



GOVERNING BOARD

Amy Shuklian, Chair
Supervisor, Tulare County

Bobby Macaulay, Vice Chair
Supervisor, Madera County

Vito Chiesa
Supervisor, Stanislaus County

David Couch
Supervisor, Kern County

Rosa Escutia-Braaton
Councilmember, City of Modesto

Deborah Lewis
Mayor Pro Tem, City of Los Banos

Buddy Mendes
Supervisor, Fresno County

Tania Pacheco-Werner, PhD.
Appointed by Governor

Lloyd Pareira
Supervisor, Merced County

Gilberto Reyna
Mayor Pro Tem, City of Wasco

Robert Rickman
Supervisor, San Joaquin County

Rusty Robinson
Supervisor, Kings County

Jose Rodriguez
Councilmember, City of Madera

Alexander C. Sherriffs, M.D.
Appointed by Governor

Liz Wynn
Vice Mayor, City of Visalia

DATE: August 20, 2026

TO: SJVUAPCD Governing Board



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

RE: **ITEM NUMBER 24: 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.

Samir Sheikh
Executive Director
Air Pollution Control Officer

Northern Region Office
4800 Enterprise Way
Modesto, CA 95356-8718
(209) 557-6400 • FAX (209) 557-6475

Central Region Office
1990 East Gettysburg Avenue
Fresno, CA 93726-0244
(559) 230-6000 • FAX (559) 230-6061

Southern Region Office
34946 Flyover Court
Bakersfield, CA 93308-9725
(661) 392-5500 • FAX (661) 392-5585

Attachment: BACT Clearinghouse Updates – 2nd Quarter 2026 (12 pages)

San Joaquin Valley Unified Air Pollution Control District
Governing Board Meeting
August 20, 2026

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

Attachment:

BACT CLEARINGHOUSE UPDATES – 2nd QUARTER 2026
(12 PAGES)

BACT Clearinghouse Updates – 2nd 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
1.6.13	Fruit and Vegetable Dehydrator, Continuous Process	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: NO_x: Burner(s) with emissions ≤ 0.036 lb-NO_x/MMBtu VOC: PUC quality natural gas fuel PM₁₀: PUC quality natural gas fuel Updated Technologically Feasible (TF) BACT requirements as follows: PM₁₀: 1: Baghouse (for material handling) 2: Cyclone (for material handling) Updated Technologically Feasible (TF) and Alternate Basic Equipment (ABE) BACT requirements as follows: NO_x: TF: Burner(s) with emissions ≤ 0.011 lb-NO_x/MMBtu ABE: Electric heater

5.7.2	Poultry – Layer House	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: PM10: - Enclosed housing with mechanical ventilation and computerized control of environmental conditions using sensors; AND - Belt manure removal and aeration/drying system with belts that advance at least a full length every 48 hours and manure removal at least twice per week; AND - Directing poultry house exhaust to a system that reduces PM10 emissions by at least 40% (Manure drying tunnel(s), Dry filter(s) using centrifugal force, or equivalent) VOC: - Enclosed housing with mechanical ventilation and computerized control of environmental conditions using sensors; AND - Belt manure removal and aeration/drying system with belts that advance at least a full length every 48 hours and manure removal at least twice per week; AND - Applicable District Rule 4570 Feed and Housing Mitigation Measures; AND - All mortality removed from houses at least once per day NH3:
-------	-----------------------	---

		- Enclosed housing with mechanical ventilation and computerized control of environmental conditions using sensors; AND - Belt manure removal and aeration/drying system with belts that advance at least a full length every 48 hours and manure removal at least twice per week; AND - Applicable District Rule 4570 Feed and Housing Mitigation Measures; AND - All mortality removed from houses at least once per day Updated Technologically Feasible (TF) BACT requirements as follows: PM10: 1. 85% Control (Capture and Electrostatic Precipitator) 2. 80% Control (Capture and Wet Scrubber) 3. 70% Control (Capture and High Efficiency Cyclones or Cyclonic De-Duster) VOC: 1. 80% Control (Capture and Biofiltration) 2. 70% Control (Capture and Wet Scrubber) NH3: 1. 80% Control (Capture and Biofiltration or Wet Scrubber)
--	--	--

5.7.3	Turkey House	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: PM10: - Use of the following poultry house design and management practices: a. Weatherproof housing structure; AND b. Minimum disturbance of manure/litter; AND c. Covering manure/litter stockpiles VOC: - Use of the following poultry house design and management practices: a. i) Enclosed housing with mechanical ventilation and computerized control of environmental conditions using sensors; or ii) use of acidifying litter amendments; AND b. Compliance with applicable District Rule 4570 Feed and Housing Mitigation Measures; AND c. Houses completely cleaned out at least twice per year; AND d. All mortality removed from houses at least once per day NH3: - Use of the following poultry house design and management practices: a. i) Enclosed housing with mechanical ventilation and computerized control of environmental conditions using sensors; or ii) use of acidifying litter amendments; AND
-------	--------------	---

		b. Compliance with applicable District Rule 4570 Feed and Housing Mitigation Measures; AND c. Houses completely cleaned out at least twice per year; AND d. All mortality removed from houses at least once per day Updated Technologically Feasible (TF) BACT requirements as follows: PM10: 1. 85% Control (Capture and Electrostatic Precipitator) 2. 80% Control (Capture and Wet Scrubber) 3. 70% Control (Capture and Cyclones) 4. 40% Control (Dry Filters Using Centrifugal Force for PM Removal) VOC: 1. 80% Control (Capture and Biofiltration) 2. 70% Control (Capture and Wet Scrubber) NH3: 80% Control (Capture and Biofiltration or Wet Scrubber)
--	--	---

BACT Guidelines in Review / Development

Updated July 7, 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
4.3.8	Metal Product Coating - Large Steel Structures, < 64 lb VOC/day, Outdoor Coating Operation	Review and update AIP and Tech Feasible requirements	Final Review 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