

San Joaquin Valley
Unified Air Pollution Control District

Best Available Control Technology (BACT) Guideline 2.1.1*

Last Update: 3/15/2023

Soil Remediation Operation - Thermal/Catalytic Oxidizer

Pollutant	Achieved in Practice or contained in the SIP	Technologically Feasible	Alternate Basic Equipment
VOC	98.5% overall capture and control for VOC inlet concentrations $\geq 2,000$ ppmv; 97% overall capture and control for VOC inlet concentrations $< 2,000$ ppmv and ≥ 200 ppmv; 95% overall capture and control for VOC inlet concentrations < 200 ppmv		

BACT is the most stringent control technique for the emissions unit and class of source. Control techniques that are not achieved in practice or contained in a State Implementation Plan must be cost effective as well as feasible. Economic analysis to demonstrate cost effectiveness is required for all determinations that are not achieved in practice or contained in an EPA approved State Implementation Plan.

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San Joaquin Valley
Unified Air Pollution Control District

Best Available Control Technology (BACT) Guideline 2.1.3*

Last Update: 6/26/2025

Soil Remediation Operation - Activated Carbon

Pollutant	Achieved in Practice or contained in the SIP	Technologically Feasible	Alternate Basic Equipment
VOC	<p>VOC concentration =<10 ppmv at outlet of control device; or >=98.5% capture and control efficiency if inlet VOC concentration >=2,000 ppmv;</p> <p>97% overall capture and control for inlet VOC concentrations <2,000 ppmv and >=200 ppmv; and</p> <p>95% overall capture and control for VOC inlet concentrations <200 ppmv</p>		

BACT is the most stringent control technique for the emissions unit and class of source. Control techniques that are not achieved in practice or contained in a State Implementation Plan must be cost effective as well as feasible. Economic analysis to demonstrate cost effectiveness is required for all determinations that are not achieved in practice or contained in an EPA approved State Implementation Plan.

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San Joaquin Valley
Unified Air Pollution Control District

Best Available Control Technology (BACT) Guideline 2.2.3*

Last Update: 12/30/2021

Cheese Wastewater Digester

Pollutant	Achieved in Practice or contained in the SIP	Technologically Feasible	Alternate Basic Equipment
VOC	Enclosed flare with a VOC control efficiency of 98% by weight or VOC emissions =< 20 ppmv @ 3% O2	Ultra low emissions flare with a VOC control efficiency >= 99% by weight or VOC emissions =< 20 ppmv @ 3% O2, and NOx emissions =< 0.025 lb/MMBtu	
SOx	99% H2S removal (dry or wet scrubber)		

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