

Marine Vessel Loading Calculations Template

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:

- Section 5.2 of EPA’s Compilation of Air Pollutant Emission Factors, Volume I: Stationary Point and Area Sources (AP-42), with supplements (updated continually)—available at www.epa.gov/ttn/chief/ap42/index.html
- Current year Emissions Inventory (EI) Guidelines, Technical Supplement 5, Marine Facilities: <http://www.tceq.texas.gov/airquality/point-source-ei/psei.html>

Loading Data Summary Table

Company Name:	Site Name:	RN:
FIN:	EPN:	CIN:
Data Inputs		
Cargo Carrier type (ship or barge):		
Product Type Loaded/Unloaded:		
Previous Cargo (indicate one):		
<ul style="list-style-type: none"> • volatile • nonvolatile 		
Barge/Ocean Tank Condition (indicate one):		
<ul style="list-style-type: none"> • 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 (%):		
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	