

Solvent Cleaning and Degreasing

Notes: South Coast Rules 1122 and 1171, scheduled to take effect January 1, 1999, represent the most effective strategy for reducing emissions from this category. Several districts are considering the adoption of standards similar to those contained in these South Coast rules.

Table I
Identification of Performance Standards
Source Category: Solvent Cleaning and Degreasing

Regulated Component	Pollutant	Rule/Measure/Date							
		SCAQMD Rule 1122 Effect. January 1,1999		SCAQMD Rule 1171 Effect. January 1, 1999		BAAQMD Rule 8-16 Effect. September 1, 1999			
		Performance Standard							
Vapor Degreasers	VOCs	95% control of VOC emissions							
Remote Reservoir Cold Cleaners	VOCs		Clean Air Solvent or VOC limit: 50 g/l		VOC limit: 50 g/l (one remote reservoir cold cleaning unit per facility is exempt from this requirement.)				
Cold Cleaners	VOCs	Clean Air Solvent or VOC limit: 50 g/l			VOC limit: 50 g/l (one cold cleaning unit per facility is exempt from this requirement.)				

Table II
Identification of Achievable Performance Standards
Source Category: Solvent Cleaning and Degreasing

Rule/Measure	Rule/Measure				
	SCAQMD Rule 1122	SCAQMD Rule 1171	BAAQMD Rule 8-16		
Exemptions	<p>Solvent Cleaning operations:</p> <ol style="list-style-type: none"> 1) using Clean Air Solvents or a degreasing material containing less than 50 g/l VOCs; 2) unheated batch-loaded cold cleaners ≤ 1 ft² and ≤ 2 gallons capacity; 3) vapor degreasers until Jan 1, 2003 with surface areas less than 1.0 sq ft, a capacity less than 2 gallons, the equipment is used for electrical, high precision optics or electronics, aerospace and military applications for solar cell, laser hardware, space vehicle components, fluid systems, R&D, or lab tests in QA; and 4) degreasers using halogenated solvents subject to the federal NESHAP for halogenated solvent cleaning. 	<p>Operations subject to Rules 1102, 1115, 1122, 1141, 1141.1, 1164, and 1421. Cleaning of solar cells, laser hardware, scientific instruments, high precision optics, polycarbonate plastics, conducting high performance laboratory tests on coatings, adhesives, or ink;</p>	<ol style="list-style-type: none"> 1) Wipe cleaning; 2) Semiconductor solvent cleaning; 3) Aerospace stripping operations; 4) emulsion or solution cleaners; 5) stripping operations 6) dry cleaning operations. <p>limited exemptions:</p> <ol style="list-style-type: none"> 1) small, unheated solvent cleaners; 2) compounds with low volatility; 3) one cold cleaning unit per facility; 4) any permitted cold cleaning. 		

Table II
Identification of Achievable Performance Standards
Source Category: Solvent Cleaning and Degreasing

Rule/Measure	Rule/Measure				
	SCAQMD Rule 1122	SCAQMD Rule 1171	BAAQMD Rule 8-16		
Applicability	VOC solvent cleaning operations using batch-loaded cold cleaners, open-top vapor and conveyORIZED degreasers, and air-tight or airless cleaning systems.	VOC solvent cleaning operations during production, repair, maintenance, or servicing operations. Including the use of remote reservoir cold cleaners.	VOC cold, vapor, and conveyORIZED solvent cleaning operations.		
Comments	Most other districts' rules for these categories are quite dated, therefore, it would be inappropriate to list them for comparison purposes. However, several districts are considering the adoption of standards similar to these.				