

Status of Existing Refinery Measures (October 2003)

Control Measures

The Bay Area 2001 Ozone Attainment Plan included four measures for controls on refineries. The control measures are:

- Improved Storage of Organic Liquids Rule (SS-12)
- Petroleum Refinery Flare Monitoring (SS-15)
- Low-Emission Refinery Valves (SS-16)
- Improved Process Vessel Depressurization Rule (SS-17).

The storage tank measure was adopted through rule amendments to Reg. 8, Rule 5 in November 2002. The flare monitoring measure was adopted as a new District rule in June 2003 (Reg. 12, Rule 11). The two other refinery control measures are scheduled for adoption in 2003, and workshops are set as shown below.

Further Study Measures

The 2001 Plan also included four further study measures committing the District to investigate the potential for emission reductions from four different types of refinery emission sources. The further study measures are:

- Refinery Pressure Relief Valves, Blowdown Systems, and Flares (FS-8)
- Refinery Wastewater Systems (FS-9)
- Organic Liquid Storage Tanks (FS-10)
- Marine Tank Vessel Activities (FS-11).

To study these emission sources, the District convened workgroups for the measures and began meeting in January 2002. The workgroups include District staff, ARB staff, refinery personnel, and members of environmental groups. Over 50 meetings have been conducted since early 2002. As a result of the further study efforts, District staff believe that amendments to some of the District's rules for refinery sources will produce additional emission reductions. District staff have developed draft rule language and scheduled workshops to discuss these proposals as shown in the table below:

Refinery Rule Workshops

Workshop	Location	Date & Time	2001 Measure #
Marine Loading (Reg. 8, Rules 44 and 46)	Crockett: Crockett Community Center, 850 Pomona St.	Oct. 16, 2003 6:00 p.m.	FS-11
Process Vessel Depressurization (Reg. 8, Rule 10), and Equipment Leaks (Reg. 8, Rule 18)	Crockett (same as above)	Oct. 28, 2003 5:30 p.m.	SS-16 SS-17
Flare Controls	Crockett (same as above)	Oct. 23, 2003 6:00 p.m.	FS-8
	San Pablo: Maple Hall Civic Center, 13831 San Pablo Ave.	Oct. 29, 2003 6:00 p.m.	
	Benicia: City Council Chambers, 250 East "L" St.	Nov. 5, 2003 6:00 p.m.	
	Martinez: City Council Chambers, 525 Henrietta St.	Nov. 6, 2003 6:00 p.m.	

Work continues on the further study measures for which rule amendments have not yet been recommended. For the wastewater further study (FS-9), the wastewater "front end" has been studied, and amendments requiring controls on process drains are being considered. For the storage tank further study (FS-10), a technical assessment document is nearing completion and will be presented to the workgroup.