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MEDITERRANEAN ACTION PLAN

Fourth Meeting of the Working Group
for Scientific and Technical
Co-operation for MED POL

Athens, 16-20 June 1986

REPORT OF THE FOURTH MEETING OF THE WORKING GROUP FOR SCIENTIFIC AND TECHNICAL CO-OPERATION FOR MED POL

UNEP

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Introduction

1. The Contracting Parties to the Convention for the Protection of the Mediterranean Sea against Pollution and its related protocols adopted, at their Second Ordinary Meeting (Cannes, 2-7 March, 1981), the Long-term Programme for Pollution Monitoring and Research in the Mediterranean Sea (MED POL - PHASE II) (document UNEP/IG.23/11, annex V). A standing Working Group for Scientific and Technical Co-operation was thereby established by the Contracting Parties to assist them in reviewing the progress of the programme and in the evaluation of the results. The Working Group's terms of reference included advising UNEP on technical and policy matters relating to the MED POL programme and related matters, and the preparation of recommendations for submission to the Contracting Parties, through UNEP as the secretariat of the Convention.

2. As a result of the decisions of the Cannes Meeting, the Working Group held its first meeting in Athens from 28 September to 2 October 1981 (UNEP/WG.62/7), its second in Athens from 21 to 25 November 1983 (UNEP/WG.91/12) and its third in Athens from 27 to 31 May 1985 (UNEP/WG.118/9).

3. In pursuance of its mandate, the Co-ordinating Unit of the Mediterranean Action Plan invited designated National Co-ordinators for MED POL to attend the Fourth Meeting of the Working Group which was convened at the premises of the Mediterranean Co-ordinating Unit in Athens from 16 to 20 June 1986. Representatives of the Co-operating Agencies, Food and Agriculture Organization of the United Nations (FAO), United Nations Educational, Scientific and Cultural Organisation (UNESCO), World Health Organization (WHO), World Meteorological Organization (WMO), International Atomic Energy Agency (IAEA), Intergovernmental Oceanographic Commission (IOC), United Nations Industrial Development Organization (UNIDO), International Maritime Organization (IMO) and four Regional Activity Centres for MAP were invited.

4. The meeting was attended by National Co-ordinators or appointed representatives for MED POL from 15 Mediterranean countries and the EEC and representatives of 8 United Nations Agencies. A list of participants is attached as annex I to this report.

Agenda item 1. Opening of the meeting

5. Mr. A. Manos, Co-ordinator of the Mediterranean Action Plan, welcomed the participants on behalf of the Executive Director of UNEP, and declared open the Fourth Meeting of the Working Group for Scientific and Technical Co-operation for MED POL.

6. Looking back over the 11 years since the adoption of the Mediterranean Action Plan in 1975 - of which MED POL was the real cornerstone of the whole programme - it could be seen that great progress had been made. However, because of various delays, it was still not possible to assess the state of pollution of the Mediterranean as a whole, not for lack of capacity on the part of the coastal countries or for lack of programmes or data, since all the countries carried out monitoring activities and a number of them were taking part in valuable bilateral or multilateral programmes. In fact the data produced by most of those programmes had not been made available to the Co-ordinating Unit, so that it could be used for the preparation of the assessment.

7. Of 17 coastal countries only nine had signed agreements relevant to national monitoring programmes two of which had been signed recently. Egypt, with its long research tradition, and Libya, whose high laboratory standards had been noted by two MAP missions, had officially become members of the MED POL monitoring network. With the addition of the two countries, the 50 per cent mark (nine programmes out of 17) had been exceeded. It was disappointing to note, however, that six years after the launching of MED POL - PHASE II, the "Mediterranean network" comprised only half of the coastal countries, affected only a quarter of the whole Mediterranean coastline and indeed represented less than a quarter of the total volume of pollutants. In concluding his remarks, Mr. Manos expressed the hope that progress could be made at the current session with respect to the programmes of Spain, France, Monaco, Italy, Greece, Turkey, Syria and Tunisia.

Agenda item 2. Rules of procedure

8. Mr. A. Manos informed the meeting that the Rules of Procedure for the meetings and conferences of the Contracting Parties to the Convention for the Protection of the Mediterranean Sea against Pollution and its Related Protocols (UNEP/IG.23/11, annex VII) would apply *mutatis mutandis* to the meeting of the Working Group as a subsidiary body of the Conference of the Contracting Parties.

