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DATE: October 15, 2026

TO: SJVUAPCD Governing Board

FROM: Samir Sheikh, Executive Director/APCO
Project Coordinator: Brian Clements

RE: **ITEM NUMBER 21: RECEIVE AND FILE
QUARTERLY UPDATE TO THE BEST
AVAILABLE CONTROL TECHNOLOGY (BACT)
CLEARINGHOUSE**

RECOMMENDATION:

Receive and file.

DISCUSSION:

The attached report summarizes the changes made to the District's BACT Clearinghouse as well as currently pending changes.

Attachment: BACT Clearinghouse Updates – 3rd Quarter 2026 (10 pages)

San Joaquin Valley Unified Air Pollution Control District
Governing Board Meeting
October 15, 2026

**RECEIVE AND FILE QUARTERLY UPDATE TO THE BEST
AVAILABLE CONTROL TECHNOLOGY (BACT)
CLEARINGHOUSE**

Attachment:

BACT CLEARINGHOUSE UPDATES – 3rd QUARTER 2026
(10 PAGES)

BACT Clearinghouse Updates – 3rd Quarter 2026

Revised BACT Determinations that have been made to the Clearinghouse for this quarter's update		
Guideline Number	Class and Category of Source	Revision
1.4.3	Landfill Gas Vapor Collection System	Updated Achieved-In-Practice BACT requirements as follows based on a permitted inventory as well as a review of other air district requirements and CARB and EPA BACT Clearinghouses: VOC: Use of an enclosed ultra-low NOx flare with a VOC control efficiency of $\geq 98\%$ or a controlled VOC emissions concentration of ≤ 20 ppmvd @ 3% O₂ (as hexane, equivalent to 0.038 lb-VOC/MMBtu) and a NOx emissions rate of ≤ 0.025 lb /MMBtu
1.5.13 ¹	Biochar Production using a Pyrolysis Reactor/Furnace	Updated Achieved-In-Practice BACT requirements as follows based on a permitted inventory as well as a review of other air district requirements and CARB and EPA BACT Clearinghouses: NOx: Combustion of the produced syngas within the pyrolysis chamber under controlled temperature and oxygen conditions, and 30 ppmv @ 3% O₂ or 0.036 lb./MMBtu Updated Technologically Feasible (TF) BACT requirements as follows: NOx: 90% Control (catalytic reduction device (SCR) or equal)

¹ This BACT guideline was revised on 6/22/2026, but was not included in the August 20, 2026 Quarterly BACT Update, so it is being included here for reference.

4.3.8 ²	Outdoor Metal Product Coating Operation - Large Steel Structures	Updated Achieved-In-Practice BACT requirements as follows based on a permitted inventory as well as a review of SJVAPCD and other air district requirements and CARB and EPA BACT Clearinghouses: VOC: Use of 2.3 lb.-VOC/gal (Single component Air-Dried VOC/gal (General Coating Air-Dried Coating) PM₁₀: Use of HVLP, flow, roll, dip, brush, Electrostatic or continuous coating application equipment Updated Technologically Feasible (TF) BACT requirements as follows: VOC: 1. Total enclosure (100% capture efficiency), served by a Thermal incineration, Catalytic incineration, or 2. Open paint booth (65% capture efficiency), served by a Thermal incineration, Catalytic incineration, or Carbon adsorption. PM₁₀: 1. Enclose painting operation with dry filters and the use of HVLP application equipment, or 2. Electrodeposition coating application.
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² This BACT guideline was revised on 5/28/2026, but was not included in the August 20, 2026 Quarterly BACT Update, so it is being included here for reference.

5.8.1	Dairy Milking Parlor	Updated Achieved-In-Practice BACT requirements as follows based on a permitted inventory as well as a review of SJVAPCD and other air district requirements and CARB and EPA BACT Clearinghouses: VOC: Flush or hose milking parlor before, after, or during milking each group of cows NH3: Flush or hose milking parlor before, after, or during milking each group of cows Updated Technologically Feasible (TF) BACT requirements as follows: VOC: 1. Enclosure of milking parlor with captured exhaust air vented to thermal oxidizer with minimum 93% capture and control efficiency. 2. Enclosure of milking parlor with captured exhaust air vented to biofilter with minimum 80% capture and control efficiency. NH3: Enclosure of milking parlor with captured exhaust air vented to biofilter with minimum 80% capture and control efficiency
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BACT Guidelines in Review / Development

