

## APPENDIX C

### *LIST OF BAAQMD, SCAQMD, AND SJVUAPCD RULES AND REGULATIONS APPLICABLE AT PETROLEUM REFINERIES*

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#### **BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

##### REGULATION I - GENERAL PROVISIONS AND DEFINITIONS

- Rule 1-100 General*
  - All subparts, including:
    - 1-112 Breakdown*
    - 1-113 Discretionary Enforcement, Breakdown*
- Rule 1-300 Standards*
  - 1-301 Public Nuisance*
- Rule 1-400 Administrative Requirements*
  - All subparts, including:
    - 1-430 Breakdown Procedures*
    - 1-431 Breakdown Report*
    - 1-432 Written Breakdown Report*
    - 1-433 Determination Of Breakdown*
    - 1-434 Administrative Violation, Breakdown*
    - 1-440 Right Of Access To Premises*
    - 1-441 Right Of Access To Information*
- Rule 1-500 Monitoring and Records*

##### REGULATION II - PERMITS

- Rule 2-1 General Requirements*
- Rule 2-2 New Source Review*
- Rule 2-3 Power Plants*
- Rule 2-4 Emissions Banking*
- Rule 2-6 Major Facility Review*

##### REGULATION III - FEES

- Reg 3 District Permit Fees and Hearing Board Fees*

##### REGULATION V - OPEN BURNING

##### REGULATION VI - PARTICULATE MATTER AND VISIBLE EMISSIONS

##### REGULATION VII - ODOROUS SUBTANCES

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#### REGULATION VIII - ORGANIC COMPOUNDS

<i>Rule 8-1</i>	<i>General Provisions</i>
<i>Rule 8-2</i>	<i>Miscellaneous Operation</i>
<i>Rule 8-3</i>	<i>Architectural Coatings</i>
<i>Rule 8-5</i>	<i>Storage of Organic Liquids</i>
<i>Rule 8-6</i>	<i>Terminals and Bulk Plants</i>
<i>Rule 8-8</i>	<i>Wastewater (Oil-Water) Separators</i>
<i>Rule 8-9</i>	<i>Vacuum Producing Systems</i>
<i>Rule 8-10</i>	<i>Process Vessel Depressurizing</i>
<i>Rule 8-18</i>	<i>Valves and Connectors at Petroleum Refinery Complexes, Chemical Plants, Bulk Plants and Bulk Terminals</i>
<i>Rule 8-28</i>	<i>Pressure Relief Valves at Petroleum Refineries and Chemical Plants</i>
<i>Rule 8-33</i>	<i>Gasoline Bulk Terminals and Gasoline Delivery Vehicles</i>
<i>Rule 8-37</i>	<i>Natural Gas and Crude Oil Production Facilities</i>
<i>Rule 8-39</i>	<i>Gasoline Bulk Plants &amp; Gas Delivery Vehicles</i>
<i>Rule 8-44</i>	<i>Marine Vessel Loading Terminals</i>
<i>Rule 8-46</i>	<i>Marine Tank Vessel to Marine Tank Vessel Loading</i>
<i>Rule 8-51</i>	<i>Adhesive and Sealant Products</i>

#### REGULATION IX - INORGANIC GASEOUS POLLUTANTS

<i>Rule 9-1</i>	<i>Inorganic Gaseous Pollutants - Sulfur Dioxide</i>
<i>Rule 9-2</i>	<i>Hydrogen Sulfide</i>
<i>Rule 9-3</i>	<i>Nitrogen Oxides from Heat Transfer Operations</i>
<i>Rule 9-8</i>	<i>Nitrogen Oxides Carbon Monoxide from Stationary Internal Combustion Engines</i>
<i>Rule 9-9</i>	<i>NO<sub>x</sub> from Stationary Gas Turbines</i>
<i>Rule 9-10</i>	<i>NO<sub>x</sub>/CO from Boilers/Generators-Refineries</i>

#### REGULATION X - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES

#### REGULATION XI - HARZADOUS POLLUTANTS

<i>Rule 11-7</i>	<i>Benzene</i>
<i>Rule 11-11</i>	<i>NESHAPs for Benzene Emissions from Coke</i>

#### REGULATION XII - MISCELLANEOUS STANDARDS OF PERFORMANCE

<i>Rule 12-10</i>	<i>Miscellaneous Standards of Performance Oleum Transfer Operations</i>
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**REGULATION XIII - TRANSPORTATION CONTROL MEASURES**

