

# San Joaquin Valley Unified Air Pollution Control District

## 1.0 External Combustion

### 1.1 Boilers

- 1.1.1 Natural gas or propane fired boilers/steam generators\*\* with heat input rate greater than 5 MMBtu/hr and less than or equal to 20 MMBtu/hr (11/30/2022)
- 1.1.2 Natural gas or propane fired boilers/steam generators\*\* with heat input rate greater than 20 MMBtu/hr (11/30/2022)

### 1.2 Steam Generators

### 1.3 Fluidized-bed Combustors

### 1.4 Flares

- 1.4.3 Landfill Gas Vapor Collection System (1/12/2021)
- 1.4.9 Dairy Digester Gas Backup Limited Use Flare\*\* (11/18/2024)
- 1.4.10 Dairy Digester Gas Flare (11/18/2024)

### 1.5 Furnaces

- 1.5.10 Container Glass Annealing Lehr (10/9/2018)
- 1.5.11 Container Glass Production - Mold Swabbing Operation (5/21/2020)
- 1.5.12 Secondary Aluminum Melting: Sweat Furnace, Holding Furnace and Reverb Furnace (7/7/2020)

### 1.6 Food & Ag Products Ovens, etc.

- 1.6.1 Vegetable Dry Roasting Operation (4/14/2020)
- 1.6.3 Snack Chip Fryer with Indirect-Fired Heat Transfer System (2/21/2020)
- 1.6.4 Snack Chip Oven (6/21/2023)
- 1.6.8 Pistachio Nut Column Dryer (including Silo Heaters and Sample Dryers rated < 5 MMBtu/hr) (11/1/2022)
- 1.6.11 Direct-Fired Dairy Products Spray Dryer (5/9/2019)
- 1.6.13 Dehydrator – Fruit and Vegetable (excluding onions), Continuous Belt (6/29/2026)
- 1.6.22 Wood Drying Kiln (7/1/2020)
- 1.6.24 Commercial Bakery Oven (12/30/2020)
- 1.6.25 Blood Drying Operation (12/29/2021)
- 1.6.30 Heat-Sterilizing Kiln for Wood, Gaseous Fuel Fired (3/24/2022)
- 1.6.31 Chain-driven Charbroiler (5/14/2024)

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## **1.7 Industrial Ovens**

## **1.8 Petroleum Product Combustion Devices**

- 1.8.5 Process heaters\*\* with heat input rate  $\leq$  20 MMBtu/hr (3/29/2023)
- 1.8.6 Natural Gas-Fired Process Heater ( $>$  20 MMBtu/hr) (3/1/2024)
- 1.8.7 Hydrogen Production - Steam Hydrocarbon Reformer: Process Heater (3/1/2024)

## **1.9 Misc. Combustion Devices**

- 1.9.3 Crematory (Funeral Service and Crematories, Animal Crematory) - Gaseous Fuel Fired (6/9/2022)
- 1.9.11 Commercial Laundry Dryer, Natural Gas-Fired -  $<$  5.0 MMBtu/hr (7/1/2020)

## **2.0 Remediation and Waste Disposal**

### **2.1 Soil Remediation**

- 2.1.1 Soil Remediation Operation - Thermal/Catalytic Oxidizer (3/15/2023)
- 2.1.3 Soil Remediation Operation - Activated Carbon (6/26/2025)

### **2.2 Waste Disposal**

- 2.2.3 Cheese Wastewater Digester (12/30/2021)

### **2.3 Contaminated Water Remediation**

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**3.0 Internal Combustion Engines**

**3.1 Emergency IC Engines**

- 3.1.1 Emergency Diesel-Fired IC Engine > 50 bhp Powering an Electrical Generator (4/29/2022)
- 3.1.4 Emergency Diesel-Fired IC Engine Powering a Fire Pump (3/2/2020)
- 3.1.5 Emergency Gas-Fired IC Engine (7/16/2018)

