

GUIDELINES FOR REPORTING PERFORMANCE OF COUNTER-MEASURES IN POLLUTION INCIDENTS

At their Twelfth Meeting (Copenhagen, 1988) the Contracting Parties adopted new Guidelines for reporting performance of counter-measures in pollution incidents (BA12/14/1, §7.15). The reporting format is not mandatory, but the Contracting Parties recommended that it should be used in order to report on incidents.

The headings in this document are only a guide. It is not necessary to provide information under all headings, and it may be desirable to include further information not covered by any of these headings.

31.1 INCIDENT REPORT

POLLUTION INCIDENT : Name (identification of incident) :.....
 Dates :
 Location :
 Lead country :

REPORTING AGENCY: Name :
 Address :
 Country :

31.1.1 GENERAL INFORMATION

- (i) Nature of the incident (collision, blow-out,...)
- (ii) Nature of the pollutant(s) (crude oil, fuel oil, refined products, vegetable oil, packaged chemicals, bulk chemicals...)
- (a)
- (b)
- ...
- (iii) Total estimated quantity lost
- (a)
- (b)
- ...
- (iv) Affected area
- .1 Total extent of affected area.....
- .2 Percentage of the area contaminated at the onset.....
- .3 Percentage of the area still contaminated to date
- .4 Persistence of pollution.....
- .5 Shoreline affected
- (v) Conditions of operation
- .1 Temperatures (sea and air).....
- .2 Length of daylight period
- .3 Sea state (Beaufort) throughout
- .4 Fraction of total time worked effectively.....
- .5 Temperature of pollutant

- (vi) Total cost of operation. (It will help establish a body of evidence on what actions have been thought to be justified and at what cost, if brief details can be given which will show why the actions were considered to be justified)

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31.1.2 PERFORMANCE OF MECHANICAL RECOVERY (if applicable)

- (i) Nature of recovery system
- (ii) Carrier (ship or other)
- (iii) Period of use and location.....
- (iv) Fraction of total time on site for which system could be operated
- (v) Procedure followed for each type of pollutant.....
 - (a)
 - (b).....
- ...
- (vi) Recovery performance for each (rate in tonnes per hour per ship or system while actually operating)
 - (a)
 - (b)
- ...
- (vii) Conditions of operation for each (if different from 31.1.1(v) above)
 - (a)
 - (b)
- ...
- .1 Sea state (Beaufort) throughout
- .2 Viscosity of the pollutant as a function of time (cS at t°C):
- .3 General appearance of slicks
- .4 Dimensions of pollutant accumulations and windrows
- .5 Thickness of local pollutant accumulations
- .6 Average thickness of pollutant layer
- (viii) Cost per tonne of pollutant recovered
 - (a)
 - (b)
- ...

Repeat section 31.1.2 for each recovery system

31.1.3 RECOVERY OF PACKAGED GOODS (if applicable)

- (i) Nature of the goods.....
 - .1 Types of package and number of each type.....
 - .2 Contents (append manifest if available)
 - .3 Dimensions (size, volume, weight).....
 - .4 Behaviour (floating, sinking, drifting, etc.)
- (ii) Nature of detection or recovery system

- (iii) Carrier
- (iv) Period of use and location.....
- (v) Fraction of total time on site for which system could be operated
- (vi) Procedure followed
- (vii) Recovery results.....
- (viii) Cost per item recovered

Repeat section 31.1.3 for each detection or recovery system

31.1.4 PERFORMANCE OF CHEMICAL TREATMENT (if applicable)

- (i) Nature of chemical agent
- (ii) Nature of pollutant treated
- (iii) Period of use and location.....
- (iv) Method of application
- (v) Quantity of chemical agent used.....
- (vi) Expected chemical/pollutant ratio for success
- (vii) Expected quantity of pollutant treated in this way.....
- (viii) Actual performance (if known).....
- (ix) Conditions of operation.....
 - .1 Sea state (Beaufort) throughout
 - .2 Viscosity of the pollutant as a function of time (cS at t°C), if applicable
 - .3 General appearance of slicks or patches
 - .4 Dimensions of pollutant accumulations and windrows (if applicable):.....
 - .5 Thickness of local pollutant accumulations.....
 - .6 Average thickness of pollutant layer (if applicable)
- (x) Cost per tonne of successfully treated pollutant:

Repeat section 31.2.4 for each chemical treatment

31.1.5 OTHER COUNTER-MEASURES (if applicable)

- (i) Conditions of operation
 (Note: some chemicals will fall into more than one category - please answer all relevant questions)
 - a. Evaporating chemicals
 - .1 Maximum dimension of pool.....
 - .2 Lifetime of pool
 - .3 Dimensions of vapour cloud.....
 - .4 Lifetime of vapour cloud
 - b. Sinking/dissolving chemicals.....
 - .1 Dimensions of layer on the sea bed

- .2 Rate of dissolution
- .3 Dimensions of plume
- .4 Measured concentrations in water column
- (ii) Nature of counter-measure
- (iii) Means deployed
- (iv) Period of operation and location
- (v) Method of operation and procedure
- (vi) Performance of counter-measure
- (vii) Cost of counter-measure

Repeat section 31.1.5 for each new counter-measure

31.1.6 SHORELINE CLEAN-UP TECHNIQUES

- (i) Techniques employed
- (ii) Number of people employed.....
- (iii) Methods of waste disposal.....

31.1.7 EFFICIENCY OF EVALUATION AND MONITORING TECHNIQUES

- (i) Immediate hazard evaluations
 - .1 Method used (sources of information, data bases, references,...)
 - .2 Result of assessment
 - .3 Comparison with observations
- (ii) Environmental risk estimation (potential spread and impact)
 - .1 Method used ie. handbook models, computer predictions.....
 - .2 Period of use
 - .3 Result of assessment
 - .4 Comparison with observations
 - .5 Cost of assessment.....
- (iii) Environmental monitoring (water, sediment, air,...)
 - .1 Nature of equipment
 - .2 Carrier
 - .3 Method/procedure followed.....
 - .4 Period of use
 - .5 Result of assessment
 - a Water quality
 - b Sediment contamination
 - c Air contamination.....
 - d Other.....
 - .6 Cost of assessment.....
- (iv) Aerial surveillance
 - .1 Nature of equipment
 - .2 Carrier
 - .3 Period of use
 - .4 Result of assessment
 - .5 Comparison with *in situ* measurements
 - .6 Conditions of operation
 - a Sea state (Beaufort) throughout.....
 - b Wind
 - c Precipitations
 - d Cloud cover

- e Visibility.....
- .7 Cost of surveillance

31.1.8 DAMAGE ASSESSMENT (losses)

- (i) Effects on people
- (ii) Ecological effects.....
 - .1 Method used (survey, computer model,...)
 - .2 Period of use
 - .3 Result of assessment (effects on flora, fauna,...)
 - .4 Cost of assessment.....
- (iii) Economic effects.....
 - .1 Method used (survey, computer model,...)
 - .2 Period of use
 - .3 Result of assessment (effects on fisheries and other industry, amenities,...)
 - .4 Cost of assessment.....
- (iv) Other effects.....

31.1.9 ADDITIONAL COMMENT

- (i) Arrangements for dealing with the casualty (tugs on standby, transfer vessels, ...)
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