

Annex 1

Standard Pollution Observation/Detection Log

HELCOM BONN AGREEMENT BARCELONA CONVENTION **STANDARD POLLUTION OBSERVATION/DETECTION LOG** NO POLLUTION DETECTED

REPORTING AUTHORITY	AIRCRAFT REG	MISSION No	CAPTAIN	CO PILOT	OPERATOR	OBSERVER	DAY	DATE	MONTH	YEAR

FLIGHT TYPE	ROUTE / AREA	TIME OVER THE SEA DAY		TIME OVER THE SEA NIGHT		TOTAL TIME OVER THE SEA	
		hrs	mins	hrs	mins	hrs	mins

No	AREA CODE	TIME UTC	POSITION		DIMENSIONS		AREA COVER %	OILED AREA km ²	OIL APPEARANCE COVERAGE (PERCENTAGE - %)						MINIMUM VOLUME m ³	MAXIMUM VOLUME m ³	COMBAT Y / N
			LATITUDE 'NORTH'	LONGITUDE 'EAST/WEST'	LENGTH km	WIDTH km			1	2	3	4	5	Oth			

No	POLL TYPE	DETECTION						PHOTO	VIDEO	FLIR	WEATHER					REMARKS	
		SLAR	IR	UV	VIS	MW	LF	Y / N	Y / N	Y / N	WIND	CLOUD	VIS	SEA	Wx		
											°						
											°						
											°						
											°						
											°						

No	REMARKS	OIL APPEARANCE TABLE			
		No	OIL APPEARANCE DESCRIPTION	MINIMUM VOLUME m ³ / km ²	MAXIMUM VOLUME m ³ / km ²
		1	SHEEN	0.04	0.30
		2	RAINBOW	0.30	5.00
		3	METALLIC	5.00	50.0
		4	DISCONTINUOUS TRUE COLOUR	50.0	200
		5	TRUE COLOUR	200	>200

Annex 2

Standard Pollution Observation/Detection Log Completion Guide

STANDARD POLLUTION OBSERVATION/DETECTION LOG COMPLETION GUIDE

HELCOM:	Tick HELCOM Box if the flight is in HELCOM Area
BONN AGREEMENT:	Tick BONN AGREEMENT Box if flight is in BA area
BARCELONA CONVENTION:	Tick BARCELONA CONVENTION Box if flight is in Med Area
NO POLLUTION DETECTED:	Tick NO POLLUTION DETECTED if no pollution is detected
REPORTING AUTHORITY:	National Authority Responsible for Pollution Control.
AIRCRAFT REG:	Aircraft Registration Letters / Numbers.
MISSION No:	Nationally Assigned Mission Number.
FLIGHT TYPE:	National Designation for Flight Type as follows: NAT - National REG - Regional EXER - Exercise OPS - Operational Flight. RIG - Oil Rig Patrol SHIP - Shipping Patrol TDH - Tour de Horizon Flight CEPCO - Co-ordinated Extended Pollution Control Operation
CAPTAIN OF AIRCRAFT:	Name of Captain
CO PILOT:	Name of Co Pilot
OPERATOR:	Name of Operator
OBSERVER:	Name of Observer
DAY:	Number Assigned to the Day of the Week as follows: Monday - 01 Tuesday - 02 Wednesday - 03 Thursday - 04 Friday - 05 Saturday - 06 Sunday - 07
DATE/MONTH/YEAR:	Two number designation for each of date/month/year of Flight
ROUTE/AREA:	Flight Route or Area
TIME OVER THE SEA – DAY:	Time over the Sea during Daylight
TIME OVER THE SEA – NIGHT:	Time over the Sea at Night
TOTAL TIME OVER SEA:	Total time between Coasting Out and Coasting In.
No:	Number allocated to pollution detection.
AREA CODE:	The international telephone code for the country (Area) in which the pollution is located: Bonn Agreement

Belgium	32	Denmark	45
France	33	Germany	49
Ireland	353	Netherlands (Kingdom of the)	31
Norway	47	Sweden	46
United Kingdom	44		

