

NOWPAP MERRAC

Northwest Pacific Action Plan
Marine Environmental Emergency Preparedness and Response
Regional Activity Centre



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Report of 8th NOWPAP MERRAC Focal Points Meeting & 1st Competent National Authorities Meeting

MERRAC, Daejeon

24-27 May 2005

**THE EIGHTH NOWPAP MERRAC FOCAL POINTS MEETING AND
THE FIRST COMPETENT NATIONAL AUTHORITIES MEETING FOR NOWPAP REGIONAL
OIL SPILL CONTINGENCY PLAN
(MERRAC, Daejeon, 24 - 27 May, 2005)**

REPORT OF THE MEETING

Background

1. The Action Plan for the Protection, Management and Development of the Marine and Coastal Environment of the Northwest Pacific Region (NOWPAP) and three Resolutions were adopted at the First Intergovernmental Meeting (Seoul, September 14, 1994; UNEP (OCA)/NOWPAP/IG.1/5) by the States in the Northwest Pacific region, namely People's Republic of China, Japan, Republic of Korea and Russian Federation (hereinafter referred to as China, Japan, Korea, Russia, respectively). Resolution 1 identified five priorities for implementation of the Action Plan, one of which is NOWPAP/4: Development of Effective Measures for Regional Cooperation in Marine Pollution Preparedness and Response. At the international level, the International Convention on Oil Pollution Preparedness and Response and Cooperation (OPRC) was adopted in November, 1990 and entered into force in May, 1995.

2. Based on activities carried out by the United Nations Environment Programme (UNEP) and the International Maritime Organization (IMO), such as the expert mission to the region in April 1994 and the Government-designed OPRC Experts Meeting on Sub-regional Cooperation to Enhance National Capabilities in Marine Pollution Emergency Preparedness and Response (Bangkok, November 1995), it was recommended that a Forum be created under the NOWPAP framework for the purpose of exchanging information on marine pollution preparedness and response. The objectives of the Forum were specified as follows: (i) to exchange information on marine pollution preparedness and response; (ii) to develop the NOWPAP Regional Oil Spill Contingency Plan (Plan); and (iii) to develop the Memorandum of Understanding (MoU) on the Regional Cooperation Regarding Preparedness and Response to Oil Spills. The NOWPAP Forum Members, supported by UNEP and IMO, have worked towards achievement of these objectives through the four Forum Meetings held to-date as well as the informal meetings and intersessional work.

3. Following these activities, the Informal Meeting of Experts on Marine Pollution Prevention in the Northwest Pacific was held in Niigata in July 1996. The Forum was launched at its first meeting hosted by the Government of Japan (Toyama, July 1997). At the first meeting of the NOWPAP Forum on Marine Pollution Preparedness and Response, an interim Terms of Reference was agreed to facilitate its future work, and decided on initial tasks and designation of responsibility for the tasks among the member States. The second meeting was held in Daejeon, Korea in April

1998, and agreed on the scope of the continuous work of the Forum members. The third meeting was held in Yuzhno-Sakhalinsk, Russia in July 1999, and reviewed the progress of the initial tasks agreed at the Second Forum.

4. In March 2000, the Marine Environmental Emergency Preparedness and Response Region Activity Centre (MERRAC) was established in Daejeon, Korea based on the agreement of the Fourth Intergovernmental Meeting on NOWPAP (China, April 1999). MERRAC took on the responsibility of functioning as the secretariat for the Meeting, as defined its Terms of Reference.

5. Continuously, the Fourth Forum Meeting was held in Qingdao, China in May 2001 where the draft Plan prepared by IMO was considered. It was agreed that a draft MoU was taken into account the two existing draft MoU's, following the discussions on the type of document to be developed. The meeting also agreed that the Expert Advisory Group Meeting (Japan, November 2001) be organized to discuss the revised draft Plan and the draft MoU prepared by IMO during intersessional period.

