

Marine Pollution Incident (MPI) Area V

MPERSS STATUS – BRAZIL REPORT

1. Status

The Marine Meteorological Service (MMS) operated by the Navy Hydrographic Center (NHC) supports the Marine Emergency Response Support System (MPERSS) for the Marine Pollution Incident (MPI) Area V by supplying essential environmental information. The MMS works in close conjunction with the Marine Rescue Coordination Center (MRCC) at the Naval Operations Command. The Naval Operations Command is the Marine Pollution Emergency Response Authority for MPI Area V.

The MMS provides the following meteorological elements:

- wind speed and direction;
- air temperatures;
- sea surface temperature;
- wave parameters;
- visibility;
- weather parameters (fog and precipitation);
- overall weather conditions.

The MMS operates a hydrodynamic model for the Southern and Southeastern coast of Brazil, which generates current predictions. The MMS is currently working to operationally implement the GNOME (General NOAA Oil Modeling Environment) model for any specific pollution incidents in the MPI Area V which may arise.

3. Future needs and Requirements

- Approval by the federal government to implement the Brazilian work plan for MPERSS;
- Capacity building in running and understanding the oil spill model appropriately;
- Capacity building in remote-sensing for better interpretation of oil slicks;
- Hydrodynamic modelling at ports;
- Human resources to deal with pollution models at the MMS.

4. Supporting Services

The MMS is prepared to provide tailored atmospheric and wave forecasts in the Atlantic Ocean (South of 15°N), to support a marine emergency.