Agenda item 3. Election of officers

9. The meeting unanimously elected the following officers:

Chairman:	Mr. Turgut BALKAS	(Turkey)
Vice-Chairmen	Mr. Hassan Hilmi KHAROUF	(Syria)
	Mr. Jacques VACCAREZZA	(EEC)
Rapporteur	Ms. Athena MOURMOURIS	(Greece)

Agenda item 4. Adoption of the agenda

10. The meeting adopted the agenda which appears in annex II to this report. Documents which were available to the meeting are listed in annex III.

Agenda item 5. Organization of work

11. The meeting agreed to work only in plenary session with the proviso that *ad hoc* discussion groups or drafting committees would be formed by the Bureau in consultation with the secretariat if any specific matter so required.

12. The meeting accepted a EEC proposal to report to the secretariat comments, proposals and/or amendments in writing on specific forms to simplify the drafting of the report.

Agenda item 6. Progress report on the implementation of the MED POL - PHASE II in 1985-1986 and planned activities for 1986-1987

13. The secretariat introduced document UNEP/WG.144/3 which reported on monitoring, research and other MED POL-PHASE II activities implemented until March 1986. When introducing the document, the secretariat orally provided updated information on activities and developments which had taken place since the document was issued.

14. Since March 1986, monitoring programme proposals for 1986 had been submitted by Israel, Lebanon and Yugoslavia and a relevant agreement had been signed by Egypt.

15. It was explained that annex III to document UNEP/WG.144/3 covered only the national programmes for which agreements had been signed between the secretariat and the Contracting Parties.

16. Countries which had not yet signed monitoring agreements informed the meeting of the current situation. In particular the Greek delegate informed the meeting on the intention of her country to sign an agreement in the course of 1986 on the national monitoring programme regarding sources of pollution and coastal waters. The delegates from France, Italy and Syria informed the meeting that the first draft of their national monitoring programmes had been presented to the secretariat and were under negotiation.

17. The national monitoring programmes of Greece and Turkey concerning reference areas in the Aegean Sea were exchanged between the two respective delegations. Since preliminary consultations did not result in a conclusion, the two delegations agreed in principle to continue further consultations in the near future on the occasion of an international meeting, with view to reaching an agreement on their respective programmes.

18. It was agreed that whenever feasible, the agreement covering the national monitoring activities should be signed only on its initial submission, with a possibility of modifying the technical annex and the relevant assistance annually.

19. Since March 1986 data reports for 1985 had been submitted by Cyprus and Lebanon. Several participants pointed out that the data submitted to the secretariat within the framework of MED POL national monitoring programmes which had not been reflected in annex III of UNEP/WG.144/3, should be included, as appropriate.

20. The secretariat informed the meeting that pollution data obtained from national monitoring activities had been submitted by France and Italy.

21. The communication to the secretariat of national programmes of coastal States not requiring the signature of a formal agreement with the Co-ordinating Unit was encouraged, together with the transmission of relevant information. The delegate of Monaco informed the secretariat of the will of his country to do so in the near future.

22. The question of reporting forms was raised by several participants and the need for new forms for additional parameters was stressed. The meeting agreed to include the subject in the agenda of the 1987 Meeting of the Working Group for Scientific and Technical Co-operation, with specific proposals by the secretariat for new forms and for possible modification of the existing ones. The secretariat was also asked to propose to the 1987 Working Group Meeting a programme for the dissemination of data collected through monitoring activities.

23. The WMO representative informed the meeting about measures taken to initiate the pilot project to study air pollutant deposition into the Mediterranean, for which eight countries (Algeria, Cyprus, Israel, Italy, Libya, Spain, Tunisia and Yugoslavia) had already nominated experts to participate. He proposed that measurements of cadmium in air and precipitation recommended for the pilot project should be supplemented by measurements of sodium, potassium, calcium, chlorine, ammonia and sulfate in precipitation carried out already in many Mediterranean countries within the WMO Background Air Pollution Monitoring Network (BAPMON). He also reminded the meeting of the courses on background air pollution measurements regularly organized by WMO and of possibility to use the IAEA laboratory in Seibersdorf (Austria) for analysing samples collected within the pilot project.

24. The Greek and Moroccan representatives confirmed the participation of their countries in that pilot project. The secretariat expressed its intention to mobilise funds of the research component of MED POL to assist the participating countries.

25. The representative of WHO informed the meeting that the global problem of the effects of mercury on human health was being tackled at the appropriate international level. Work being performed within the framework of MED POL consisted solely of the application of existing international data to the specific problem of Mediterranean high-risk groups, through ad hoc surveys in appropriate parts of the region.