6. Upon decision by the Fourth Forum Meeting, the name of the Forum was changed into "NOWPAP MERRAC Focal Points Meeting" and the meeting would be organized periodically at MERRAC each year in May, from the Fifth NOWPAP MERRAC Focal Points Meeting.

7. The Fifth NOWPAP MERRAC Focal Points Meeting held in MERRAC in May 2002 concluded the text of the draft Plan and the draft MoU and decided to rearrange the intersessional activities as the routine work of MERRAC and specific projects co-ordinated by MERRAC. The Sixth NOWPAP MERRAC Focal Points Meeting held in MERRAC in September 2003 considered and approved the draft annexes to the draft Plan (UNEP/IMO/NOWPAP/MERRAC/FPM 6/10) and agreed to forward the draft MoU and the draft Plan to the 8th NOWPAP Intergovernmental Meeting (IGM).

8. The Eighth NOWPAP IGM held in Sanya, the People's Republic of China (China) in November 2003 adopted the Plan as technical and operational guidelines for regional cooperation in cases of oil spill emergencies in the NOWPAP region, and approved the text of the MoU on the regional cooperation regarding preparedness and response to oil spills (UNEP/IMO/NOWPAP/IG. 8/6/1).

9. The Sixth NOWPAP MERRAC Focal Points Meeting also agreed on the text of Draft Terms of Reference (ToR) for the NOWPAP MERRAC Focal Points Meeting (UNEP/IMO/NOWPAP/MERRAC/FPM 7/5), which was approved by the Eighth NOWPAP IGM. Based upon the decision of these Meetings, the regional training course (IMO Level 2 Training Course) was held in Korea in October 2002 and Japan in November 2003, respectively, as the expert meeting.

10. The Seventh MERRAC Focal Points Meeting held in MERRAC in May 2004 agreed that two specific projects on sensitivity mapping and shoreline clean-up among the four MERRAC Specific Projects be concluded, and the revised reports be printed as MERRAC Technical Reports. The Meeting also agreed to initiate new projects replacing these projects during the intersessional period after 7th MERRAC Focal Points Meeting, whose priorities are given to: Minimum Level of Preparedness (China) and Regional Mapping of Vulnerable Resources (Japan). It was decided that 'Competent National Authorities Meeting for NOWPAP Regional Oils Spill Contingency Plan (CNA Meeting)' be organized once a year, in conjunction with the MERRAC Focal Points Meeting, in order to discuss the case of actual incidents, organization of training courses and exercises and other relevant matters (UNEP/IMO/NOWPAP/MERRAC/FPM 7/19).

11. During the intersessional period after the 7th MERRAC Focal Points Meeting, MERRAC hosted the presentation ceremony of the signature of the MoU on NOWPAP Regional Oil Spill Contingency Plan in Busan, Korea, on 2 November 2004 prior to the 9th NOWPAP IGM where the MoU signed by NOWPAP Members were presented to MERRAC. Based upon the decision of the 7th MERRAC Focal Points Meeting, MERRAC also held the Experts Meeting in Qingdao on 15-18 November 2004 in order to discuss and review, at a technical level, various topics related to MERRAC Specific Projects and also the preliminary CNA Meeting in conjunction with the Experts Meeting to discuss the inception and implementation of the Plan (UNEP/IMO/NOWPAP/MERRAC/EM 04).

12. Based upon the decision made by the 7th MERRAC Focal Points Meeting, the 8th MERRAC Focal Points Meeting and 1st CNA Meeting were held on 24-27 May 2005 in MERRAC (Daejeon, Korea). In addition, an international symposium on oil spill preparedness was held in Incheon, Korea as a side event of this Meeting co-organized by the Korea Coast Guard (KCG), the Korea Marine Pollution Response Corporation (KMPRC) and the Korean Society of the Marine Environmental Engineering (KOSMEE). A field oil spill exercise was also held with support from KCG.

