



Marine Safety Center Vapor Control System (VCS) Plan Review Information Sheet (PRIS)



Vessel Name	0
Official Number	0

Shipyard	Jeffboat
Hull Number	02-2967 & 02-2968

1. This sheet consolidates critical VCS parameters for MSC Staff Engineers and CG Field Inspectors dealing with Vapor Control Systems. CG Inspectors should verify the vessel's VCS design is consistent with the information listed in boxes 2, 6, 7 & 8 prior to updating the vapor control endorsement on the vessel's Certificate of Inspection. For cases where the information in the VCS PRIS does not reflect the vessel's design the CG Inspector should contact the MSC's Cargo Authority branch.

2. Tank Maximum Design Working Pressure 3.58 psig Raised Trunk
Flush Deck

3. Authorized Maximum Cargo Transfer Rate 4285 bbl/hr

4. Authorized Maximum Cargo Density 0.239 lbm/ft³

5. Authorized VCS Categories 1 thru 7

6. Cargoes with the highest vapor density and/or pressure drop:
 a. Cargo Name Dodecylbenzene
 b. Cargo Name Gasoline

7. Pressure Vacuum Valve:		8. VCS Pipe Sizes:	
Manufacturer	BERGAN KLPH-6	Settings in psig:	Approx. Inside Diameter
Size	6 Inch	Pressure-side	Longitudinal Header (inches)
CG Approval	Yes	Vacuum-side	Transverse Header (Inches)
			8
			8
Required Venting Capacity of Pressure-Side of P/V valve		9045	bbl/hr (air)
Required Venting Capacity of Vacuum-Side of P/V valve		4285	bbl/hr (air)

9. Tank Overfill Protection System (check appropriate box or boxes)

a. High Level/Tank Overfill Alarr	<input checked="" type="checkbox"/>	Type	0
b. Overfill Control Shutdown	<input checked="" type="checkbox"/>	Type	0
c. Spill Valve	<input type="checkbox"/>	Type	0
d. Rupture Disk	<input type="checkbox"/>	Type	0

Meets ASTM F1271 N/A

10. Closed Gauging Verify the vessel has closed gauging that satisfies 46 CFR 39.20-3 and 151.15-10(c).

11. Instructions/Guidelines for the OCMI:

11a. The following is the Marine Safety Center's recommended COI endorsement
 "Only those cargoes named in the vessel's Cargo Authority Attachment, Serial #C2-0300544, dated 22Apr2003, may be carried and then only in the tanks indicated. In accordance with 46 CFR Part 39, excluding part 39.40, this vessel's vapor control system has been inspected to the plans approved by Marine Safety Center letters Serial #: E2-0304361 dated 18Mar2003 and C2-0300544, dated 22Apr2003, and found acceptable for collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column."

11b. The Marine Safety Center approval letter/s must be available at the OCMI's request.

11c. Verify isolation valve at the vapor connection flange is manually operable and designed in a way it is "clearly" open or closed.

11d. Previous applicable VCS approval letters: None

VCS Approval Letter C2-0300544, dated 22Apr2003

MSC Plan Reviewer LT Ray Lechner

**CBC 132 and CBC 133
02-2967 and 02-2968
4,285 BBL/HR MAX TRANSFER RATE**