26. Under activity D (Epidemiological studies related to Environmental Quality Criteria), the EEC delegation observed that a number of diseases might be unrelated to water quality in terms of exposure to coastal waters polluted by discharge of sewage.

27. With respect to the forthcoming MED POL - PHASE II research programme, and in particular to the programme for the biennium 1988-1989, the French delegation expressed the hope that consideration would be given to limiting the number of research proposals submitted. The limited funds available for the activity did not allow an effective financial support to an excessive number of such proposals. The secretariat was therefore requested to propose possible alternatives at the 1987 meeting of the Working Group for Scientific and Technical Co-operation, taking account as far as possible of the priorities proposed at the 1986 meeting.

28. The secretariat briefly described the achievements of the two-year jellyfish programme. As to its continuation, proposals on jellyfish research should be included as appropriate in the existing MED POL research activities, while national monitoring programmes should also include jellyfish observation.

29. Several participants pointed out that unlike to what is stated in paragraph 48 of document UNEP/WG.144/3, at their Fourth Meeting (in Genoa) in September 1985, the Contracting Parties had taken note of the interim environmental quality criteria for mercury in seafood. They had also approved recommendations concerning interim environmental quality criteria for bathing waters (UNEP/IG.56/5, chapter III F, sections 5 and 6). Since then, work had continued, for a number of pollutants, on the scientific rationale and on analysis of existing national or international regulations which would eventually lead to the formulation of environmental quality criteria.

30. The meeting noted the follow-up actions for 1986 activities. It was decided that the deadline for submission of research proposals for 1987 would be 15 November 1986. The deadline for the 1988 research proposals would be 15 September 1987 and a similar timetable would be followed in the future.

31. The meeting agreed that, for the preparation of the various assessment documents needed for the implementation of the LBS Protocol, data from the national monitoring programmes, the relevant regional programmes and the scientific literature, would be fully utilized.

32. The secretariat informed the meeting that only some of the designated institutions participated in the IAEA mandatory intercalibration exercises. Efforts should be made to ensure full participation by all the laboratories included in the national monitoring programmes. National Co-ordinators should be kept fully informed by IAEA of the development and results of each exercise.

33. As to the budgetary considerations, the secretariat gave detailed information on the presentation of the 1985 expenditures, particularly those concerning the research activities.

34. A wide discussion was held on implementation of the project on solid and liquid waste collection, treatment and disposal. The secretariat explained that the one-year monitoring of the selected marine outfalls, which would be implemented as part of MED POL, would be used as a tool for evaluating the various liquid waste disposal techniques, which were part of a PAP activity "Solid and Liquid Waste Management, Collection and Disposal". It was also made clear that the common sampling and analysis methodology, discussed at the meeting held in Split from 27-28 March 1986, had been specifically developed for that exercise. The secretariat invited additional voluntary contributions of information on this subject.

Agenda item 7. Progress in the implementation of the Protocol for the Prevention of Pollution of the Mediterranean Sea by Dumping from Ships and Aircraft

35. The secretariat introduced document UNEP/WG.144/4 which reported on the implementation of the Dumping Protocol. In the course of the presentation, up-to-date information was provided: Italy had reported that 45 authorizations had been issued between 1983 and 1985; Greece and Monaco had reported that no authorizations had been issued during 1985; the EEC representative recalled that his delegation had also replied; Spain had reported that it had carried out no dumping in the Mediterranean.

36. Some delegations expressed the view that, in taking account of the information communicated to the secretariat, the number of cases of dumping and the quantitites involved appeared very limited. In order to facilitate assessement of the implementation of the Protocol, attention was drawn to the relevant recommendations of the Genoa meeting (Section III, F, 4(2)(a) and (b), page 35).

Agenda item 8. Progress in the implementation of the Protocol concerning Co-operation in Combating Pollution of the Mediterranean Sea by Oil and other harmful Substances in cases of Emergency

37. The secretariat introduced document UNEP/WG.144/5 which reported on the implementation of the Emergency Protocol.

38. The EEC representative reminded the Working Group that in 1981, the Community had adopted a Decision establishing an information system for the control and reduction of pollution caused by the discharge of hydrocarbons into the Sea (81/971/EEC, J.O. L. 335 of 10/12/1981). That Decision had been extended to include dangerous substances in March 1986 and was now in force.

