated Solvent Cleaning §63.460-§63.471	FF	Omitted
U	National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins §63.480-§63.507	GG	National Emission Standards for Aerospace Manufacturing and Rework Facilities §63.741-§63.759
V	Reserved	HH	National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities §63.760-§63.779
W	National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-Nylon Polyamides Production §63.520-§63.529	II	National Emission Standards for Shipbuilding and Ship Repair (Surface Coating) §63.780-§63.789

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<b>40 CFR Part 63 Subpart:</b>	<b>Title and Reference</b>	<b>40 CFR Part 63 Subpart:</b>	<b>Title and Reference</b>
X	National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting §63.541-§63.551	JJ	National Emission Standards for Wood Furniture Manufacturing Operations §63.800-§63.819
Y	National Emission Standards for Marine Tank Vessel Loading Operations §63.560-§63.568	KK	National Emission Standards for the Printing and Publishing Industry §63.820-§63.839
Z	Reserved	LL	National Emission Standards for Hazardous Air Pollutants for Primary Aluminum Reduction Plants §63.840-§63.859
AA	National Emission Standards for Hazardous Air Pollutants From Phosphoric Acid Manufacturing Plants §63.600-§63.611	MM	National Emission Standards for Hazardous Air Pollutants for Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mills §63.860-§63.868
BB	National Emission Standards for Hazardous Air Pollutants From Phosphate Fertilizers Production Plants §63.620-§63.632	NN	Reserved
OO	National Emission Standards for Tanks - Level 1 §63.900-§63.908	AAA	Reserved
PP	National Emission Standards for Containers §63.920-§63.929	BBB	Reserved
QQ	National Emission Standards for Surface Impoundments §63.940-§63.949	CCC	National Emission Standards for Hazardous Air Pollutants for Steel Pickling-HCl Process Facilities and Hydrochloric Acid Regeneration Plants §63.1155-§63.1174
RR	National Emission Standards for Individual Drain Systems §63.960-§63.967	DDD	National Emission Standards for Hazardous Air Pollutants for Mineral Wool Production §63.1175-§63.1199

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<b>40 CFR Part 63 Subpart:</b>	<b>Title and Reference</b>	<b>40 CFR Part 63 Subpart:</b>	<b>Title and Reference</b>
SS	National Emission Standards for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process §63.980-§63.999	EEE	National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors §63.1200-§63.1221
TT	National Emission Standards for Equipment Leaks - Control Level 1 §63.1000-§63.1018	FFF	Reserved
UU	National Emission Standards for Equipment Leaks - Control Level 2 Standards §63.1019-§63.1039	GGG	National Emission Standards for Pharmaceuticals Production §63.1250-§63.1261
VV	National Emission Standards for Oil-Water Separators and Organic-Water Separators §63.1040-§63.1050	HHH	National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities §63.1270-§63.1289
WW	National Emission Standards for Storage Vessels (Tanks) - Control Level 2 §63.1060-§63.1067	III	National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production §63.1290-§63.1309
XX	National Emission Standards for Ethylene Manufacturing Process Units: Heat Exchange Systems and Waste Operations §63.1080-§63.1097	JJJ	National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins §63.1310-§63.1336
YY	National Emission Standards for Hazardous Air Pollutants for Source Categories: Generic Maximum Achievable Control Technology Standards §63.1100-§63.1114	KKK	Reserved
ZZ	Reserved	LLL	National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry §63.1340-§63.1359
MMM	National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production §63.1360-§63.1369	XXX	National Emission Standards for Hazardous Air Pollutants for Ferrous Alloys Production: Ferromanganese and Silicomanganese §63.1620-§63.1679

