

How can we keep our waterways clean?

September 2016

Fact sheet 2: Sewage discharge restrictions for 'declared ships'

Transport Operations (Marine Pollution) Act 1995

Transport Operations (Marine Pollution) Regulation 2008

The information provided in this fact sheet refers to all ships that are 'declared ships'.

Declared ships have a fixed toilet, and are:

- domestic commercial vessels with a certificate of operation issued, or taken to be issued, under the *Marine Safety (Domestic Commercial Vessel) National Law Act 2012* stating it is a class 1B, 1C, 1D, 1E, 4C, 4D or 4E ship; or
- other Queensland regulated ships regulated under the *Transport Operations (Marine Safety) Act 1994* and *Transport Operations (Marine Safety) Regulation 2016* designed to carry more than 12 passengers.

Because declared ships have the capacity to generate greater volumes of sewage, the requirements for declared ships are more stringent than those for other ships.

What is sewage?

Any waste from toilets or urinals, but does not include grey water from sinks or showers. Sewage is defined either as treated or untreated. There are three grades of treated sewage: A, B or C. Grading is based on the on board treatment of waste and the system's ability to reduce the characteristics of the sewage, such as bacterial numbers.

Sewage discharged from ships can be detrimental to the marine environment and human health. It is illegal to discharge sewage into 'nil discharge' waters. As a result, ship owners and operators must modify their sewage management practices or risk facing heavy fines.

Prohibited discharge waters

'Prohibited discharge waters' form part of the larger 'nil discharge waters'. No sewage (either treated or untreated) is permitted to be discharged into prohibited discharge waters (see below). Prohibited discharge waters include boat harbours, canals, marinas, the Noosa River and the following designated areas of state marine parks:

- the marine national park zone described in the *Marine Parks (Moreton Bay) Zoning Plan 2008*
- the marine national park zone, under the *Marine Parks (Great Sandy) Zoning Plan 2006*, located near Burkitt's Reef, Hoffman's Rocks or Barolin Rock, adjacent to the Woongarra Coast
- an area within the Great Barrier Reef Coast Marine Park described in schedule 8 of the *Transport Operations (Marine Pollution) Regulation 2008*.

Treated sewage discharge restrictions – nil discharge waters

Treated sewage (sewage that **has** passed through a certified sewage treatment system) can be discharged beyond specified distances from sensitive areas dependent on the grade of treatment. Grade A treated sewage can be discharged anywhere except **prohibited discharge waters** (see above).

Once outside prohibited discharge waters, Grade B treated sewage can be discharged beyond 700 metres (m) and Grade C treated sewage discharged beyond 0.5 of a nautical mile (nm) (926m) from a person in the water, aquaculture fisheries resources (for example, an oyster lease), or a reef.

Untreated sewage discharge restrictions – nil discharge waters

Untreated sewage (sewage that has **not** passed through a certified sewage treatment system) cannot be discharged in prohibited discharge waters, smooth waters, Hervey Bay waters or northern Moreton Bay waters.

In open waters, untreated sewage can be discharged beyond specified distances of sensitive areas as follows:

For ships with 1–6 persons on board

- nil discharge within 0.5nm (926m) of a wharf or jetty (other than a jetty that is a marina)
- nil discharge within 1nm (1852m) of aquaculture fisheries resources (for example, oyster leases or fish farms)

For ships with 7–15 persons on board, as above plus

- nil discharge within 1nm (1852 metres) of a reef or the mean low water mark of an island or the mainland.

For ships with 16 or more persons on board – Nil discharge anywhere in Queensland coastal waters.

Macerators

Ships with a fixed toilet must be fitted with a macerator which must not be able to be bypassed. In waters where the discharge of sewage is permitted, any sewage discharged from a fixed toilet must first pass through a macerator. This assists in dispersion and improves visual amenity for all waterway users.

Note – sewage that has been macerated only, is not ‘treated sewage’.

Onboard documents

Declared ships are required to have on board a shipboard sewage management plan with details as described in section 49 of the *Transport Operations (Marine Pollution) Regulation 2008* and to maintain a sewage disposal record book as specified in sections 51 and 52 of the regulation.