Agenda item 9. Progress in the implementation of the Protocol for the Protection of the Mediterranean Sea against Pollution from Land-based Sources

39. The secretariat introduced document UNEP/WG.144/6 which reported on the implementation of the Land-based Sources Protocol. Countries which had not yet ratified the Protocol briefed the meeting on the current status. The Greek delegate informed participants that, during the meeting, the Greek Parliament had ratified the LBS Protocol as well as the Protocol on Specially Protected Areas.

40. The secretariat informed the meeting on the development of the actions provided for in the 1986 workplan for the implementation of the Land-based Sources Protocol.

41. In connection with paragraph 16 of document UNEP/WG.144/6 referring to the development of suitable methodologies for environmental impact assessment, the UNIDO representative proposed that, in preparing these assessments, the development of appropriate guidelines for low and non-waste technologies, as well as management methods for the optimal handling, treatment, transport and disposal of generated wastes should be taken into account.

42. The secretariat recalled that the Meeting of Experts on the Technical Implementation of the Protocol for the Protection of the Mediterranean Sea against Pollution from Land-based Sources, (Athens, 9-13 December 1985) had agreed that the countries should submit comments on:

a) the draft guidelines for the issue of authorizations for the discharge of liquid wastes into the Mediterranean (UNEP/WG.125/7) by 30 November 1986;

b) the draft guidelines for computations concerning submarine outfall systems for liquid effluents (UNEP/WG.125/8) by 31 December 1986.

43. The meeting agreed that those countries which had not already done so should provide information to the secretariat on national legislation on the prevention and control of pollution from Land-based Sources.

44. The meeting also agreed to provide the secretariat with information on competent national bodies and national projects relevant to the workplan for the implementation of the Land-based Sources Protocol.

Agenda item 10. Progress in the implementation of the Survey of Land-based Sources and Amounts of Pollutants reaching the Mediterranean Sea (MED POL X bis)

45. The secretariat introduced document UNEP/WG.144/7 which reported on the status of implementation of the Survey of Land-based Sources and Amounts of Pollutants (MED POL X bis).

46. Following an extensive discussion on the preparation of the questionnaires for the collection of data and information, it was decided:

a) that the questionnaires should initially cover only information on liquid domestic discharges and on cadmium, mercury, organochlorines and petroleum hydrocarbons as industrial pollutants and should take into account the forms of the Paris Convention;

b) that draft questionnaires should be sent to National Co-ordinators by the end of July 1986 for comment; the comments of the National Co-ordinators should be sent to the Unit by the end of November 1986; the questionnaires would be revised by the Unit accordingly and officially submitted to Governments by the end of December 1986; the questionnaires should be completed and returned to the Unit by September 1987; and the Unit would prepare a full report by April 1988.

Agenda item 11. Revised draft reporting forms on the authorization of the discharge of liquid wastes into the Mediterranean Sea

47. The secretariat introduced document UNEP/WG.144/8, which contained revised draft versions of the forms for (a) reports on authorizations issued for the discharge of liquid wastes into the Mediterranean Sea, and (b) annual reports concerning authorized discharges of liquid wastes into the Mediterranean Sea.

48. After a discussion, the meeting agreed that the provisional forms for new authorizations, appearing in annex IV (part A and B) to the present report, could be used temporarily until the complete guidelines had been revised and adopted. Final versions of the forms, prepared on the basis of experience, would then be considered for adoption.

Agenda item 12. Assessment of the present state of pollution by petroleum hydrocarbons in the Mediterranean Sea

49. The representative of IOC introduced document UNEP/WG.144/9, explained the structure of the report and briefly highlighted the contents of part A. He pointed out that some information was missing regarding results from monitoring and research activities which had been submitted and that it would be included, as appropriate. The representative of IMO introduced part B, pointing out in particular that some tables needed further updating, that the information regarding ROCC was incomplete and that recent developments should be reflected in the recommendations .

50. After considerable discussion on the document, during which a number of improvements were suggested, and appreciation was expressed of the work carried out through the efforts of IOC, the meeting:

a) took note of document UNEP/WG.144/9 which represented a considerable improvement compared with the documents provided at the Third Meeting of the Working Group for Scientific and Technical Co-operation;

b) decided that a revised version should be prepared for submission to the Fifth Meeting of the Working Group for Scientific and Technical Co-operation;

c) instructed the secretariat and the co-operating agencies that all comments and suggestions made during the debate should be duly taken into account in preparing the revision;

d) agreed that all delegates should submit their statements in writing in abbreviated form to the secretariat before the end of the meeting so as to ensure that they were taken into account in the revision of the document;

e) agreed that further comments and all relevant additional information available to National Co-ordinators should be submitted to the secretariat not later than 1 September 1986.