HELCOM

Estonia	372	Denmark	45
Finland	358	Germany	49
Latvia	371	Lithuania	370
Poland	48	Russian Federation	7
Sweden	46		

Barcelona Convention

Albania	355	Algeria	213
Bosnia and Herzegovina	387	Croatia	385
Cyprus	357	Egypt	20
France	33	Greece	30
Israel	972	Italy	39
Lebanon	961	Libya	218
Malta	356	Monaco	377
Montenegro	382	Morocco	212
Slovenia	386	Spain	36
Syrian Arab Republic	963	Tunisia	216
Türkiye	90		

- TIME UTC:** Time of pollution detection.
- POSITION:** Latitude and longitude of pollution (degrees, minutes and seconds // WGS / 84 Datum).
- DIMENSIONS:** Length and width of pollution in kilometres.
- AREA COVER %:** Observer's assessment of the percentage of the boxed dimensioned area (length x width), covered with pollution.
- OILED AREA:** Oiled Area covered with pollution; calculated by multiplying length, width and cover %
- Example:
- Length x Width x Cover %
- 2 km x 1 km x 50%, gives...
- [2.0] x [1.0] x [0.5]
- = Oiled Area = 1 km²
- OIL APPEARANCE COVERAGE %:** Allocation of Percentage of the 'Oiled Area' to the Appearance of the pollution.
- Example:
- 1/2 cover - Rainbow - Column 2 = 50%
- 1/4 cover - Metallic - Column 3 = 25%
- 1/4 cover - True Colour - Column 5 = 25%
- MINIMUM VOLUME:** Minimum Quantity of Oil Pollution in cubic metres. Calculated as follows:
- [Oiled Area] x [Appearance Code Minimum Thickness Value] X [Decimal Percentage of Appearance].
- [1 km²] x [0.3 m³/km²] x [0.50] = 0.15 m³
- [1 km²] x [5.0 m³/km²] x [0.25] = 1.25 m³
- [1 km²] x [200 m³/km²] x [0.25] = 50 m³

Minimum Total Quantity = $[0.15] + [1.25] + [50] = 51.4 \text{ m}^3$

MAXIMUM VOLUME:

Maximum Quantity of Oil Pollution in cubic metres.

Calculated as follows:

$[Oiled \text{ Area}] \times [Appearance \text{ Code Maximum Thickness Value}]$

$\times [Decimal \text{ Percentage of Appearance}]$.

$[1 \text{ km}^2] \times [5.0 \text{ m}^3/\text{km}^2] \times [0.50] = 2.5 \text{ m}^3$

$[1 \text{ km}^2] \times [50 \text{ m}^3/\text{km}^2] \times [0.25] = 12.5 \text{ m}^3$

$[1 \text{ km}^2] \times [>200 \text{ m}^3/\text{km}^2] \times [0.25] = > 50 \text{ m}^3$

Maximum Total Quantity = $[2.5] + [12.5] + [>50] = > 65 \text{ m}^3$

No:

The same number as previously allocated to the pollution detection.

POLLUTION TYPE:

Pollution Type as follows:

OIL - Oil

CHEM - Chemical

FISH - Fish Oil or Waste

VEG - Vegetable Oil or Waste

OTH - Other (Amplify in Remarks)

UNK - Unknown

DETECTION:

Detection Sensor.

SLAR - Radar

UV - Ultra Violet

IR - Infrared

VIS - Visual

MW - Microwave

LF - Laser Fluorosensor

PHOTO:

Photographs of pollution

VIDEO

Video of the pollution

FLIR

Forward Looking Infrared of the pollution

WEATHER:

Weather at the time of pollution observation/detection

Surface Wind: Direction and Speed (knots or beaufort as required by national authorities),

Cloud: Coverage in Octas or aviation description (scattered / overcast) and Base in feet,

Visibility: Nautical Miles or Kilometres

Sea State: Using the description code given in the Abbreviations

Weather: Rain, Snow, Haze, Mist etc

REMARKS:

Any Amplifying Remarks.

