

Marine Vessel Loading Calculations Template (2 pages)

For each product loaded, complete the information listed below and specify actual values (not permitted values).

For further guidance on Marine Vessel Loading emissions, refer to EPA's AP-42 [Chapter 5.2: Transportation and Marketing of Petroleum Liquids](#).

Guidance can also be found in the [Emissions Inventory \(EI\) Guidelines Technical Supplement 5, Marine Facilities](#).

Loading Data Summary Table

Table 1-Data Inputs

Company Name:	Site Name:	RN:
FIN:	EPN:	
Data Inputs		
Cargo Carrier type (ship or barge):		
Product Type Loaded/Unloaded:		
Previous Cargo (indicate one): • volatile • nonvolatile		
Barge/Ocean Tank Condition (indicate one): • Uncleaned • Ballasted • Cleaned or gas freed		
Saturation factor (S) used in loading emission calculations:		
Arrival factor (CA) used in loading emission calculations:		
	Value	Units
Volume of product loaded/unloaded annually:		thousands of gallons
Volume of product loaded/unloaded May-Sept:		thousands of gallons
True Vapor Pressure of loaded product (P):		psia
Molecular weight of vapors (M):		lb/lbmole
Temperature of vapors:		degrees Fahrenheit (°F)
Controls		
Are loading operations controlled? (yes/no):		
Vapor collection efficiency (%):		
Control efficiency of control device (%):		
Components in product loaded		

Company Name:	Site Name:	RN:
List components and their weight fractions in the product loaded (especially benzene, toluene, ethylbenzene, xylene (BTEX), other hazardous air pollutants (HAPs), and air toxics)	Component	Weight percent