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**ALL MARINE SOLUTIONS**  
NEWSLETTER 1802



## Bad Odour in Vessel

Bad odour in a vessel is almost always associated with the toilet system in the vessel. Other than the obvious leakage faults, the following highlights a few common causes of bad odour from a toilet system.

### **Scenario 1**

If the bad odour appears to occur when the toilet has not been flushed for a few days, and the odour resembles the smell of rotten eggs, then it is likely that the seawater in the toilet has been left stagnant for too long. As seawater is naturally populated by bacteria, the lack of oxygen in it will result in the colony growing and producing a pungent gas. The solution to this is to flush the toilet as often as possible. Alternatively, the toilet system can be configured to use freshwater to flush as freshwater contains less amount of bacteria.

### **Scenario 2**

Where there is bad odour that comes and goes, and is particularly obvious when the toilet is flushed, it is very likely that it is venting out through the breather. The odour filter in the breather is most likely expired or contaminated. The pungent gas is being pushed out from the holding tank when the toilet is flushed. Odour filter is recommended to be replaced annually or when it is flooded.

### **Scenario 3**

Sewage treatment systems are designed to break down organic waste and eliminate the production of bad odour from micro organisms in the holding tank. If bad odour is still present, the fault in the treatment system will need attention.

### **Scenario 4**

The least obvious cause of bad odour is the permeation of odour through the walls of plumbing hoses. A simple

way to test this is to soak a piece of rag with warm water and wrap it around the hose for a few minutes. Place the rag into a sealed plastic bag. Take this bag away from the boat. Open the bag and check if there is a trace of sewage odour. If there is, the hoses will need to be replaced.

***What we like to offer to encourage boat users to improve the overall integrity of their toilet systems...***

- **Free toilet system assessment and recommendation** for vessels within Gold Coast region(excluding disassembling of equipment to gain visual access or further assessment).
- **Free TMC standard bowl toilet** for every **Minisan Grade C Sewage Treatment System** installed by AMS. If other toilet version is preferred, AMS will reimburse 50% of the toilet retail price. This becomes a perfect opportunity to replace or upgrade the existing toilet when the Minisan Grade C Sewage Treatment System is installed.

The period of offer commences from now to 30th June 2018.

Call **07 5665 8166** or email [info@allmarinesolutions.com.au](mailto:info@allmarinesolutions.com.au) for further information.