Note:

For all Detections / Observations Boxes write:

'Y' Sensor used and pollution detected

'N' Sensor used but pollution not detected

'-' Sensor was not used or not available

Annex 3

Pollution Observation/Detection Report on Polluters and Combatable Spills (IMO)

POLLUTION OBSERVATION/DETECTION REPORT ON POLLUTERS AND COMBATABLE SPILLS (IMO)

1. REPORTER:
 - a. Reporting State: :
 - b. Observer (Organization/Aircraft/Platform) : Call Sign.....
 - c. Observer(s)(Family Name(s)) : 1.....2.....
2. DATE AND TIME:
 - a. Date (yymmdd) b. Time of Observation (UTC) : Date..... Time.....UTC
3. LOCATION OF THE POLLUTION:
 - a. Position of the Pollution (Lat/Long) : Begin.....N,
.....W/E
: End.....N,W/E
 - b. Inside/Outside Territorial Waters: Inside Outside
4. DESCRIPTION OF THE POLLUTION:
 - a. Type of Substance Discharged :
 - b. Estimated Quantity :m³
 - c. Length (km)d. Width (km) e. Coverage (%) : Length.....km Width.....km Coverage.....%
 - f. Oiled Area (km²) : Oiled Area.....(km²)
 - g. Percentage of Oiled Area by Appearance (%)

1:.....%	4:.....%
2:.....%	5:.....%
3:.....%	Other:.....%
5. METHOD OF DETECTION AND INVESTIGATION:
 - a. Detection (Visual, SLAR, IR, UV, Video, MW : Visual SLAR IR UV Video MW,
LFS, Identification Camera, Other) : LFS Video Ident.Cam Other
 - b. Discharge Observed c. Photographs Taken : Observed: Yes / No Photos Yes / No
 - d. Samples Taken e. Need of Combating : Samples: Yes / No Combat: Yes / No
 - f. Other Ships/Platforms in Vicinity (Names) :
6. WEATHER AND SEA CONDITIONS:
 - a. Wind Direction b. Wind Force c. Visibility : Direction.....Degrees Force.....Bft/Kts Vis.....kms
 - d. Cloud Coverage e. Wave Height : Cloud.....Octa Wave Ht.....m
 - f. Current Direction : Current Direction.....Degrees

OBSERVATION OF A DISCHARGE OF HARMFUL SUBSTANCES BY A SHIP UNDER ARTICLE 6(3) OF MARPOL 73/78

7. SHIP INVOLVED:
 - a. Name :
 - b. Callsign c. Flag State : Callsign:..... Flag State:.....
 - d. Home Port :
 - e. Type of Ship :
 - f. Position (Lat/Long) :N,W/EUTC
:N,W/EUTC
 - g. Heading h. Speed : Heading.....Degrees Speed.....kts
 - i. Colour of the Hull :
 - j. Colour of the Funnel and Funnel Mark :
 - k. Colour / Description of Superstructure :
 - l. Vessels IMO Number :
8. INFORMATION BY RADIO CONTACT:
 - a. Radio Contact b. Means of Communication : Contact: Yes / No Means VHF / Teleph,Ch / Freq
 - c. Last Port of Call :
 - d. Cargo e. Last Cargo :
 - f. Next Port of Call, ETA (yymmdd) :ETA.....
 - e. Statements of Captain/Officer on Duty :

OBSERVATION OF A DISCHARGE OF HARMFUL SUBSTANCES BY AN OFFSHORE INSTALLATION

9. OFFSHORE INSTALLATION INVOLVED:
 - a. Platform Name :
 - b. Position (lat/long) : NW/E
 - c. Type of Platform (Production/Drilling etc) :
 - d. Company Name :
10. INFORMATION BY RADIO CONTACT:
 - a. Radio Contact b. Means : Contact Yes / No Means VHF / Teleph,Ch / Freq
 - c. Contact with (position) :
 - d. Statements :

11. REMARKS AND ADDITIONAL INFORMATION:

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