Updated September 21, 2026

Guideline Number	Class and Category of Source	Action	Status
1.5.1	Fiberglass Production Furnace and Manufacturing Line, Natural Gas-Fired	Review and update AIP and Tech Feasible requirements	Assigned / In progress
1.6.7	Pistachio Roasting Operation	Review and update AIP and Tech Feasible requirements	Final Review in Progress
1.7.2	Oven - Plastisol curing/fusing, = or < 2.5 MMBtu/hr	Review and update AIP and Tech Feasible requirements	Assigned / In progress
1.9.1	Metal Parts Washer - Natural Gas-fired	Review and update AIP and Tech Feasible requirements	Assigned / In progress
2.1.5	Soil Remediation Operation - Above-ground Bioremediation	Review and update AIP and Tech Feasible requirements	Final Review in Progress
2.1.7	Soil Remediation Operation - Thermal Soil Desorber	Review and update VOC requirements	Final Review in Progress
2.2.2	Landfill - VOC-Contaminated Soil	Review and update VOC requirements	Final Review in Progress
4.10.1	Parts Cleaner - Electrical Components, Isopropyl Alcohol, = or > 440 sq. in. surface area of isopropyl alcohol	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.10.2	Cold cleaner/degreaser - Metal Products, Batch Loaded, = or < 1 gal/day solvent usage	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.10.3	Parts Cleaner - Rubber Parts and Products	Review and update AIP requirements	Assigned / In progress
4.10.4	Parts Cleaner/degreaser - Automotive Parts, Portable unit, < 10 Gallon remote reservoir	Review and update AIP requirements	Assigned / In progress
4.10.6	Metal Parts, Open-top, Powder Coating Stripping Tank	Review and update AIP requirements	Final Review in Progress
4.10.7	Metal Parts and Products Cleaning - Open-top, Heated, Vapor Degreaser	Review and update AIP requirements	Final Review in Progress
4.11.4	Organic Liquid Storage Tanks - Non-petroleum and non-petrochemical facilities, = or < 19,800 gallons capacity	Review and update AIP and Tech Feasible requirements	Final Review in Progress

4.11.6	Railcar Unloading - Transfer of Non-petroleum Organic Liquids into Delivery Vehicles	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.11.7	Solvent-Laden Towel Cleaning - Counting Station, < 950 lb towels/day	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.12.5	Emission Units (Excluding Wet Cake Dryer) Involved in the Ethanol Distillation and Wet Cake Process	Review and update VOC requirements	Final Review in Progress
4.12.7	Distillers Dried Grains with Solubles (DDGS) Cooler	Review and update VOC requirements	Assigned / In progress
4.12.8	Ethanol Wet Cake Storage and Loadout Operation	Review and update VOC requirements	Final Review in Progress
4.3.1	Metal Parts and Products Coating - Air Dried (excluding specialty coating as defined in Rule 4603)	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.3.11	Metal Products Coating - Touch-up, 6.2 lb VOC/day	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.3.12	Metal Products Coating - High Gloss, Air-Dried, = or < 30 lb/day Facility-wide VOC coating emissions	VOC only, as stringent as 4603	Final Review in Progress
4.3.13	Metal Products Coating - Metal Frames and Exterior Wooden Wall Panels for Modular Buildings	Review and update VOC and PM10 requirements	Final Review in Progress
4.3.14	Side Seam Stripe Spray Coating Operation for 3-Piece Metal Can Manufacturing at a Facility-wide Can Manufacturing Rate of >= 180,000 Can/hr	Review and update VOC and PM10 requirements	Final Review in Progress
4.3.15	Dip Coating of Steel Joists	Review and update VOC requirements	Final Review in Progress
4.3.16	Coated Steel Storage/Drying Operation	Review and update VOC requirements	Final Review in Progress
4.3.17	"Bright Dip" Aluminum Surface Finishing Operation	Review and update NOx and HNO3 requirements	Final Review in Progress
4.3.18	Metal Product Coating - Metal Rod Dip Coating, Air-Dried	Review and update VOC requirements	Final Review in Progress