13. Representatives of the NOWPAP Members, namely China, Japan, Korea and Russia, the NOWPAP Regional Coordinating Unit (RCU), the International Maritime Organization (IMO), and MERRAC attended the meeting. Representatives of the three NOWPAP Regional Activity Centres (RACs), the Data and Information Network Regional Activity Centre (DINRAC) and the Pollution and Special Monitoring & Coastal Environmental Assessment Regional Activity Centre (CEARAC), and the Pollution Monitoring Regional Activity Centre (POMRAC) also attended the meeting as observers. The list of participants is attached in **Annex I**.

Agenda item 1. Opening of the meeting

14. The Meeting was opened at MERRAC (Daejeon) at 10:00 a.m. on 24 May 2005 by Dr. Chang-Gu Kang, Director of MERRAC. In his opening remarks, Dr. Kang expressed his sincere gratitude to UNEP, IMO, NOWPAP RCU and NOWPAP Members for their support and contributions to the MERRAC activities of marine pollution preparedness and response in the NOWPAP region. Noting that the MoU for the Plan has been signed by the NOWPAP members at the ministerial levels, he extended special thanks to those who contribute NOWPAP MERRAC activities. He also stated that MERRAC will do its best as the Secretariat responsible for the administration and coordination of the Plan.

15. Mr. Bong-Gil Lee, Director General of the Korea Coast Guard (KCG), extended a warm welcome to Korea to all participants. He stated that, taking into account the high risk of oil spill in the NOWPAP sea area, strong regional co-operation system has been in need to minimize the impacts imposed by oil spill incidents. In this regard, the Plan in the NOWPAP region, which has been signed by the NOWPAP members, will play a significant role in building a strong foundation for effective regional cooperation in the field of marine pollution preparedness and response. He wished that this Meeting bears successful and fruitful results.

16. Dr. Alexander Tkalin, Coordinator of the NOWPAP RCU, extended a welcome to all participants and expressed his sincere appreciation to KCG and KRISO/KORDI for their hospitality. He stressed that MERRAC is a good example of NOWPAP activities with respect to outstanding progress such as the MoU and the Plan. He stated that it is necessary to make these documents operational and dynamic, in order to use them as practical guidelines for regional cooperation in case of emergency.

17. Mr. John Ostergaard, Senior Advisor of Marine Pollution, Marine Environment Division, on behalf of Mr. Efthimios Mitropoulos, Secretary-General of the IMO welcomed the participants to the meeting. In his remarks, he stated that adoption of the Plan, which will provide the operational base of regional cooperation regarding marine pollution preparedness and response, is a great advance in the NOWPAP region, and emphasized that IMO would fully support its implementation.

18. Head of delegations of China, Japan, Russia and Korea expressed their thanks to MERRAC for its kind hospitality and for the activities carried out during the signature process of the MoU for the NOWPAP Regional Oil Spill Contingency Plan.

Agenda item 2. Presentation Ceremony

19. During a presentation ceremony of the signature of the MoU on NOWPAP Regional Oil

Spill Contingency Plan was held where signed by the Minister of Communications, China presented to the Director of MERRAC by the Representative of China. By this presentation from China, the signing of the MoU has been finalized by all NOWPAP members.

Agenda item 3. Organization of the Meeting

20. The Meeting elected Mr. Xinzhai Yang, Director of Department of Ship Safety and Pollution Prevention, China Maritime Safety Administration (CMSA), and Mr. Kazumi Miyazaki, Director of Department of International Marine Pollution Prevention, Japan Coast Guard (JCG) as Chairperson and Rapporteur, respectively.

21. The Meeting agreed to apply *mutatis mutandis* the rules of procedure for the Meeting in line with the provisions in the Terms of Reference of the NOWPAP MERRAC Focal Points Meeting (UNEP/IMO/NOWPAP/MERRAC/FPM 7/5).

22. The Director of MERRAC presented the provisional list of documents (**Annex II**), noting that additional documents would be circulated by MERRAC during the Meeting.