**3.2 Limited/Special Use Engines**

- 3.2.11 Transportable Compression-Ignited IC Engines (Non-Agricultural and Non-Electrical Power Generation)\*\* (11/17/2025)

**3.3 Fulltime IC Engines**

- 3.3.16 Ag Stationary Compression-Ignited IC Engine (3/20/2025)
- 3.3.19 Stationary Fossil Fuel/Digester Gas-Fired Distributed Power Generation Equipment with Reciprocating Internal Combustion Engine (< 3 MW) (3/4/2026)

**3.4 Gas Turbines**

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**4.0 Evaporative Loss Sources**

**4.1 Dry Cleaners**

4.1.2 Petroleum Solvent Dry Cleaning (6/28/2022)

**4.2 Motor Vehicle Coating**

- 4.2.1 Motor Vehicle and Mobile Equipment Coating Operations (<5.0 MMBtu/hr heater burner)\*\* (9/30/2025)
- 4.2.5 Limited Aircraft Coating Operation - Maintenance and Refinishing of Metal Parts on Aircraft, < 20 Gallons/day (9/27/2021)
- 4.2.6 Aerospace Parts Coating Operation (9/27/2021)
- 4.2.7 Solid Dry Film Based Lubricant Coating Operations for Metal Parts and Products and Aerospace Assembly and Components (9/27/2021)
- 4.2.8 Recreational Marine Vessel (Pleasure Craft) Coating (12/29/2021)
- 4.2.9 Aerospace Parts Coating Operation - Plasma Spray Application (9/27/2021)
- 4.2.10 Motor Vehicle Chassis Coating Operation - Electrodeposition with Curing Oven (9/19/2019)
- 4.2.11 Motor Vehicle Assembly (OEM) Adhesives Application Operation - Glass Installation (Non-Spray Application) (4/30/2018)
- 4.2.12 Small Scale Motor Vehicle Assembly (OEM) Coating Operation with a Booth Heater, < 2,000 lb-VOC/year (4/30/2018)

**4.3 Metal Parts and Products Coating**

- 4.3.7 Powder Coating Operation with Curing Oven (5/1/2020)
- 4.3.9 Metal Product Coating - Large Steel Structures, Indoor Operation (12/30/2020)
- 4.3.10 Metal Products Coating of Sheet Metal for Can Manufacturing at a Major Source for VOC (12/29/2021)

**4.4 Wood Parts and Products Coating**

- 4.4.2 Wood Products Coating Operation - Continuously-fed Booth, = or < 5000 square feet material coated/day (6/30/2022)

**4.5 Misc. Coating**

- 4.5.6 Coating Operation - Clay-Based, Cat Litter, Heat Dried (4/8/2020)
- 4.5.11 Roof Tile Coating, Continuous Feed Booth (9/12/2022)

**4.6 Fuel Dispensing**

- 4.6.1 Motor Vehicle Gasoline Storage and Dispensing Operation (8/24/2018)
- 4.6.4 Non-Motor Vehicle Fuel Storage and Dispensing Operation (8/24/2018)
- 4.6.5 Aviation Fuel Dispensing Facility (8/24/2018)
- 4.6.6 LPG Cylinder Refilling System (5/24/2018)

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## **4.7 Printing & Graphic Arts**

- 4.7.2 Offset Lithographic Printing - Non-Heatset Press (3/27/2026)
- 4.7.5 Heatset Flexographic Printing, multicolor (3/20/2025)
- 4.7.10 Printing Plate Manufacturing (4/27/2020)