Declared ships fitted with a treatment system are required to have onboard system documentation and manuals for operating and maintaining the system with particulars as described at section 56 of the *Transport Operations (Marine Pollution) Regulation 2008* and to maintain and assess the treatment system as per section 55 of the regulation.

Sewage holding devices

Declared ships operating in nil discharge waters are required to be fitted with a sewage holding device. It must be appropriate to the person capacity of the ship and the duration of the ships journey in nil discharge waters. Examples of a sewage holding device range from a portable toilet to a holding tank.

How can I determine the best sewage management measures?

Ship chandlers stock a range of sewage management devices. Some companies manufacture and distribute a range of treatment systems to suit a variety of requirements and budgets. Boating and yacht club representatives, operators of commercial ships and marine dealerships may be able to provide advice from personal experience and industry knowledge.

Where can I get more information?

- Information is available from the Maritime Safety Queensland website at www.msq.qld.gov.au.
- The sewage legislation requirements are part of the *Transport Operations (Marine Pollution) Act 1995* and *Transport Operations (Marine Pollution) Regulation 2008*. This legislation can be accessed at www.legislation.qld.gov.au.
- Refer to the Quick reference guide – discharge of treated or untreated sewage from ‘declared ships’ below.

Quick reference guide – discharge of treated or untreated sewage from ships other than ‘declared ships’ (January 2016)

Nil discharge waters – discharge restrictions for declared ships

Nil discharge waters are waters where the discharge of sewage is not permitted. The discharge restrictions for nil discharge waters are based on the type of sewage being discharged (treated or untreated) and the type of vessel from which the sewage is being discharged (a 'declared ship', or a 'ship other than a declared ship' (all other ships)).

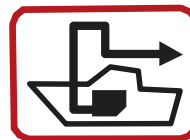
Type of waterway Sensitive area	Prohibited discharge waters	Smooth waters	Hervey Bay waters	Northern Moreton Bay waters	Open waters
Person in the water	Treated and untreated (nil)	Grade A (0m) Grade B (700m) Grade C (926m) Untreated (nil)	Grade A (0m) Grade B (700m) Grade C (926m) Untreated (nil)	Grade A (0m) Grade B (700m) Grade C (926m) Untreated (nil)	Grade A (0m) Grade B (700m) Grade C (926m) Untreated (nil)**
Aquaculture fisheries resource (such as an oyster lease or fish farm)	Treated and untreated (nil)	Grade A (0m) Grade B (700m) Grade C (926m) Untreated (nil)	Grade A (0m) Grade B (700m) Grade C (926m) Untreated (nil)	Grade A (0m) Grade B (700m) Grade C (926m) Untreated (nil)	Grade A (0m) Grade B (700m) Grade C (926m) Untreated (1852m) Untreated (nil)**
Reef	Treated and untreated (nil)	Grade A (0m) Grade B (700m) Grade C (926m) Untreated (nil)	Grade A (0m) Grade B (700m) Grade C (926m) Untreated (nil)	Grade A (0m) Grade B (700m) Grade C (926m) Untreated (nil)	Grade A (0m) Grade B (700m) Grade C (926m) Untreated (1852m)* Untreated (nil)**
Mean low water mark of island or mainland	Treated and untreated (nil)	Treated (no restrict.) Untreated (nil)	Treated (no restrict.) Untreated (nil)	Treated (no restrict.) Untreated (nil)	Treated (no restrict.) Untreated (1852m)* Untreated (nil)**
Wharf or jetty (other than jetty that is a marina)	Treated and untreated (nil)	Treated (no restrict.) Untreated (nil)	Treated (no restrict.) Untreated (nil)	Treated (no restrict.) Untreated (nil)	Treated (no restrict.) Untreated (926m) Untreated (nil)**

926m = 0.5nm / 1852m = 1nm

* <7 persons on board

** 7 to 15 persons on board

*** 16 or more persons on board



Pump out to shore facilities

NOTE – this fact sheet is provided as a guide only. For complete details, ship owners and operators should obtain copies of the *Transport Operations (Marine Pollution) Act 1995* and *Transport Operations (Marine Safety) Regulation 2008*