Agenda item 4. Adoption of the agenda

23. The Director of MERRAC introduced the Provisional Agenda (UNEP/IMO/NOWPAP/MERRAC/FPM 8/1) and the Annotated Provisional Agenda (UNEP/IMO/NOWPAP/MERRAC/FPM 8/2). The Meeting adopted the agenda in **Annex III**.

Agenda item 5. Overview of the progress made in the intersessional period after the Seventh NOWPAP MERRAC Focal Points Meeting

24. Dr. Alexander Tkalin, Coordinator of NOWPAP, reported the progress of the over all NOWPAP activities after the Ninth NOWPAP Intergovernmental Meeting held in Busan, Korea, on 2-4 November 2004 (UNEP/IMO/ NOWPAP/MERRAC/FPM 8/3/INF1).

25. Subsequently, the Director of MERRAC briefly summarized the activities made during intersessional period after the Seventh MERRAC Focal Points Meeting (UNEP/IMO/NOWPAP/MERRAC/FPM 8/3). He informed on the Presentation Ceremony for signed MoU on NOWPAP Regional Oil Spill Contingency Plan held in Busan, Korea, on 2 November 2004, before the 9th NOWPAP IGM. The MoU was signed at the ministerial level by the NOWPAP members and presented to MERRAC. He further presented the expenditure of the budget of

MERRAC for the 2004/5 Biennium for the MERRAC activities (UNEP/IMO/NOWPAP/MERRAC/FPM 8/4).

Agenda item 6. Review of the progress made for each of the tasks agreed at the Seventh MERRAC Focal Points Meeting, and identification of continuous work

26. The Meeting considered progresses on routine and special tasks as recommended by the Seventh MERRAC Focal Points Meeting (Annex VI of UNEP/IMO/NOWPAP/MERRAC/FPM 7/19), and identified the need of the follow-up activities of each task.

6.1. Routine Tasks

Focal Points

27. Dr. Seong-Gil Kang, Senior Consultant of MERRAC, presented the document (UNEP/IMO/NOWPAP/MERRAC/FPM 8/5). He noted that all NOWPAP members have submitted comments to the list of Focal Points, which was updated accordingly and is now available on the MERRAC website.

Information System

28. The Senior Consultant of MERRAC introduced the report on the Information System (UNEP/IMO/NOWPAP/MERRAC/FPM 8/6). He reported that during the intersessional period all NOWPAP members submitted the updated lists of oil spill response equipment, and institutions and experts in the field of marine pollution preparedness and response available. Especially, it was reported that Korea and Russia have provided information on the list of available equipment for assistance during the joint response operation.

Reports on Oil Pollution Incidents

29. The Senior Consultant of MERRAC introduced the report on Oil Pollution Incidents (UNEP/IMO/NOWPAP/MERRAC/FPM 8/7), and stressed that all NOWPAP members submitted updated list of oil spill accidents occurred during the year of 2004. Since in most accidents involved small and domestic ships with no IMO ship number identification, it was agreed to collect information on the IMO ship number only for the accidents of the international ship. The Meeting exchanged views on the future use of the information on the accident previewed.

30. The Coordinator of NOWPAP suggested the necessity of further information on the fates

and effects for such oil spills together with the list of spills provided by the Members. The Meeting agreed to this suggestion.

6.2. Specific Projects

31. The Senior Consultant of MERRAC introduced the document on the activities of the Meeting of Working Groups of Nominated National Experts (UNEP/IMO/NOWPAP/ MERRAC/EM 04/8) regarding MERRAC Specific Projects held in Qingdao, China, in November 2004. The purpose of the Meeting was to discuss and review the NOWPAP MERRAC 4 Specific Projects at a technical level. He informed on the recommendations for the future work of the MERRAC 4 Specific Projects to this MERRAC Focal Points Meeting (UNEP/IMO/NOWPAP/ MERRAC/FPM 8/8) made.