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<b>40 CFR Part 63 Subpart:</b>	<b>Title and Reference</b>	<b>40 CFR Part 63 Subpart:</b>	<b>Title and Reference</b>
NNN	National Emission Standards for Hazardous Air Pollutants for Wool Fiberglass Manufacturing §63.1380-§63.1399	YYY	Omitted
OOO	National Emission Standards for Hazardous Air Pollutant Emissions: Manufacture of Amino/Phenolic Resins §63.1400-§63.1419	ZZZ	Omitted
PPP	National Emission Standards for Hazardous Air Pollutant Emissions for Polyether Polyols Production §63.1420-§63.1439	AAAA	National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills §63.1930-§63.1990
QQQ	National Emission Standards for Hazardous Air Pollutants for Primary Copper Smelting §63.1440-§63.1459	BBBB	Omitted
RRR	National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production §63.1500-§63.1520	CCCC	National Emission Standards for Hazardous Air Pollutants: Manufacturing of Nutritional Yeast §63.2130-§63.2192
SSS	Reserved	DDDD	National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products §63.2230-§63.2292
TTT	National Emission Standards for Hazardous Air Pollutants for Primary Lead Smelting §63.1541-63.1550	EEEE	National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) §63.2330-§63.2406
UUU	National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units §63.1560-§63.1579	FFFF	National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing §63.2430-§63.2550
VVV	National Emission Standards for Hazardous Air Pollutants: Publicly Owned Treatment Works §63.1580-§63.1595	GGGG	National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production §63.2830-§63.2872

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WWW	Reserved	HHHH	National Emission Standards for Hazardous Air Pollutants for Wet-Formed Fiberglass Mat Production §63.2980-§63.3079
III	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light-Duty Trucks §63.3080-§63.3176	TTTT	National Emission Standards for Hazardous Air Pollutants for Leather Finishing Operations §63.5280-§63.5460
JJJ	National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating §63.3280-§63.3420	UUUU	National Emission Standards for Hazardous Air Pollutants for Cellulose Products Manufacturing §63.5480-§63.5610
KKKK	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Cans §63.3480-§63.3561	VVVV	National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing §63.5680-§63.5779
LLLL	Reserved	WWWW	National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production §63.5780-§63.5935
MMMM	National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products §63.3880-§63.3981	XXXX	National Emission Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing §63.5980-§63.6015
NNNN	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Large Appliances §63.4080-§63.4181	YYYY	National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines §63.6080-§63.6175
OOOO	National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textile §63.4280-§63.4371	ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines §63.6580-§63.6675
PPPP	National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products §63.4480-§63.4581	AAAAA	National Emission Standards for Hazardous Air Pollutants for Lime Manufacturing Plants §63.7080-§63.7143

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QQQQ	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products §63.4680-§63.4781	BBBBB	National Emission Standards for Hazardous Air Pollutants for Semiconductor Manufacturing §63.7180-§63.7195
RRRR	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Furniture §63.4880-§63.4981	CCCCC	National Emission Standards for Hazardous Air Pollutants for Coke Ovens: Pushing, Quenching, and Battery Stacks §63.7280-§63.7352
SSSS	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil §63.5080-§63.5209	DDDDD	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters §63.7480-§63.7575 (court vacated on 06/08/2007)
EEEEE	National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries §63.7680-§63.7765	PPPPP	National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Standards §63.9280-§63.9375
FFFFF	National Emission Standards for Hazardous Air Pollutants for Integrated Iron and Steel Manufacturing Facilities §63.7780-§63.7852	QQQQQ	National Emission Standards for Hazardous Air Pollutants for Friction Materials Manufacturing Facilities §63.9480-§63.9579
GGGGG	National Emission Standards for Hazardous Air Pollutants: Site Remediation §63.7880-§63.7957	RRRRR	National Emission Standards for Hazardous Air Pollutants: Taconite Iron Ore Processing §63.9580-§63.9652
HHHHH	National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing §63.7980-§63.8105	SSSSS	National Emission Standards for Hazardous Air Pollutants for Refractory Products Manufacturing §63.9780-§63.9824
IIIII	National Emission Standards for Hazardous Air Pollutants: Mercury Emissions From Mercury Cell Chlor-Alkali Plants §63.8180-§63.8266	TTTTT	National Emissions Standards for Hazardous Air Pollutants for Primary Magnesium Refining §63.9880-§63.9942