*Rule 13-1 Trip Reduction Requirements for Large Employers*

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#### **SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

##### REGULATION I - GENERAL PROVISIONS

*Rule 109 Record Keeping for Volatile Organic Compound Emissions*

##### REGULATION II – PERMITS

##### REGULATION III – FEES

*Rule 301 Permit Fees*

*Rule 307 Fees for Publication*

*Rule 307-1 Alternatives Fees for Air Toxic Emissions Inventory*

##### REGULATION IV – PROHIBITIONS

*Rule 401 Visible Emissions*

*Rule 402 Nuisance*

*Rule 403 Fugitive Dust*

*Rule 404 Particulate Matter – Concentration*

*Rule 405 Solid Particulate Matter - Weight*

*Rule 407 Liquid and Gaseous Air Contaminants*

*Rule 408 Circumvention*

*Rule 409 Combustion Contaminants*

*Rule 429 Start-Up and Shutdown Exemption Provisions for Oxides of Nitrogen*

*Rule 430 Breakdown Provisions*

*Rule 431-1 Sulfur Content of Gaseous Fuels*

*Rule 431-2 Sulfur Content of Liquid Fuels*

*Rule 431-3 Sulfur Content of Fossil Fuels*

*Rule 444 Open Fires*

*Rule 461 Gasoline Transfer and Dispensing*

*Rule 462 Organic Liquid Loading*

*Rule 463 Organic Liquid Storage*

*Rule 464 Wastewater Separators*

*Rule 465 Refinery Vacuum-Producing Devices or Systems*

*Rule 466 Pumps, Compressors, Valves, And Flanges*

*Rule 467 Pressure Relief Devices*

*Rule 468 Sulfur Recovery Units*

*Rule 469 Sulfuric Acid Units*

*Rule 474 Fuel Burning Equipment - Oxides of Nitrogen*

*Rule 475 Electric Power Generating Equipment*

*Rule 476 Steam Generating Equipment*

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- Rule 477     Coke Ovens*  
*Rule 480     Natural Gas Fired Control Devices*

#### REGULATION IX - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES

#### REGULATION X - NATIONAL EMISSIONS STANDARDS FOR HAZARDOUS AIR POLLUTANTS

#### REGULATION XI - SOURCE SPECIFIC STANDARDS

- Rule 1105     Fluid Catalytic Cracking Units – Oxides of Sulfur*  
*Rule 1108     Cutback Asphalt and Emulsified Asphalt*  
*Rule 1109     Emissions of NO<sub>x</sub> from Boilers & Process Heaters*  
*Rule 1110-1   Emissions from Stationary IC Engines*  
*Rule 1110-2   Emissions from Gaseous- and Liquid-Fueled IC Engines*  
*Rule 1111     NO<sub>x</sub> Emissions from Natural-Gas-Fired, Fan-Type Central  
                  Furnaces*  
*Rule 1113     Architectural Coatings*  
*Rule 1118     Emissions from Refinery Flares*  
*Rule 1119     Petroleum Coke Calcining Operations - SO<sub>x</sub>*  
*Rule 1123     Refinery Process Turnarounds*  
*Rule 1134     Emissions of Oxides of Nitrogen from Stationary Gas  
                  Turbines*  
*Rule 1135     Emissions of NO<sub>x</sub> from Electric Power Generating Systems*  
*Rule 1146     Emissions of Oxides of Nitrogen from Industrial, Institutional,  
                  and Commercial Boilers, Steam Generators, and Process  
                  Heaters*  
*Rule 1146-1   Emissions of Oxides of Nitrogen from Small Industrial,  
                  Institutional, and Commercial Boilers, Steam Generators,  
                  and Process Heaters*  
*Rule 1146-2   Emissions of Oxides of Nitrogen from Large Water Heaters  
                  and Small Boilers*  
*Rule 1149     Storage Tank Degassing*  
*Rule 1158     Storage, Handling, and Transport of Petroleum Coke*  
*Rule 1168     Adhesive and Sealant Applications*  
*Rule 1170     Methanol Compatible Fuel Storage and Transfer*  
*Rule 1173     Fugitive Emissions of Volatile Organic Compounds*  
*Rule 1176     Sumps and Wastewater Systems*  
*Rule 1186     Less-Polluting Sweepers*  
*Rule 1189     Emissions from Hydrogen Plant Process Vents*

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#### REGULATION XIII - NEW SOURCE REVIEW