32. Subsequently, the representative of the leading Country or the leading expert for each specific project presented to the Meeting about their relevant activities including the recommendations from the 2004 MERRAC Expert Meeting held in Qingdao. The detailed recommendation on specific projects and their leading countries are as follows:

- Regional Oil Spill Prediction Model (Korea)
- Regional Mapping of Vulnerable Resources (Japan)
- Regional Policy on Oil Dispersants (Russia)
- Minimum Level of Preparedness (China)

33. Following each presentation, the Meeting discussed the achievements and recommendations to identify the future works related to the Specific Projects. The main conclusion of the discussion for each specific is summarized as follows:

Regional Oil Spill Prediction Model (Korea)

34. Reviewing the recommendations as shown in Annex IV (UNEP/IMO/NOWPAP/MERRAC/ EM 04/8) of the report of the Expert Meeting on regional oil spill prediction model (presented by Dr. Sangjin Lee, Korea), the Meeting agreed to continue the project of development of a numerical model to be applicable to the open sea, as most of existing national models only cover near-shore areas of four NOWPAP Members. The Meeting concluded that it would be beneficial to develop a database on ocean currents, real and forecasted winds, sea surface temperatures, etc. The Meeting discussed the scope and procedure of the work and concluded to focus its activity on the establishment of database and then to apply it into the existing models. The Meeting agreed to discuss the necessity on the development of any new numerical model, based upon the comparison of results produced by the existing models.

Regional Mapping of Vulnerable Resources (Japan)

35. Considering the recommendations as shown in Annex VII (UNEP/IMO/NOWPAP/MERRAC/EM 04/8) of the report of the Expert Meeting on regional mapping of vulnerable resources (presented by Mr. Tetsuji Miyamoto, Japan) and relevant follow-up activities made by the leading country during the intersessional period, the Meeting agreed that it would be beneficial to develop a simplified ESI map and to share it between the NOWPAP Members. The Meeting also agreed to simplify indices of sensitivity as three levels such as very high sensitivity, high sensitivity and sensitive area and to set up the scale of map as 1:7,500,000.

Regional Policy on Oil Dispersants (Russia)

36. Reviewing the recommendation as shown in Annex V (UNEP/IMO/NOWPAP/MERRAC/EM 04/8) of the report of the Expert Meeting on regional policy on oil dispersants (presented by Dr. Gennady Semanov, Russia), the Meeting concluded that it is premature to develop a common tests and approval methods. The Meeting took a note of information made by the Expert Meeting that the use of dispersant within a NOWPAP Members jurisdiction during Joint Response Operations (JRO) should be in accordance with the provisions of the National Contingency Plan and/or policy of the NOWPAP Member concerned. The Meeting agreed to the recommendations of the Expert Meeting to finalize the Specific Project on Regional Policy on Dispersants, and decided to publish the report as a MERRAC Technical Report after adding data related to list of dispersants to be used for our application. The NOWPAP members were requested to submit relevant information to the leading country as soon as possible, at latest, before the end of July.

37. In response to the proposal made by the Russian delegation about Net Environmental Benefit Analysis (NEBA) as a new MERRAC specific project, the Meeting requested the Russian delegation to submit information to facilitate considerations of its feasibility and methodology at next Focal Points Meeting.

Minimum Level of Preparedness (China)

38. Considering the recommendations as shown in Annex VI (UNEP/IMO/NOWPAP/MERRAC/EM 04/8) of the report of the Expert Meeting on Minimum Level of Preparedness (presented by Mr. Jijun Li, China) and relevant follow-up activities made by the leading country during the intersessional period, the Meeting approved this project as a new specific project. The Meeting considered the scope, contents and budget of the project, as the overall scheme of the project is somewhat beyond the NOWPAP capacity. In this regard, Japanese delegation expressed his willingness to introduce a Japanese expert on maritime traffics and movement of oil tankers in the region. The Meeting agreed to a proposal by China and Russia that they would act as leading and co-leading country for this project.