Agenda item 13. Assessment of the state of microbial pollution of shellfish and shellfish-growing waters in the Mediterranean Sea and proposed measures

51. The secretariat introduced document UNEP/WG.144/10. A number of remarks on the structure and content of the document were made. The Working Group instructed the secretariat to use all the available data and to take into account all the points raised when preparing the final version.

52. It was noted that the results of the pilot study which Spain undertook to carry out on the comparison between the application of the criteria originally proposed by WHO/UNEP and the norms and criteria already existing in Mediterranean countries and the EEC were not yet available. The representative of Spain informed the meeting that the results of this study were expected shortly and would be submitted to the secretariat before the end of 1986.

53. The EEC representative reminded the meeting that in accordance with the Working Group's decision at its Third Meeting (Athens, 27-31 May 1985), he had transmitted to the Co-ordinating Unit, in November 1985, comments on the document concerning assessment of the current state of microbial pollution and had drawn attention to a number of points. A number of representatives stressed that in the assessment of the concentration of faecal coliforms in shellfish, both the flesh and intervalvular fluid should be analyzed, rather than the flesh alone.

54. In the formulation of revised criteria, the stage in the shellfish production process to which such criteria would apply had to be specified. The control of products in markets and food stores, which were covered by food-safety regulations, should not be included in the proposed criteria.

55. The secretariat urged all countries to submit the fullest information on legislation and other measures in force at the national level as well as on production figures. This information should be submitted to both the Mediterranean Co-ordinating Unit and National Co-ordinators. In the absence of such information, no comprehensive picture could be presented.

56. It was considered necessary to define the term "shellfish-growing waters" in order to make a clear distinction between commercial culture areas and any other areas where shellfish grew under natural conditions.

57. The meeting agreed on the following timetable to enable the revised version of the document, complete with proposed measures, to be submitted to the Working Group at its next session:

a) countries in which shellfish-growing waters and shellfish were included in their national MED POL monitoring programmes should submit the results of such monitoring performed during 1986 to the secretariat, not later than 31 December 1986;

b) countries in which shellfish-growing waters and shellfish were monitored, but not included in national MED POL monitoring programmes, should endeavour to collect as much data as possible and submit them to the secretariat by 31 December 1986;

c) countries which did not currently monitor shellfish-growing waters and shellfish should endeavour to carry out monitoring of at least one appropriate station (if available) and submit the results to the secretariat by 31 December 1986;

d) countries which had not already done so should submit to the secretariat by 31 December 1986 the fullest possible information on their national legislation regarding shellfish-growing waters and shellfish, including depuration and other related requirements;

e) countries should submit to the secretariat by 31 December 1986 detailed information on shellfish-growing activities (current and planned), including production figures;

f) any country wishing to submit further comments on document UNEP/WG.144/10, including suggested amendments or improvements, should submit such comments to the secretariat before 31 December 1986.

Agenda item 14. Assessment of the present state of pollution by cadmium, copper, zinc and lead in the Mediterranean Sea

58. The secretariat introduced document UNEP/WG.144/11, informing the meeting that it was an interim document intended to be used in the preparation of the final assessment on cadmium and other metals according to the calendar approved by the Meeting of Experts of the Technical Implementation of the Protocol for the Protection of the Mediterranean Sea against Pollution from Land-based Sources.

59. A number of delegations submitted comments and proposed points to be taken into consideration during the preparation of the final text.

60. Following the discussion, the meeting decided to recommend to the Contracting Parties that they should extend their monitoring and research programmes to include new parameters, especially those for which there was insufficient information available.

61. The meeting recommended to the Contracting Parties to provide for an increase in the MED POL 1988-1989 budget to cover additional monitoring activities which would provide the necessary data for the technical implementation of the Land-based Protocol.

Agenda item 15. Assessment of the state of pollution in the Mediterranean Sea by used lubricating oils and proposed measures

62. The secretariat introduced document UNEP/WG.144/12 reporting on the progress in preparing the assessment of the state of pollution by used lubricating oils.

63. During the discussion several delegations drew attention to the difficulties they would face in answering all the points of the questionnaire in its present form as well as keeping to the proposed deadline of 31 July 1986 for its submission to the Unit.

