

Biofouling Record Book - Cross Checking

General: BFRB keeps the overall record of ship-specific biofouling management activities. It is mandatory for every ship with a Biofouling Management Plan (BFMP). All BFM activities should be recorded there. The responsibility of its completion falls to the shipowners, ship operators and/or shipmasters.

Each entry should contain information about the ship's id and status, the different areas affected and the activities performed at them, the date and duration of the activity, its location etc. Some of those entries are accompanied by reports, if a more detailed description is needed (e.g. Divers Service Report).

Record Book Part 1: Proactive/Reactive Cleaning (A1/A2) and Inspection (B)

Each of these categories needs the following information:

- Date and location in which the activity took place.
- Method used (A: +manufacturer and model of cleaning method used -if not in BFMP- A2: +capture device and company, B: + tools/devices).
- Area of the ship (inspected or cleaned).
- Biofouling condition (rating etc.)
- AFS condition (B).
- Reference to supporting evidence/reports/images.
- Name, position and signature of the person in charge.

For (A) additional information has to be passed:

- Records of permits required.
- Description of hull and niche areas cleaned.
- Biofouling condition after cleaning.
- Reference to test standard of the method (if not in BFMP).

Table of BIOFOULING MANAGEMENT ACTIVITIES. It contains the following columns:
Date | Code (letter) | Item (number) | Record of activity / Signature of officer in charge

Record Book Part 2: Monitoring of biofouling risk parameters

This contains all categories for cases deviating from the BFMP. Actions:

1. Date/period and description of any observed reduction of the efficacy, damage or deviation from maintenance/service to anti-fouling coating (AFC) during its lifetime.
2. Date/period and description of any operation beyond expected lifetime.
3. Contingency actions taken to minimize biofouling accumulation (e.g. more frequent inspections).
4. Date/period and location where any AFC maintenance or repair was performed.
5. Records of maintenance.
6. Name, position and signature of the person in charge.

A) Ship operating outside the expected operating profile (specified in BFMP):

date, duration and location of operating outside and inline with the BFMP, reason why, actions to minimize BF (e.g. frequent inspections).

B) Maintenance or damage to AFC:

1, 2, 3, 4, 6, description of any AFC (type, area, location, percentage cover, thickness), reference to any supporting data for AFC maintenance

C) Maintenance/service or downtime/malfunction of MGPS:

1, 2, 3, 5, 6, date and location when the system was not operating in line with BFMP.

D) Maintenance/service or downtime/malfunction of other AFS: 1, 2, 3, 5, 6

E) Deviation from regular use of expected proactive cleaning as specified in the BFMP:

Date, location, actions, date cleaning was completed, ref to A1.

F) Deviation from necessary reactive cleaning as specified in the BFMP:

Date, location, actions, date cleaning was completed, ref to A2.

G) When the ship is idle (berthed, anchored, moored) for a longer period:



Date, location, BF pressure, actions and precautions, date back to normal.

H) When the ship has performance loss as per Performance Monitoring System for a period beyond the expected period as specified in the BFMP:

Date and location of the anomaly, inspections or actions taken place before, actions after and date back to normal.

The same table as RB1 is filled for the categories A-I.

In reality, the tables that are formed are of the following shape:

Date	Item (number)	Record of management actions	Signature of officers in charge
31.03.2023	2.5a	Monthly Record of the current of digital display of the MGPS in the relevant form (PMS E-016)	C/E 
30.04.2023	2.5a	Monthly Record of the current of digital display of the MGPS in the relevant form (PMS E-016)	C/E 

They contain the date and a number (description of the task?) along with the details and actions, followed by the position and signature of the person in charge.

They do not contain all the information required, which might come in other forms (BFMP, divers report, cleaning report etc.) and possibly combined to form the whole image.