

Part 8 Sector Specific Requirements

Sector Q – Water transportation

Sector-specific requirements only apply to those areas where the sector-specific activities occur



- Marinas
- Vessels carrying passengers
- Vessels carrying freight
- Tugs

Activities NOT covered by MSGP

- Bilge water
- Ballast Water
- Pressure Wash Water
- Sanitary Waste
- Cooling Water



Part 8 Sector Specific Requirements¹

Sector Q – Water Transportation

Parameter	Benchmark ²
Total Aluminum	0.75 mg/l
Total Iron	1.0 mg/l
Total Lead	0.21 mg/l
Total Zinc	0.09 mg/l
Total Copper	0.004 mg/l

- Marinas
- Vessels carrying passengers
- Vessels carrying freight
- Tugs



1. http://water.epa.gov/polwaste/npdes/stormwater/upload/msgp2015_part8.pdf
2. <http://water.epa.gov/scitech/swguidance/standards/criteria/current/index.cfm#cmc>

Where do the benchmark values come from?

Parameter	Benchmark	Source
Total Aluminum	0.75 mg/l	freshwater acute value
Total Iron	1.0 mg/l	freshwater chronic value
Total Lead	0.21 mg/l	saltwater acute value
Total Zinc	0.09 mg/l	saltwater acute value
Total Copper	0.0048 mg/l	saltwater acute value



Acute = no effect from brief exposure
Chronic = no effect from indefinite exposure



Part 8 Sector Specific Requirements¹

Sector R – Ship and Boat Building and Repair Yards

Parameter	Benchmark
Total Aluminum	0.75 mg/l
Total Iron	1.0 mg/l
Total Lead	0.21 mg/l
Total Copper	0.004 mg/l



Monitoring Requirements

Section 6.2.1.2

- In Massachusetts, there is a change in this section:
- All four of the quarterly benchmarks must be met, before no further monitoring is required.



How to Control Exceedances?

- ✓ Prevent stormwater from coming into contact with pollutants
- ✓ Minimize impervious areas
- ✓ Infiltrate runoff
- ✓ Use vegetated swales to intercept stormwater
- ✓ Conserve or restore riparian buffers