## **4.8 Resin, Fiberglass & Plastic Products**

- 4.8.1 Fiberglass Boat Manufacturing (< 120 gallons/day and < 25 tons VOC per year) (4/27/2020)
- 4.8.2 Polyester Resin Products - Synthetic Marble Casting (12/28/2021)
- 4.8.8 Polyester Resin Application - Boat and Marine Vessel Repair Operations (Pleasure Crafts Only) (3/24/2021)
- 4.8.10 Expandable Polystyrene (EPS) Molding Operation - Pre-expander Unit (12/30/2020)
- 4.8.12 Expanded Polystyrene (EPS) Products - Reclaim Extrusion Line (6/9/2020)
- 4.8.16 Polyvinyl chloride (PVC) Products Manufacturing - Material Blending Operations (6/26/2025)
- 4.8.20 No-Bake Mold Manufacturing (8/26/2020)
- 4.8.21 Corrosion-Resistant Polyester Resin Application (6/11/2021)
- 4.8.22 Polyisocyanurate (PIR) Insulated Panel Manufacturing Operation Consisting of Pentamat, Laminator, and Panel Saws (3/20/2025)
- 4.8.24 Fiberglass Mold Manufacturing (Tooling) Operation (8/21/2020)
- 4.8.25 Pneumatic Conveying - PVC Material (4/23/2020)
- 4.8.26 Finished Polyethylene Product Storage Area (5/31/2018)

## **4.9 Adhesives**

- 4.9.1 Adhesives Application - Tire Retreading (8/21/2020)
- 4.9.6 Food-Grade Carton Manufacturing - Specialty Flexographic Printing and Coatings Application (6/10/2021)
- 4.9.12 Corrugated Box Gluer (8/29/2018)
- 4.9.13 Corrugated Board Manufacturing (Corrugator) (8/29/2018)
- 4.9.14 Wood Parts and Products Subfloor Adhesive Application Operation (6/6/2019)

## **4.10 Cleaning & Degreasing**

- 4.10.5 Solvent Wipe Cleaning - Medical Devices and Pharmaceuticals (3/20/2025)

## **4.11 Misc. Manufacturing**

- 4.11.1 Tire Manufacturing - Steel Belt Milling/Calendar (no cementing/gluing performed) (4/28/2020)
- 4.11.3 Cardboard Box Laminator (5/21/2020)
- 4.11.8 Rubber Tire Retreading - Curing Chamber (autoclave) (12/29/2021)
- 4.11.9 Rubber Tire Retreading - Buffing Operation (Tread Removal) (4/30/2020)

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**4.12 Chemical Processing**

- 4.12.1 Chemical Plants - Valves & Connectors (3/1/2024)
- 4.12.2 Chemical Plants - Pump and Compressor Seals (3/1/2024)
- 4.12.3 Chemical Evaporator/Dryer/Oven (8/28/2019)
- 4.12.4 Ethanol Fermentation Process Tanks Including: Fermentation Tanks and Beerwell Storage Tanks (7/8/2020)

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**5.0 Food and Agriculture Industry**

**5.1 Material Handling Systems**

- 5.1.2 Feed Mill - Truck Loadout (12/30/2021)
- 5.1.5 Railcar Receiving Pit - Dry Grain/Products, = or > 1,700 tons/day (4/27/2020)
- 5.1.6 Ship Unloading System - Bulk Cottonseed Receiving Hopper (4/20/2020)
- 5.1.7 Railcar Unloading - Transportable, Material Conveying Equipment (5/4/2020)
- 5.1.8 Non-Delinted Cottonseed - Truck Loadout Operation (9/27/2021)

**5.2 Nut & Grain Processing**

- 5.2.1 Almond Hulling and Shelling (9/12/2022)
- 5.2.2 Almond Processing - Sizing Operation (In-shell Almonds and Shelled Almond Meats) (6/14/2022)
- 5.2.3 Pistachio Nut Processing - Precleaning Operations, >= 375 tons/day in-hull pistachios (11/1/2022)
- 5.2.4 Feed Mill - Grain Grinding, Dry Process (3/6/2020)
- 5.2.5 Feed Mill - Grain Cleaner with Aspirator (3/6/2020)
- 5.2.8 Propylene Oxide Fumigation - Fumigation Chamber (5/14/2020)
- 5.2.9 Propylene Oxide Fumigation - Off-Gassing Process\*\* (5/14/2020)
- 5.2.12 Phosphine fumigation of nuts, dried fruit, grain, and beans (6/28/2023)
- 5.2.13 Walnut Receiving and Precleaning (3/29/2023)
- 5.2.14 Almond Receiving and Precleaning (9/12/2022)