4.3.2	Metal Parts and Products Coating - Heat Dried	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.3.6	Metal Products Coating - Shipping/Storage Containers	Review and update VOC and PM10 requirements	Assigned / In progress
4.4.1	Wood Products Coating Operation - Non-Continuous Batch Coating	Review and update VOC and PM10 requirements	Final Review in Progress
4.4.3	Wood Products Coating Operation - Custom Replica Furniture, < or = 400 lb VOC/day	Review and update VOC and PM10 requirements	Final Review in Progress
4.4.4	Wood Products Coating Operation - Exterior Wooden Wall Panels for Modular Buildings	Review and update VOC and PM10 requirements	Final Review in Progress
4.5.1	Paper Roll-Coating - Heatset	Review and update VOC and PM10 requirements	Final Review in Progress
4.5.10	Glass Bottle Coating Operation	Review and update VOC requirements	Assigned / In progress
4.5.2	Coating Operation - Large Concrete Structure Manufacturing, Outdoor Application	Review and update VOC and PM10 requirements	Final Review in Progress
4.5.3	Coating Operation - Fiberglass Utility Poles, = or > 90 lb/day of VOC emissions	VOC and PM10, no AIP listed	Final Review in Progress
4.5.4	Plastic Parts and Products Coating	VOC and PM10	Final Review in Progress
4.5.5	Coating Operation - Small Concrete Products	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.5.7	Coating of Flat Sheet Glass (for non-transparent coatings)	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.5.8	Weatherproofing Coating Application (Electronic Components)	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.5.9	Vinyl Window and Patio Door Assembly Glazing Table	Review and update VOC requirements	Final Review in Progress
4.6.3	Motor Vehicle Gasoline Storage and Dispensing Operation - Bulk plants with Diesel fuel switch loading	Review and update VOC requirements	Final Review in Progress
4.7.1	Offset Lithographic Printing - Publication Printing, High-end Graphics, Heatset using with a Drying Oven	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.7.11	Rotogravure Printing Operation	Review and update VOC requirements	Final Review in Progress

4.7.13	Glass and Plastic Bottle Printing – Heat-dried	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.7.16	Rotogravure Printing Operation Low Porosity Substrate - High End Graphics	Review and update VOC requirements	Final Review in Progress
4.7.6	Screen Printer with natural gas-fired dryer	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.7.7	Screen Print - Ultraviolet (UV) coating with Curing Lamp(s)	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.7.8	Printing Operation - Data and Communication Cable Insulation,	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.8.11	Polyester Resin Application - Concrete Block Surface Laminating, = or < 4000 Blocks laminated/day	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.8.13	Polyethylene Foam Extrusion Operation	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.8.14	Expanded Polystyrene Products - Fluff Storage Silo, = or < 18 tons of foam /day	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.8.15	Existing Polystyrene Foam Sheet Extrusion Operation – Using VOC Blowing Agents to Produce Food Service Products.	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.8.17	Polyethylene Products Manufacturing - Rotational Molding Operation	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.8.18	Expanded Polystyrene Foam Products - Vertical, water-quenched extruder; food-grade products	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.8.19	Fiberglass-reinforced Composite Products – Pultruded, heat set resin products	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.8.23	Finished Product Storage Area	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.8.3	Polyester Resin Products - Compression Molding of Plumbing Fixtures with fillers mixed in a closed system, = or < 2,900 gallons resin/day	Review and update AIP and Tech Feasible requirements	Final Review in Progress

4.8.4	Polyester Resin Products - Gel Coating of Plumbing Fixtures = or < 100 gallon resin/day	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.8.5	Polyester Resin Products - Chop Spray, Spray, and Hand Lay-Up, < or = 600 gallons resin/day	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.8.6	Fiberglass Products Manufacturing - Utility Poles, = or < 6,000 lb/day of raw resin	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.8.7	Fiberglass Products Manufacturing - Fiberglass Mat Dryer and Curing Oven	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.8.9	Fiberglass Products Manufacturing - Fiberglass Mat Forming	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.9.10	Adhesive Application for Multi-Wall Packaging Manufacturing	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.9.11	Adhesive Application Operation - Bonding of Fiberglass Boat Hulls and Decks, Non-Atomizing Application	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.9.2	Adhesive Application Operation - Rubber Parts and Products, Brush Applied	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.9.3	Adhesive Application Process - Foam Products	Review and update AIP and Tech Feasible requirements	Assigned / In progress
4.9.4	Adhesive Application Process - Non-Porous Materials, Specialty Contact Adhesives, Spray Application	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.9.5	Adhesive Application Process - Wooden case manufacturing	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.9.7	Corrugated PVC Sheet Products - Special Contact Adhesive, Roller Applied	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.9.8	Adhesive Application Process – Wooden Door Assembly, Roller applied	Review and update AIP and Tech Feasible requirements	Final Review in Progress
4.9.9	Adhesive Application Process - Vinyl Door and Window Assembly, Non-Spray Applied	Review and update AIP and Tech Feasible requirements	Assigned / In progress
5.1.1	Feed Mill - Dry Grain Transfer from Receiving Pit to Storage, = or > 4,000 tons/day	Review and update PM10 requirements	Assigned / In progress

