

# **Gasoline Terminals and Bulk Plants**

**Table I**  
**Identification of Performance Standards**  
**Source Category: Gasoline Terminals and Bulk Plants**

Regulated Component	Pollutant	Rule/Measure/Date											
		SCAQMD Rules 461, 462, and 463	SJVUAPCD Rules 4621, 4623, and 4624	SMAQMD Rules 446, 447, and 448	VCAPCD Rules 70 and 71.2	40 CFR Part 63 Subpart R							
		Performance Standard											
<i>Terminals</i>													
Storage Tank Filling	VOC	X						External floating roof w/ two-seal closure; fixed roof w/ internal floating roof; or fixed roof w/ 95-percent efficient vapor control and continuous monitor.	External floating roof w/ two-seal closure; fixed roof w/ internal floating roof; or fixed roof w/ 95-percent efficient vapor control.	External floating roof w/ two-seal closure; fixed roof w/ internal floating roof; or fixed roof w/ 95-percent efficient vapor control.	External floating roof w/ two-seal closure; fixed roof w/ internal floating roof; or fixed roof w/ 95-percent efficient vapor control.	X	External floating roof w/ two-seal closure; fixed roof w/ internal floating roof; or fixed roof w/ 95-percent efficient vapor control and continuous monitor.
Storage Tank Standing	VOC	X						External floating roof w/ two-seal closure; fixed roof w/ internal floating roof; or fixed roof w/ 95-percent efficient vapor control and continuous monitor.	External floating roof w/ two-seal closure; fixed roof w/ internal floating roof; or fixed roof w/ 95-percent efficient vapor control.	External floating roof w/ two-seal closure; fixed roof w/ internal floating roof; or fixed roof w/ 95-percent efficient vapor control.	External floating roof w/ two-seal closure; fixed roof w/ internal floating roof; or fixed roof w/ 95-percent efficient vapor control.	X	External floating roof w/ two-seal closure; fixed roof w/ internal floating roof; or fixed roof w/ 95-percent efficient vapor control and continuous monitor.
Delivery Vessel Loading	VOC	X						Bottom loading; "CARB-certified;" 0.08 lbs/1000 gals; and continuous monitor.	Bottom loading; "CARB-certified;" 0.08 lbs/1000 gals.	"CARB-certified;" 0.08 lbs/1000 gals.	Bottom loading; "CARB-certified;" 0.08 lbs/1000 gals.		0.08 lbs/1000 gals; and continuous monitor.
<i>Bulk Plants</i>													
Storage Tank Filling	VOC	X	X	X	X			"CARB-certified" 95-percent efficient	"CARB-certified" 95-percent efficient	"CARB-certified" 95-percent efficient	"CARB-certified" 95-percent efficient		

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		SCAQMD Rules 461, 462, and 463		SJVUAPCD Rules 4621, 4623, and 4624		SMAQMD Rules 446, 447, and 448		VCAPCD Rules 70 and 71.2		40 CFR Part 63 Subpart R	
		Performance Standard									
			vapor recovery system.		vapor recovery system.		vapor recovery system.		vapor recovery system.		
Storage Tank Standing	VOC	X	Fixed roof w/ p-v valve, 95-percent efficient vapor recovery system.	X	Fixed roof w/ p-v valve, 95-percent efficient vapor recovery system.	X	Fixed roof w/ p-v valve, 95-percent efficient vapor recovery system.	X	Fixed roof w/ p-v valve, 95-percent efficient vapor recovery system.		
Delivery Vessel Loading	VOC		Bottom loading; “CARB-certified” 90-percent efficient vapor recovery system.	X	95-percent efficient vapor recovery system.		“CARB-certified;” 0.6 lbs/1000 gals.		“CARB-certified” 90-percent efficient vapor recovery system.		

**Table II**  
**Identification of Performance Standards**  
**Source Category: Gasoline Terminals and Bulk Plants**

Rule/Measure	Rule/Measure				
	SCAQMD Rules 461, 462, and 463	SJVUAPCD Rules 4621, 4623, and 4624	SMAQMD Rules 446, 447, and 448	VCAPCD Rules 70 and 71.2	40 CFR Part 63 Subpart R
<b>Exemptions</b>	Filling, used $\geq 75$ percent for implements of husbandry.  Loading, $\leq 500,000$ gals/yr throughput.	Filling, none.  Loading, none.	Filling, used primarily for implements of husbandry.  Loading, none.	Filling, used exclusively for ag. ops, $\leq 1500$ gals capacity, and $\leq 10,000$ gals/30 days. Loading, $\leq 200,000$ gals/12 mo, or exclusively vessels that serve exempt containers.	Facilities for which potential to emit hazardous air pollutants is less than 25 tpy.
<b>Applicability</b>	Gasoline storage tanks, tank trucks, trailers, and railroad tank cars.	Gasoline storage tanks, tank trucks, trailers, and railroad tank cars.	Gasoline storage tanks, tank trucks, trailers, and railroad tank cars.	Gasoline storage tanks, tank trucks, trailers, and railroad tank cars.	Bulk gasoline terminals and pipeline breakout stations.
<b>Comments</b>	See below.	See below.	See below.	See below.	See below.