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JJJJ	National Emission Standards for Hazardous Air Pollutants for Brick and Structural Clay Products Manufacturing §63.8380-§63.8515 (court vacated on 03/13/2007)	UUUU	Reserved
KKKK	National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing §63.8530-§63.8665 (court vacated on 03/13/2007)	VVVV	Reserved
LLLL	National Emission Standards for Hazardous Air Pollutants: Asphalt Processing and Asphalt Roofing Manufacturing §63.8680-§63.8698	WWWW	National Emission Standards for Hospital Ethylene Oxide Sterilizers §63.10382-§63.10448
MMMM	National Emission Standards for Hazardous Air Pollutants: Flexible Polyurethane Foam Fabrication Operations §63.8780-§63.8830	XXXX	Reserved
NNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production §63.8980-§63.9075	YYYY	National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities §63.10680-§63.10692
OOOO	Reserved	ZZZZ	National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources §63.10880-§63.10906
AAAA	Reserved	MMMMM	National Emission Standards for Hazardous Air Pollutants for Carbon Black Production Area Sources §63.11400-§63.11406
BBBB	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities §63.11080-§63.11100	NNNNN	National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources: Chromium Compounds §63.11407-§63.11413



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CCCCCC	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities §63.11110-§63.11132	OOOOOO	National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production and Fabrication Area Sources §63.11414-§63.11420
DDDDDD	National Emission Standards for Hazardous Air Pollutants for Polyvinyl Chloride and Copolymers Production Area Sources §63.11140-§63.11145	PPPPPP	National Emission Standards for Hazardous Air Pollutants for Lead Acid Battery Manufacturing Area Sources §63.11421-§63.11427
EEEEEE	National Emission Standards for Hazardous Air Pollutants for Primary Copper Smelting Area Sources §63.11146-§63.11152	QQQQQQ	National Emission Standards for Hazardous Air Pollutants for Wood Preserving Area Sources §63.11428-§63.11434
FFFFFF	National Emission Standards for Hazardous Air Pollutants for Secondary Copper Smelting Area Sources §63.11153-§63.11159	RRRRRR	National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing Area Sources §63.11435-§63.11447
GGGGGG	National Emission Standards for Hazardous Air Pollutants for Primary Nonferrous Metals Area Sources -- Zinc, Cadmium, and Beryllium §63.11160-§63.11168	SSSSSS	National Emission Standards for Hazardous Air Pollutants for Glass Manufacturing Area Sources §63.11448-§63.11461
HHHHHH	National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources §63.11169-§63.11180	TTTTTT	National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources §63.11462-§63.11474
IIIII	Reserved	UUUUUU	Reserved
JJJJJ	Reserved	VVVVVV	National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources §63.11494-§63.11503
KKKKKK	Reserved	WWWWWW	National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations §63.11504-§63.11513

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LLLLLL	National Emission Standards for Hazardous Air Pollutants for Acrylic and Modacrylic Fibers Production Area Sources §63.11393-§63.11399	XXXXXX	National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories §63.11514-§63.11523
YYYYYY	National Emission Standards for Hazardous Air Pollutants for Area Sources: Ferroalloys Production Facilities §63.11524-§63.11543	BBBBBBB	National Emission Standards For Hazardous Air Pollutants For Area Sources: Chemical Preparations Industry §63.11579-§63.11588
ZZZZZZ	National Emission Standards for Hazardous Air Pollutants Area Source Standards for Aluminum, Copper, and Other Nonferrous Foundries §63.11544-§63.11558	CCCCCCC	National Emission Standards For Hazardous Air Pollutants For Area Sources: Paints And Allied Products Manufacturing §63.11599-§63.11607
AAAAAAA	National Emission Standards For Hazardous Air Pollutants For Area Sources: Asphalt Processing And Asphalt Roofing Manufacturing §63.11559-§63.11567	DDDDDDD	National Emission Standards For Hazardous Air Pollutants For Area Sources: Prepared Feeds Manufacturing §63.11619-§63.11627