5.1.3	Grain & Feed Transfer Operation - Transportable Auger	Review and update PM10 requirements	Final Review in Progress
5.1.4	Receiving and Storage and Operation - Corn, > or = 112 tons/day	Review and update PM10 requirements	Final Review in Progress
5.2.7	Grain Cooler - Feed Mill, Steam Softened for Grain Rolling or Pelletizing Operations	Review and update AIP requirements	Assigned / In progress
5.3.3	Cotton Seed Delinting	Review and update AIP requirements	Assigned / In progress
5.3.4	Vegetable/Cotton Seed Decortication Process, > or = 1400 tons/day	Review and update AIP requirements	Assigned / In progress
5.4.10	Dried Fruit SO2 Fumigation Operation	Review and update AIP requirements	Final Review in Progress
5.4.11	Onion Grading and Packing Line	Review and update AIP requirements	Final Review in Progress
5.4.14	Wine Fermentation Tank	Review and update AIP VOC requirements	Assigned / In progress
5.4.3	Dry Bean Processing - Methyl Bromide Fumigation Chamber, < or = 14,400 cubic feet	Review and update VOC requirements	Final Review in Progress
5.5.1	Snack Chip Steam-heated Conditioning Units - Fryer and De-oiler	Review and update AIP requirements	Final Review in Progress
5.6.3	Animal Feed Supplements - Steam-Heated Molasses Cooker	Review and update AIP requirements	Final Review in Progress
6.1.6	Bulk Storage and Handling - Non-White Commodities* One Acre or Greater Storage Area	Review and update PM10 requirements	Assigned / In progress
6.2.6	Portland Concrete Batch Plant - Auger Mixing System, = or < 360 cy/day	Review and update PM10 requirements	Final Review in Progress
7.1.2	Thermally Enhanced Oil Recovery - Small Producer, Cyclic Injected Steam Enhanced Oil Well Pilot Test, < or = 10 Cyclic Wells, < or = 180 days of Total Operation	Review and update AIP and Tech Feasible requirements	Assigned / In progress
7.1.3	Petroleum Production - Small Producers, Cyclic Wells, < or = 4 Cyclic Wells	Review and update AIP requirements	Assigned / In progress

7.2.6	Petroleum Refineries and Chemical Plants - Diesel Fuel Processing, Sulfur Recovery Plant, = or > 20 tons Sulfur/day	Review and update AIP requirements	Final Review in Progress
7.3.1	Petroleum and Petrochemical Production - Fixed Roof Organic Liquid Storage or Processing Tank, < 5,000 bbl Tank capacity	Review and update VOC requirements	Final Review in Progress
7.3.2	Petroleum and Petrochemical Production - Fixed Roof Organic Liquid Storage or Processing Tank, ≥ 5,000 bbl Tank capacity	Review and update VOC requirements	Final Review in Progress
8.1.2	Corrugated Cardboard Manufacturing - Waste Handling System	Review and update PM10 requirements	Final Review in Progress
8.2.2	Chrome Plating Operation - Hard Chrome Plating, = or > 5.00 MM Amp-hr/yr	AIP for new BACT as rule compliant	Final Review in Progress
8.2.3	Chrome Plating Operation - Decorative Chrome Plating	AIP for new BACT as rule compliant	Final Review in Progress
8.2.4	Chrome Plating Operation - Limited Operation (= or < 500,000 Amp-hr/yr)	AIP for new BACT as rule compliant	Final Review in Progress
8.3.13	Carpet Padding Manufacturing – Fabric Fiber Separating Operation	PM10 only, 95% Control	Assigned / In progress
8.3.20	On-line Chemical Vapor Deposition Process	Review and update PM10, VOC, HCL requirements	Assigned / In progress
8.3.3	Standby LPG Fuel Supply System - = or > 30 MMBtu/hr	Review and update AIP requirements	Assigned / In progress
8.4.4	Mulch and Soil Bagging Operation (Receiving, Outdoor Storage, and Bagging Line Hopper)	Review and update PM10 requirements	Assigned / In progress