

# Bayview Marina



# Cyclone Emergency Response Plan

## November 2009

## CYCLONE EMERGENCY RESPONSE PLAN SUMMARY

### Stages of Cyclone Warning Advice

*(Issued by Bureau of Meteorology for the Gulfs of Carpentaria, Van Diemen, Joseph Bonaparte, Beagle or Arafura Sea or Timor Sea that could affect the Marina operations)*

**Cyclone Watch** – expect cyclone activity within 48 hours.

**Cyclone Warning** – expect cyclone activity within 24 hours

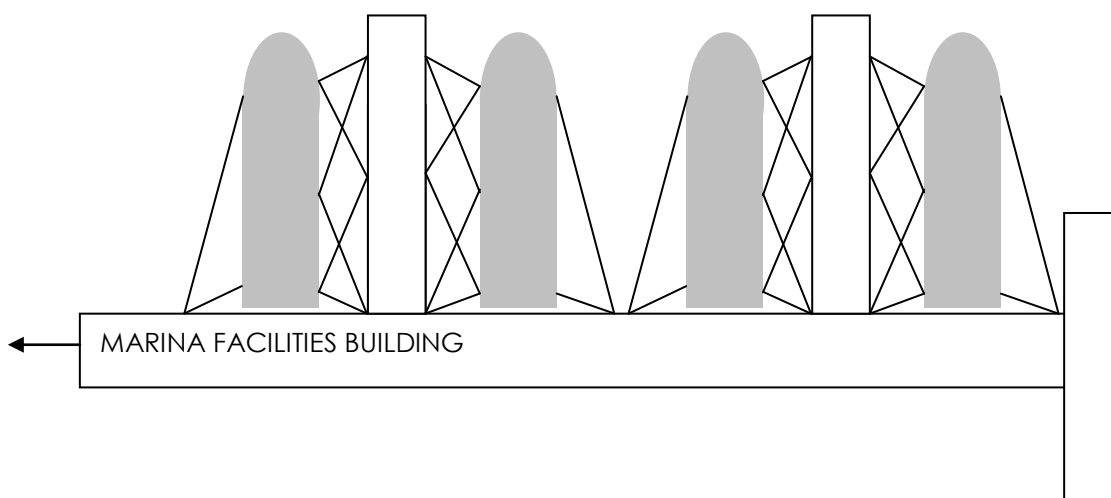
**Cyclone Imminent** – expect cyclone activity within 6 –12 hrs

**Cyclone All Clear** – cyclone activity is no longer a threat

### **CYCLONE WATCH** (Destructive Winds within 48 hours)

Inform Marina users that an advice has been issued by the Bureau of Meteorology.

Advise boat owners that their craft as a minimum must be secured as per configuration shown below;



For the cleaning up of possible projectiles on building site within the Bayview Marina Estate contact WorkSafe NT ph: 1800 019 115.

### **CYCLONE WARNING** (Destructive Winds within 24 hours)

*The level of water in the Marina will be dropped to 6.2 meters chart datum and electrical power and water to the berths could be turned off at any time depending on conditions, but will definitely be turned off when a cyclone is due within 6 hours.*

Live-a-board tenants must secure their vessel and arrange accommodation elsewhere in case the "Cyclone Warning" is upgraded to "Cyclone Imminent".

Boats from the Marina that are currently not moored in the Marina are to be informed, that in case the conditions should deteriorate to a "Cyclone Imminent", it may not be possible to admit the vessel to the Marina.

### **CYCLONE IMMINENT** (Destructive Winds within 6 - 12 hours)

Boat owners to ensure that their vessel is secure and the wind load is reduced to an absolute minimum.

Live-a-board tenants must seek shelter elsewhere now.

All dinghies to be removed from Marina or alternatively, securely tied up and submerge in the water.

Power and water to the Lock, Marina Berths and Boardwalk will be turned off.

Final check of the Marina by the Lockmaster, staff and marina users will be ordered off the premises.

Emergency Services Co-ordinator and the Port of Darwin's Operations Manager/Harbour Master are advised that the Bayview Marina is now "locked down".

**CYCLONE ALL CLEAR**

Marina will reopen after the area has been declared safe.

Vessels that wish to leave the Marina, after the Port of Darwin has been declared open, must contact the Harbour Master's Office and receive permission and updates on navigational hazards in the Harbour.

**Useful Information**

Estimated Mooring Loads as advised by American Boat and Yacht Council

<b>Boat Length</b>	<b>Wind Speed</b>			
	<b>95km/h</b>	<b>115km/h</b>	<b>180km/h</b>	<b>235km/h</b>
<b>15 metres</b>	2,250 kgs	4,500 kgs	9,500 kgs	12,700 kgs
<b>12 metres</b>	1,600 kgs	2,950 kgs	4,500 kgs	6,750 kgs
<b>9 metres</b>	900 kgs	1,600 kgs	2,250 kgs	2,750 kgs

**Categories of Cyclones**

<b>Category</b>	<b>Wind Speed in km/h</b>	<b>Effect to water craft</b>
1	90-125	Boats may drag moorings
2	125-164	Small boats may break moorings
3	165-224	Some boats destroyed
4	225-279	Many boats destroyed
5	>280	Catastrophic