64. The meeting took note of document UNEP/WG.144/12 and agreed that the questionnaire should be completed to the extent possible and all relevant information should be transmitted by the end of October 1986.

Agenda item 16. Other business

65. The secretariat's proposal that the Fifth Meeting of the Working Group for Scientific and Technical Co-operation should be held in Athens from 6 to 10 April 1987 was adopted.

66. Taking into account the long-standing co-operation between UNEP and ICSEM on the organization of joint workshops on Marine pollution of the Mediterranean Sea, one delegation expressed the view that ICSEM (International Commission for the Scientific Exploration of the Mediterranean Sea) should be invited to attend future meetings of the Working Group for Scientific and Technical Co-operation with observer status.

67. With reference to paragraphe III, C, 4 (in page 24) of document UNEP/IG.56/5, the meeting decided to recommend to the Contracting Parties that in the future technical matters related to oil pollution abatement within the framework of implementation of the Emergency Protocol would not be referred to the Working Group for Scientific and Technical Co-operation. Such matters should be considered and discussed by the Group of ROCC Focal Points who whenever necessary, will submit appropriate recommendations to the meetings of the Contracting Parties.

Agenda item 17. Adoption of the report

68. The Group unanimously adopted the meeting's report on 20 June 1986.

Agenda item 18. Closure of the meeting

69. In his concluding remarks, Mr. A. Manos expressed the satisfaction of the secretariat for the results of the meeting. The Chairman thanked the secretariat for the efficient organization and the participants for the spirit of collaboration shown in the discussions.

70. The Chairman closed the meeting on 20 June 1986 at 13:15 hours.

Annex I

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Annex II

Agenda

1. Opening of the meeting
2. Rules of procedure
3. Election of officers
4. Adoption of the agenda
5. Organization of work
6. Progress report on the implementation of the MED POL-PHASE II in 1985-1986 and planned activities for 1986-1987
7. Progress in the implementation of the Protocol for the Prevention of Pollution of the Mediterranean Sea by Dumping from Ships and Aircraft
8. Progress in the implementation of the Protocol concerning Co-operation in Combating Pollution of the Mediterranean Sea by Oil and other harmful Substances in cases of Emergency
9. Progress in the implementation of the Protocol for the Protection of the Mediterranean Sea against Pollution from Land-based Sources
10. Progress in the implementation of the Survey of Land-based Sources and Amounts of Pollutants reaching the Mediterranean Sea (MED POL X bis)
11. Revised draft reporting forms on the authorization of the discharge of liquid wastes into the Mediterranean Sea
12. Assessment of the present state of pollution by petroleum hydrocarbons in the Mediterranean Sea
13. Assessment of the state of microbial pollution of shell-fish and shell-fish growing waters in the Mediterranean Sea and proposed measures
14. Assessment of the present state of pollution by cadmium, copper, zinc and lead in the Mediterranean Sea
15. Assessment of the state of pollution in the Mediterranean Sea by used lubricating oils and proposed measures
16. Other business
17. Adoption of the report
18. Closure of the meeting

Annex III

List of documents

Working documents

UNEP/WG.144/1	:	Provisional Agenda
UNEP/WG.144/2	:	Provisional Annotated Agenda
UNEP/WG.144/3	:	Progress Report on the Implementation of the MED POL-PHASE II in 1985-1986 and planned activities for 1986-1987
UNEP/WG.144/4	:	Progress report on the implementation of the Protocol for the Prevention of Pollution of the Mediterranean Sea by Dumping from Ships and Aircraft
UNEP/WG.144/5	:	Progress report on the implementation of the Protocol concerning Co-operation in Combating Pollution of the Mediterranean Sea by Oil and other harmful Substances in cases of Emergency
UNEP/WG.144/6	:	Progress report on the implementation of the Protocol for the Protection of the Mediterranean Sea against Pollution from Land-based Sources
UNEP/WG.144/7	:	Progress in the implementation of the Survey of Land-based Sources and Amounts of Pollutants reaching the Mediterranean Sea (MED POL X bis)
UNEP/WG.144/8	:	Revised draft reporting forms on the authorization of the discharge of liquid wastes into the Mediterranean Sea
UNEP/WG.144/9	:	Assessment of the present state of pollution by petroleum hydrocarbons in the Mediterranean Sea
UNEP/WG.144/10	:	Assessment of the state of microbial pollution of shell-fish and shell-fish growing waters in the Mediterranean Sea and proposed measures
UNEP/WG.144/11	:	Assessment of the present state of pollution by cadmium, copper, zinc and lead in the Mediterranean Sea
UNEP/WG.144/12	:	Progress report on the preparation of the assessment of the state of pollution in the Mediterranean Sea by used lubricating oils and proposed measures