**5.3 Cotton & Fiber Processing**

- 5.3.1 Cotton Gin Operation (6/15/2020)

**5.4 Fruit, Vegetable, Seed Processing, & Equipment**

- 5.4.1 Fruit Storage and SO<sub>2</sub> Fumigation: = or > 21,760 cu. ft. Fumigation Rooms (6/18/2020)
- 5.4.2 Fruit Drying and SO<sub>2</sub> Fumigation: = or > 21,760 cu. Ft. Fumigation Rooms (6/18/2020)
- 5.4.5 Garlic and Onion Seed Processing (4/30/2020)
- 5.4.6 Garlic Grading Line (4/30/2020)
- 5.4.8 Fruit Fumigation - Ethanol Soaking Tank (9/27/2021)
- 5.4.9 Tomato Powder Manufacturing (4/17/2020)
- 5.4.13 Wine Storage Tank - Non-Wood Material\*\* (9/7/2018)
- 5.4.15 Distilled Spirits Storage Tank (5/6/2020)
- 5.4.16 Ethanol Evaporator System (5/13/2020)
- 5.4.17 Wine Storage Tank - Wood Material (9/18/2019)

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## **5.5 Snack Food Processing**

- 5.5.3 Candy Panning (Engrossing) Operation\*\* (6/10/2020)
- 5.5.4 Candy Polishing Operation\*\* (7/1/2020)
- 5.5.5 Snack Chip Seasoning System (10/6/2022)
- 5.5.6 Snack Chip Ambient Air Cooler (10/6/2022)

## **5.6 Misc. Processes & Equip**

- 5.6.2 Animal Feed Supplement Manufacturing - Palm Oil & Calcium Oxide Process (3/12/2026)

## **5.7 Animal Feeding Operations**

- 5.7.1 Poultry Broiler House (6/22/2022)
- 5.7.2 Poultry - Layer House (6/10/2026)
- 5.7.3 Turkey House (5/7/2026)

## **5.8 Dairies/Cattle**

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**6.0 Mineral and Biomass Products**

**6.1 Sand & Gravel Operations**

- 6.1.2 Sand, Gravel, Aggregate, Recycled Asphalt & Recycled Concrete: Processing, Crushing, Screening and Storage Operations (7/31/2018)

**6.2 Portland Concrete**

- 6.2.2 Concrete Batch Plant (7/31/2018)
- 6.2.4 Portland Concrete Products Manufacturing - Tumbler (4/30/2020)
- 6.2.7 Concrete Roofing Tile Mold Releasing Oil Application Operation (12/30/2020)

**6.3 Asphaltic Concrete**

- 6.3.1 Asphaltic Concrete - Mix Plant (8/23/2018)
- 6.3.4 Asphalt Shingle Mfg. - Dry Material Receiving, Storage, and Processing Operations (10/10/2019)

**6.4 Composting & Biomass**

- 6.4.1 Transportable Screening Operation - Green Waste, Wood Waste, and Compost Materials (3/24/2022)
- 6.4.2 Tub Grinder - Transportable, Wood Waste Processing (3/10/2020)
- 6.4.3 Green Waste, Wood Waste, and Composted Material - Transfer & Screening (7/16/2018)
- 6.4.5 Biomass – Fuel Receiving, Handling, and Storage (8/24/2020)
- 6.4.8 On-Farm Dairy Manure Composting (8/26/2025)
- 6.4.10 Organic Material\* Composting, >= 50,000 ton/yr (9/29/2023)
- 6.4.11 Co-Composting with Organic Material, Biosolids, Poultry Litter or Animal Manure >= 60,000 ton/yr (3/29/2023)
- 6.4.15 Composting Feedstock Receiving, Mixing, and Stockpiles (Non-biosolids) (3/29/2023)