- SCAQMD      Rule 461 --      GASOLINE TRANSFER AND DISPENSING (1/9/76, 9/3/76, 2/4/77, 11/18/77, 2/3/78, 1/5/79, 5/4/79, 12/7/79, 1/16/81, 10/15/82, 11/1/85, 3/4/88, 7/7/89, 9/8/95)
- Rule 462 --      ORGANIC LIQUID LOADING (1/9/76, 5/5/78, 10/14/79, 4/4/86, 12/7/90, 6/9/95)
- Rule 463 --      ORGANIC LIQUID STORAGE (8/15/77, 6/1/84, 12/7/90, 3/11/94)
- SJVUAPCD    Rule 4621 --     GASOLINE TRANSFER TO STATIONARY STORAGE CONTAINERS, DELIVERY VESSELS, AND BULK PLANTS (4/11/91, 9/19/91, 12/17/92, 5/20/93)
- Rule 4623 --     STORAGE OF ORGANIC LIQUIDS (4/11/91, 9/19/91, 12/17/92)
- Rule 4624 --     ORGANIC LIQUID LOADING (4/11/91, 9/19/91, 12/17/92)
- SMAQMD      Rule 446 --      STORAGE OF PETROLEUM PRODUCTS (6/1/74, 8/3/77, 11/29/83, 12/4/90, 11/16/93)

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	Rule 447 --	ORGANIC LIQUID LOADING (1/14/74, 12/6/78, 5/15/79, 8/31/82, 11/29/83, 11/20/84, 4/18/89, 4/3/90, 4/30/91, 11/16/93, 9/5/96, 4/3/97)
	Rule 448 --	GASOLINE TRANSFER INTO STATIONARY STORAGE CONTAINERS (2/5/75, 9/15/75, 8/3/77, 9/2/80, 12/17/91, 2/2/95)
VCAPCD	Rule 70 --	STORAGE AND TRANSFER OF GASOLINE (6/25/74, 9/16/75, 4/13/76, 7/6/76, 3/8/77, 6/14/77, 3/27/79, 12/2/80, 7/5/83, 11/29/88, 5/4/93, 5/9/95,
	Rule 71.2 --	STORAGE OF REACTIVE ORGANIC COMPOUND LIQUIDS (6/20/78, 7/10/79, 7/5/83, 11/22/88, 9/26/89)
40 CFR Part 63, Subpart R --		NATIONAL EMISSION STANDARDS FOR GASOLINE DISTRIBUTION FACILITIES (BULK GASOLINE TERMINALS AND PIPELINE BREAKOUT STATIONS) ( <u>Federal Register</u> Vol. 59, No. 239, 12/14/94)

CH&SC 41954. (a) The state board shall adopt procedures for determining the compliance of any system designed for the control of gasoline vapor emissions during gasoline marketing operations, including storage and transfer operations, with performance standards which are reasonable and necessary to achieve or maintain any applicable ambient air quality standard.

...

(c) The state board shall certify, in cooperation with the districts, any gasoline vapor control system, upon its determination that the system, if properly installed and maintained, will meet the requirements of subdivision (a). The state board shall enumerate the specifications used for issuing the certification...

(d) The state board may test, or contract for testing, gasoline vapor control systems for the purpose of certifying them.

...

CH&SC 41962. (a) ...the state board shall adopt test procedures to determine the compliance of vapor recovery systems of cargo tanks on tank vehicles used to transport gasoline with vapor emission standards which are reasonable and necessary to achieve or maintain any applicable ambient air quality standard...

(b) The state board may test, or contract for testing, the vapor recovery system of any cargo tank of any tank or any tank vehicle used to transport. The state board shall certify the cargo tank vapor recovery system upon its determination that the system, if properly installed and maintained, will meet the requirements of subdivision (a). The state board shall enumerate the specifications used for issuing such certification...

(c) ...certification...shall be done annually...