Information documents

UNEP/WG.144/Inf.1 : List of documents

UNEP/WG.144/Inf.2 : List of Participants

UNEP/WG.144/Inf.3 : Intercomparison of trace element measurements in marine sediment sample SD-N-1/2 (IAEA/RL/124), Report No 24, IAEA (ILMR), Monaco, June 1985

UNEP/WG.144/Inf.4 : Intercalibration of analytical methods on marine environmental samples - Trace element measurements on mussel homogenate (MA-M-2/TM) (IAEA/RL/126), Report No 26, IAEA (ILMR), Monaco, October 1985

UNEP/WG.144/Inf.5 : Report on the WHO/UNEP Meeting on microbiological methods for coastal water quality monitoring (Split, 15-20 April 1985)

UNEP/WG.144/Inf.6 : Review of intercalibration exercises on microbiological methods for coastal water quality monitoring

UNEP/WG.144/Inf.7 : Guidelines for monitoring effluents from selected submarine outfalls and affected coastal marine areas (PAP-7/EM.1/3/Rev.1), PAP/RAC, Split, 1986

Reference documents

UNEP/IG.56/5 : Report of the Fourth Ordinary Meeting of the Contracting Parties to the Convention for the Protection of the Mediterranean Sea against Pollution and its related Protocols (Genoa, 9-13 September 1985)

UNEP/WG.118/9 : Report of the Third Meeting of the Working Group for Scientific and Technical Co-operation for MED POL (Athens, 27-31 May 1985)

UNEP/WG.125/10 : Report of the Meeting of Experts of the Technical Implementation of the Protocol for the Protection of the Mediterranean Sea against Pollution from Land-based Sources (Athens, 9-13 December 1985)

UNEP/WG.145/3 : Report of the Review Meeting on the implementation of the MED POL Jelly-fish programme (Trieste, 27-29 January 1986)

PA-7/EM 1/4 : Notes of the Joint PAP/RAC - WHO/EURO-UNEP/MEDU Meeting of Experts on Monitoring of Submarine outfall Structures in the Mediterranean (Split, 27-28 March 1986)

UNEP/IOC/WMO : Baseline studies and monitoring of oil and petroleum hydrocarbons in marine waters (MED POL I). MAP Technical Reports Series No. 1. UNEP, Athens 1986

UNEP/FAO : Baseline Studies and Monitoring of Metals, particularly Mercury and Cadmium, in Marine Organisms (MED POL II). MAP Technical Reports Series No. 2. UNEP, Athens 1986

UNEP/FAO : Baseline Studies and Monitoring of DDT, PCBs and Other Chlorinated Hydrocarbons in Marine Organisms (MED POL III). MAP Technical Reports Series No. 3. UNEP, Athens 1986

UNEP/FAO : Research on the Effects of Pollutants on Marine Organisms and their Populations (MED POL IV). MAP Technical Reports Series No. 4. UNEP, Athens 1986

UNEP/FAO : Research on the Effects of Pollutants on Marine Communities and Ecosystems (MED POL V). MAP Technical Reports Series No. 5. UNEP, Athens 1986

UNEP/IOC : Problems of Coastal Transport of Pollutants (MED POL VI). MAP Technical Reports Series No. 6. UNEP, Athens 1986

Annex IV

Part A

Provisional form for reports on new authorizations issued for the discharge of liquid wastes into the Mediterranean Sea (Article 13 of the Land-based Sources Protocol)

A. GENERAL INFORMATION

1. Issuing Authority .....

.....

2. Authorization identification number .....

3. Date of issue .....

4. Period of validity of authorization .....

B. SOURCE AND DISCHARGE INFORMATION

5. Type of wastewater: Domestic/Industrial/Mixed/Cooling water

6. General description .....

.....

.....

7. (for discharges directly into sea)

7.1. Discharge location:

Latitude ..... Longitude .....

Water depth .....

Nearest distance from coast .....

7.2. Brief description of existing wastewater treatment and of outfall design

.....

.....

.....

.....

8. (for industrial discharges directly into domestic sewage collection system)

Location of eventual discharge into sea:

Latitude ..... Longitude .....

Water depth .....

Nearest distance from coast .....