Agenda item 7. Discussion of the proposed workplan and budget for 2006/2007 biennium, and its recommendation to the Tenth Intergovernmental Meeting on NOWPAP

39. The Director of MERRAC presented to the Meeting the draft workplan and budget of MERRAC for the 2006/7 biennium (UNEP/IMO/NOWPAP/MERRAC/FPM 8/9). The draft workplan and budget were adopted as attached in **Annex IV and V**, respectively.

The First Competent National Authorities Meeting for NOWPAP Regional Oil Spill Contingency Plan (MERRAC, 26 May 2005)

Agenda item 8. Overview of the progress made at the Preliminary Meeting of representatives of Competent National Authorities (CNAs) for NOWPAP Regional Oil Spill Contingency Plan and during the intersessional period

40. The Senior Consultant of MERRAC reported on the activities undertaken by the Preliminary Meeting of Representatives of Competent National Authorities (CNA Meeting) for NOWPAP Regional Oil Spill Contingency Plan, held in Qingdao, China, in November 2004 (UNEP/IMO/NOWPAP/MERRAC/FPM 8/10). At the preliminary CNA meeting, all participants were informed on National Contingency Plans (NCP) of other NOWPAP Members, including experiences on oil spill accidents, also discussed technical and operational issues related to the implementation of the Regional Oil Spill Contingency Plan. He invited this CNA meeting to consider and review recommendations made by the preliminary Meeting under the agenda item 10 and 11 of the Meeting, respectively.

Agenda item 9. Presentation and Analysis of National Contingency Plan (by CNA)

41. The representatives of CNAs of the NOWPAP Members presented information on the issues relating to the policies or latest activation of their NCPs (UNEP/IMO/NOWPAP/MERRAC/FPM 8/11). The information provided is as follows:

- China national contingency plan for ship-source pollution (by Mr. Jijun Li, China)
- Strategy and operational plan for oil spill response (Mr. Kazumi Miyazaki, Japan)
- Korea national contingency plan and the latest activities to develop national response system for HNS incident (Dr. Sang-Jin Lee, Korea)
- Russian national and regional contingency plans for oil spill prevention and response at

sea (Mr. Vladimir Karev, Russia)

42. Following each presentation, the Meeting exchanged general views and information in order to increase their understanding on NCPs of the NOWPAP Members and relevant national policies, and latest progresses. The presentation material presented is attached in **Annex VI**.

Agenda item 10. Case Studies and Lessons learned

43. The representatives of CNAs of NOWPAP Members made presentations to the Meeting on case studies regarding recent oil spills or incidents that they had experienced in their respective sea areas (UNEP/IMO/NOWPAP/MERRAC/FPM 8/12). The case studies of oil spills presented are as follows:

- Case Study on MSC Ilona incident (Mr. Jijun Li, China)
- Case Study on Diamond Grace incident and stranded ships (Mr. Takashi Shioiri, Japan)
- Case Study on Xylene spillage incident (Dr. Sang-Jin Lee, Korea)
- Case Study on Cristoforo Colombo Incident (Mr. Anatoly Yanchuk, Russia)

44. The presentation covered details of accidents including the reasons for the accident, resulting oil spill, spill assessment, command system, response and/or salvage operation, cooperation during the response operations, damage to environment, economy, actions taken by the relevant parties, and/or any necessities of regional cooperation, and lessons learned. The presentation materials are attached in **Annex VII**.

Agenda item 11. Consideration of Issues related to NOWPAP Regional Oil Spill Contingency Plan

45. Following the report of the Senior Consultant of MERRAC on the recommendations by the preliminary CNA Meeting on issues related to the implementation of the Plan such as the update of Annex 5 to the Plan, financial matters, and customs and immigration procedures etc. (UNEP/IMO/NOWPAP/MERRAC/FPM 8/13). The Meeting considered their recommendations and agreed as follows:

Update of the Annex 5 to the Plan

46. Through a long and constructive discussion on the replacement of Table 1 included in the Annex 5 of the Plan with a new Oil Appearance Code adopted by the Bonn Agreement in 2000 (BAOAC), the Meeting agreed that it is premature to change the NOWPAP guideline at this stage

as new BAOAC has not been reflected in the relevant IMO manual. The Meeting agreed table should be amended when IMO has revised its colour code.

