**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/).

| **40 CFR Part 63**  **Subpart:** | **Title and Reference** | **40 CFR**  **Part 63 Subpart:** | **Title and Reference** |
| --- | --- | --- | --- |
| 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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| **40 CFR Part 63**  **Subpart:** | **Title and Reference** | **40 CFR**  **Part 63 Subpart:** | **Title and Reference** |
| 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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| **40 CFR Part 63**  **Subpart:** | | **Title and Reference** | | **40 CFR**  **Part 63 Subpart:** | | **Title and Reference** | |
| 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 Ferroalloys Production: Ferromanganese and Silicomanganese  §63.1620-§63.1679 | |

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| **40 CFR Part 63**  **Subpart:** | **Title and Reference** | **40 CFR**  **Part 63 Subpart:** | **Title and Reference** |
| 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 | |
| IIII | | 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 | |
| JJJJ | | 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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| **40 CFR Part 63**  **Subpart:** | **Title and Reference** | **40 CFR**  **Part 63 Subpart:** | **Title and Reference** |
| 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/Stands  §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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| **40 CFR Part 63**  **Subpart:** | | **Title and Reference** | | **40 CFR**  **Part 63 Subpart:** | | **Title and Reference** | |
| JJJJJ | | National Emission Standards for Hazardous Air Pollutants for Brick and Structural Clay Products Manufacturing  §63.8380-§63.8515  (court vacated on 03/13/2007) | | UUUUU | | Reserved | |
| KKKKK | | National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing  §63.8530-§63.8665  (court vacated on 03/13/2007) | | VVVVV | | Reserved | |
| LLLLL | | National Emission Standards for Hazardous Air Pollutants: Asphalt Processing and Asphalt Roofing Manufacturing  §63.8680-§63.8698 | | WWWWW | | National Emission Standards for Hospital Ethylene Oxide Sterilizers  §63.10382-§63.10448 | |
| MMMMM | | National Emission Standards for Hazardous Air Pollutants: Flexible Polyurethane Foam Fabrication Operations  §63.8780-§63.8830 | | XXXXX | | Reserved | |
| NNNNN | | National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production  §63.8980-§63.9075 | | YYYYY | | National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities  §63.10680-§63.10692 | |
| OOOOO | | Reserved | | ZZZZZ | | National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources  §63.10880-§63.10906 | |
| AAAAAA | | Reserved | | MMMMMM | | National Emission Standards for Hazardous Air Pollutants for Carbon Black Production Area Sources  §63.11400-§63.11406 | |
| BBBBBB | | National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities  §63.11080-§63.11100 | | NNNNNN | | National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources: Chromium Compounds  §63.11407-§63.11413 | |

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| **40 CFR Part 63**  **Subpart:** | **Title and Reference** | **40 CFR**  **Part 63 Subpart:** | **Title and Reference** |
| 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 |
| IIIIII | Reserved | UUUUUU | Reserved |
| JJJJJJ | 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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| **40 CFR Part 63**  **Subpart:** | **Title and Reference** | **40 CFR**  **Part 63 Subpart:** | **Title and Reference** |
| 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 |