

Standard Operating Procedure

BOOMS - SOLID BUOYANCY (SHORELINE RESPONSE)



Equipment Description

This oil boom is typically used for rapid deployment in sheltered water areas, ports and harbours for the protection of resources.

Technical Specification

Weight: 80kg per length
Length: 30m
Connection type: ASTM

Health and Safety



To safely deploy this equipment 2 to 4 people are required

Safe Operating Requirements

- All personnel are to be trained or under the close supervision of a trained operator
- Job Safety Analysis (JSA) to be conducted prior to work commencing. Identification of the following safety factors are critical, but not limited to:
 - o Manual Handling,
 - o Slips/Trips/Falls,
 - o Vehicle/Vessel Movements,
 - o Pinch Points and Personnel
 - o Contamination/Decontamination.
- Ensure adequate Personal Protective Equipment (PPE) is worn – as detailed above.
 - o * Life jackets must be worn near water depending on operation.
- A communication plan must be decided upon to ensure clear and concise communication at all times
- All incidents, accidents and near misses must be reported as per AMOSC HSSE Plan.

Operational instructions

Pre-use checks

- Test the communication plan for shoreline to vessel communications

Operation

Preparation for Deployment of Boom

- For shoreline response, the boom is launched/retrieved from a beach, a boat ramp or an elevated structure.
- Determine the amount of boom to be deployed and unpack the appropriate number of lengths.
- Ensure all lengths of boom are in an operational condition.
- Join the lengths of boom, ensuring that the ASTM connectors are correctly connected and secured with the retaining pins.
- Attach a towing bridle to each end of the full length of boom. Ensure that a tow line and anchor are attached to the bridle of the seaward end of the boom.
- Boom to be flaked out ready for towing (See Picture 1 below)



Caution The attachment points for anchor lines are at the waterline on the boom connectors. Do not attach anchor lines to the handholds or ballast chain.

Deployment of Boom

- Pass a 'messenger line' from the shore to the vessel to enable the vessel to retrieve the towline
- Using the tow line, tow the boom into the water using the towing vessel.
- Tow the boom to a suitable position and anchor in the desired configuration

Note – Additional anchors may be required to secure the boom in location

Retrieval of Boom

- To facilitate recovery of the boom, weight the anchor using the tagline.
- Proceed with towing of the boom towards the shoreline. Once in close proximity to the shore, pass the tagline to responders on shore to proceed with the recovery of boom.

Caution If the boom has been contaminated with oil, care must be exercised when retrieving the boom to avoid causing secondary contamination. Ground sheet/Sorbent boom/bunded area should be used to mitigate this. If the boom is contaminated with oil, roll it onto a ground sheet and take it to a bunded cleaning station to be washed.

Post operation – Contaminated boom

- Establish a bunded cleaning station.
- Place the boom in the bunded cleaning station and wash with detergent and fresh water as required.
- Boom to be dry prior to maintenance inspection, re-stowage and storage

Note - Maintenance of the boom is to be performed as listed below.

Post operation – Uncontaminated boom

- The boom should be laid out and washed with fresh water.
- Boom to be dry prior to maintenance inspection, re-stowage and storage

Note - Maintenance of the boom is to be performed as listed below.

Additional Information

Maintenance

- All maintenance and repairs are to be completed in accordance with either the manufacturer or AMOSC procedures.
 - All equipment must be left in an operational condition when not in use.
 - All defects must be repaired or the equipment is to be “tagged out” for maintenance and repair.
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Related Documents

AMOSC HSSE Plan
PN08 - HSSE Policy
AMOSC JSA Template
PN 11 AMOSC Vehicle Use Policy (AMOSC Vehicle Checklist / AMOSC Load Assessment Checklist)
SOP 1001 Ops; Forklift Operations
SOP 1002 Ops; Loading and Securing of Cargo
SOP 1003 Ops; Transporting Equipment To/ From Warehouse
AMOSC Deployment Guide – Operations (IMO 1) Beach Deployment
AMOSC Deployment Guide – Man_C2 (IMO 2_3) Beach Deployment