C. AUTHORIZATION REQUIREMENTS AND LIMITS

9. Volume of discharge:

Average ..... Maximum .....

10. Type of discharge: (Intermittent, continuous, direct, indirect, etc.)

.....

11. Specific effluent limits

Substance or characteristic	Limit (indicate units used)
.....	.....
.....	.....
.....	.....
.....	.....
.....	.....

12. Description of wastewater treatment required in terms of the permit and schedule of compliance .....

.....

.....

.....

13. Monitoring requirements .....

.....

.....

.....

14. Additional information (if considered relevant) .....

.....

.....

.....

.....

Name of person or organization completing form .....

Title and official address .....

.....

.....

.....

Date ..... Signature .....

Part B

Provisional form for annual reports concerning authorized discharges of liquid wastes into the Mediterranean Sea (Article 13 of the Land-based Sources Protocol)

A. GENERAL INFORMATION

1. Authority completing form .....

.....

2. Reporting period: from ..... to .....

3. Area covered by report (specify whether entire coastline or region) .....

.....

.....

B. DISCHARGES AUTHORIZED

4. Number of authorizations issued during reporting period .....

5. Number of valid previous authorizations .....

(lists of authorizations in 4 and 5 above should be attached to the report)

C. DOMESTIC SEWAGE DISCHARGES

6. Total volume of authorized domestic sewage discharged (calculated on an average daily basis) ..... cubic metres/day

7. Total quantity of basic pollutants discharged (calculated on an average daily basis in kg/day)

7.1. Biochemical oxygen demand (BOD_5) .....

7.2. Chemical oxygen demand (COD) .....

7.3. Total suspended solids (TSS) .....

7.4. Ammonia .....

7.5. Phosphorus .....

7.6. Oil and grease .....

8. Total quantities of substances listed in annex I to the Land-based Sources Protocol discharged in the sea

(calculated on an average daily basis in kg/day)

Substance	Quantity
8.1. Organohalogen substances	.....
.....	.....
8.2. Organophosphorus substances	.....
.....	.....
8.3. Organotin substances	.....
.....	.....
8.4. Mercury and mercury compounds	.....
.....	.....
8.5. Cadmium and cadmium compounds	.....
.....	.....

	Substance	Quantity
8.6.	Used lubricating oils	.....
	.....	.....
8.7.	Persistent synthetic materials	.....
	.....	.....
8.8.	Carcinogenic, teratogenic or mutagenic substances	.....
	.....	.....
8.9.	Radioactive substances	.....
	.....	.....

9. Total quantities of substances listed in annex II to the Land-based Sources Protocol discharged in the sea

(other than those listed in 7 above) (calculated on an average daily basis in kg/day)

	Substance	Quantity
9.1.	.....	.....
9.2.	.....	.....
9.3.	.....	.....
9.4.	.....	.....

etc.

D. *INDUSTRIAL WASTEWATER DISCHARGES*

(Note: This section should apply only to industrial wastewaters discharged directly into the sea. Industrial wastewaters discharges into domestic sewage systems should be covered under C. above).

10. Total volume of authorized industrial wastewater discharged (calculated on an average daily basis in cubic metres/day) .....

11. Total quantities of substances listed in annex I to the Land-based Sources Protocol discharged in the sea

(calculated on an average daily basis in kg/day)

	Substance	Quantity
11.1.	Organohalogen substances	.....
	.....	.....
11.2.	Organophosphorus substances	.....
	.....	.....
11.3.	Organotin substances	.....
	.....	.....
11.4.	Mercury and mercury compounds	.....
	.....	.....
11.5.	Cadmium and cadmium compounds	.....
	.....	.....
11.6.	Used lubricating oils	.....
	.....	.....
11.7.	Persistent synthetic materials	.....
	.....	.....
11.8.	Carcinogenic, teratogenic or mutagenic substances	.....
	.....	.....
11.9.	Radioactive substances	.....
	.....	.....

12. Total quantities of substances listed in annex II to the Land-based Sources Protocol discharged in the sea

(calculated on an average daily basis in kg/day)

	Substance	Quantity
12.1.	.....	.....
12.2.	.....	.....
12.3.	.....	.....
12.4.	.....	.....
	etc.	

E. BACKGROUND INFORMATION

13. Brief description of methods used for collection and calculation of average wastewater data given in C. and D. above:

.....

.....

.....

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Name of person or organization completing form .....

Title and official address .....

.....

.....

.....

Date ..... Signature .....