#### REGULATION XIV - TOXICS AND OTHER NON-CRITERIA POLLUTANTS

- Rule 1401 New Source Review of Toxic Air Contaminants*
- Rule 1402 Control of Toxic Air Contaminants from Existing Sources*
- Rule 1410 Hydrogen Fluoride Storage and Use*

#### REGULATION XX - REGIONAL CLEAN AIR INCENTIVES MARKET (RECLAIM)

#### REGULATION XXX - TITLE V PERMITS

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#### **SAN JOAQUIN VALLEY AIR QUALITY MANAGEMENT DISTRICT**

##### REGULATION I - GENERAL PROVISIONS

<i>Rule 1080</i>	<i>Stack Monitoring</i>
<i>Rule 1081</i>	<i>Source Sampling</i>
<i>Rule 1090</i>	<i>Penalty</i>
<i>Rule 1100</i>	<i>Equipment Breakdown</i>
<i>Rule 1110</i>	<i>Circumvention</i>

##### REGULATION II - PERMITS

##### REGULATION III - FEES

<i>Rule 3010</i>	<i>Permit Fee</i>
<i>Rule 3090</i>	<i>California Clean Air Act Fees</i>
<i>Rule 3100</i>	<i>California Environmental Quality Act Fee</i>
<i>Rule 3110</i>	<i>Air Toxic Fees</i>

##### REGULATION IV - PROHIBITIONS

<i>Rule 4001</i>	<i>New Source Performance Standards</i>
<i>Rule 4002</i>	<i>National Emissions Standards for Hazardous Air Pollutants</i>
<i>Rule 4101</i>	<i>Visible Emissions</i>
<i>Rule 4102</i>	<i>Nuisance</i>
<i>Rule 4103</i>	<i>Open Burning</i>
<i>Rule 4201</i>	<i>Particulate Matter Concentration</i>
<i>Rule 4202</i>	<i>Particulate Matter Emission Rate</i>
<i>Rule 4301</i>	<i>Fuel Burning Equipment</i>
<i>Rule 4304</i>	<i>Equipment Tuning Procedures for Boilers, Steam Generators, And Process Heaters</i>
<i>Rule 4305</i>	<i>Boilers, Steam Generators &amp; Process Heaters</i>
<i>Rule 4351</i>	<i>Boilers, Steam Generators &amp; Process Heaters -RACT</i>
<i>Rule 4451</i>	<i>Valves, Pressure Relief Valves, Flanges, Threaded Connectors &amp; Process Drains at Pet Refinery &amp; Chemical Plants</i>
<i>Rule 4452</i>	<i>Pump &amp; Compressor Seals at Petroleum Refinery &amp; Chemical Plants</i>
<i>Rule 4453</i>	<i>Refinery Vacuum Producing Devices or Systems</i>
<i>Rule 4454</i>	<i>Refinery Process Unit Turnaround</i>
<i>Rule 4501</i>	<i>Alternate Compliance for Best Available Retrofit Control Technology (BARCT)</i>

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<i>Rule 4601</i>	<i>Architectural Coatings</i>
<i>Rule 4621</i>	<i>Gasoline Transfer into Stationary Storage Containers, Delivery Vessels and Bulk Plants</i>
<i>Rule 4623</i>	<i>Storage of Organic Liquids</i>
<i>Rule 4624</i>	<i>Organic Liquid Loading</i>
<i>Rule 4625</i>	<i>Wastewater Separators</i>
<i>Rule 4651</i>	<i>Volatile Organic Compound</i>
<i>Rule 4653</i>	<i>Adhesives</i>
<i>Rule 4661</i>	<i>Organic Solvents</i>
<i>Rule 4701</i>	<i>Internal Combustion Engines</i>
<i>Rule 4703</i>	<i>Stationary Gas Turbines</i>
<i>Rule 4801</i>	<i>Sulfur Compounds</i>
<i>Rule 4802</i>	<i>Sulfuric Acid Mist</i>

#### REGULATION VI – AIR POLLUTION EMERGENCY CONTINGENCY PLAN

#### REGULATION VIII – FUGITIVE PM<sub>10</sub> PROHIBITIONS

<i>Rule 8010</i>	<i>Fugitive Dust Administrative Requirements For Control Of PM<sub>10</sub></i>
<i>Rule 8020</i>	<i>Fugitive Dust Requirements for Control of PM<sub>10</sub> from Construction, Demolition, Excavation and Extraction Activities</i>
<i>Rule 8030</i>	<i>Fugitive Dust Requirements for Control of PM<sub>10</sub> from Bulk Materials</i>