**6.5 Misc. Mineral Products**

- 6.5.1 Synthetic Stone Products Manufacturing (4/30/2020)
- 6.5.2 Soda Ash Loading into Cargo Ships (7/28/2021)

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**7.0 Petroleum/Gas Industry**

**7.1 Petroleum Production**

- 7.1.1 Thermally Enhanced Oil Recovery - Steam Enhanced Crude Oil Production Wells (4/7/2026)
- 7.1.7 Petroleum Production - Sludge Dewatering, Various Locations (6/15/2020)
- 7.1.8 Petroleum Production - Mobile Degassing Operation for Storage Tanks and Pipelines (2/4/2021)
- 7.1.10 Organic Liquid Loading Rack (7/19/2018)
- 7.1.14 Crude Oil Loading Rack, TVP  $\geq$  1.5 psia (12/28/2021)
- 7.1.15 Biodiesel/Glycerol Production Operation (9/15/2021)

**7.2 Petroleum Refining**

- 7.2.2 Petroleum Refining - Valves & Connectors (7/22/2020)
- 7.2.3 Petroleum Refining - Pump and Compressor Seals (7/22/2020)
- 7.2.5 Petroleum Refineries and Chemical Plants - Diesel Fuel Processing, Sulfur Recovery Plant (12/30/2020)
- 7.2.7 Natural Gas Processing Plant - Valves, Connectors, Flanges, Pressure Relief Device, Compressor Seals, and Pump Seals (8/24/2020)

**7.3 Storage Tanks**

- 7.3.3 Floating Roof Organic Liquid Storage or Processing Tank (9/1/2021)

**7.4 Hydrogen Production**

- 7.4.1 Hydrogen Production - Process Vents (3/1/2024)

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## **8.0 Miscellaneous Sources**

### **8.1 Wood and Paper Products**

- 8.1.1 Woodworking Equipment (7/19/2018)
- 8.1.3 Paper Handling - Paper Grinding Operation (3/29/2023)
- 8.1.4 Cardboard Sawing (4/17/2020)
- 8.1.5 Glass Cullet Crusher (6/15/2020)
- 8.1.6 Bulk Outdoor Glass Cullet Receiving, Handling, and Transfer Operations (6/26/2025)

### **8.2 Mineral and Metal Products**

- 8.2.1 Petroleum Coke Handling - Receiving, Storage, and Loadout (2/19/2020)

### **8.3 Specialty Sources and Operations**

- 8.3.1 Flat Glass Manufacturing - Adipic Acid Spraying System to Coat Flat Glass before Storage (4/30/2020)
- 8.3.2 Animal Rendering Operations (12/7/2022)
- 8.3.7 Plastic and Polymeric Material Processing - Grinding (9/4/2019)
- 8.3.8 Explosives Detonation Chamber (10/10/2019)
- 8.3.9 Glass Packing Operation - For Flat Glass Manufacturing (9/12/2022)
- 8.3.10 Cooling Tower - Induced Draft, Evaporative Cooling (3/24/2022)
- 8.3.11 Laser or Plasma Metal Cutting System (5/20/2024)
- 8.3.14 Tire Recycling Operation - Ground Tire Material Processing (8/28/2019)
- 8.3.19 Metal Grinding Operations (5/27/2020)
- 8.3.21 Abrasive Blasting Cabinet (4/23/2020)
- 8.3.22 Scrap Metal Shredding (7/26/2022)

### **8.4 Material Handling and Storage**

- 8.4.1 Dry Material Storage and Handling Operations (Except Grains) (6/15/2020)
- 8.4.2 Wet Material Storage and Conveying Operation (5/14/2020)
- 8.4.3 Dry Material Handling Operation - Mixing, Blending, Milling, or Storage (5/26/2020)