Submission of supplementary Information on National Strike Teams (Section 2.3 of the Plan)

47. The Meeting reviewed a draft format to collect information on the National Strike Teams of NOWPAP Members to take a part in JROs, which had been prepared by MERRAC based upon recommendations by the Preliminary CNA Meeting, and agreed to use it as basic format after making some modifications to personnel information related to issue of the entry visa to each NOWPAP member.

Financial matters related to mutual assistance (Section 6.2 of the Plan).

48. The Meeting took a note of information on the list of OSRL/EARL for the wage of personnel and the rental rates for the equipments to be engaged in JROs. The Meeting also agreed to collect further references especially from the NOWPAP members, CLC and IOPC fund, etc., in order to include relevant data to the appropriate article of the Plan.

National arrangement on the customs and immigration procedures (Section 6.3 of the Plan)

49. The Meeting agreed that each country should submit the national report on its own national arrangement on the customs and immigration procedures to facilitate the rapid movement of response personnel and equipment between the NOWPAP members for the JROs until next 2nd CNA meeting, which might be referred by the guideline of the IMO Assembly resolution A. 863 (20).

Amendments or corrections to the Regional Oil Spill Contingency Plan

50. The Meeting agreed to the procedures for making changes to the content of the Plan. The NOWPAP Members who suggest to change the text of the Plan shall submit in written form, prior to the CNA Meeting to the MERRAC Secretariat. The suggestion should include the reasons for the suggestion. The MERRAC Secretariat will subsequently distribute such proposals to all NOWPAP Members for consideration and approved by the CNA Meeting and final adoption by the following MERRAC Focal Points Meeting, as appropriate.

The issues identified by the Preliminary CNA Meeting during its table-top exercise

51. The Meeting considered the issues and/or recommendations made by the Preliminary CNA Meeting after a table-top exercise. After discussion, the Meeting endorsed followings:

- Exchange of information with other NOWPAP Members in the event of an incident

should be carried out as quickly as possible.

- MERRAC should be included as one of the contact targets during the notification and when sharing information in the event of an incident.
- The present POLREP format in the NOWPAP RCP may contain insufficient information for the other Member States.
- Checklist and/or action lists of the procedures to be taken by the leading country and other NOWPAP members should be made in the near future.
- A standard time protocol should be adopted recognizing that the NOWPAP Members are located in different time zones (e.g., by using GMT and/or including the expression of LMT)
- A policy of including an introductory message to precede all exercise communications should be introduced to avoid the risk of confusion with a real incident. (It is suggested to write "Exercise-Exercise-Exercise" at the head of all the papers in case of the exercise)
- Regarding the issue to make a guideline to determine whether a distressed vessel is allowed to settle in port or area of refuge, it was agreed to review firstly the relevant guideline of IMO and to discuss it at next CNA Meeting.

Agenda item 12. Discussion on NOWPAP Regional Oil Spill Training and Exercises

52. Based upon the request on the report on the existing national and/or sub-regional arrangement relating to the Joint Training and Exercises being carried out in the region and to be held in the near future, Russia and Japan informed that they would co-organize a joint oil combating exercise in May 2006 in Sakhalin. Other NOWPAP members would be invited to attend/join the exercise. The Meeting welcomed the offer and agreed to consider it as the 1st Joint NOWPAP Exercise.

53. Dr. Jeong-Hwan Oh, Senior Consultant of MERRAC, reported on Regional Training and Exercises being carried out in the Baltic area (UNEP/IMO/NOWPAP/MERRAC/FPM 8/15), which were made by the request of the Preliminary CNA Meeting. He informed on the structures and activities of HELCOM, its types of exercise with an example of Helsinki Exercise. He concluded his presentation with the following proposals: 1) MERRAC may develop its own guideline for Joint Exercise using the Helsinki model, 2) it is necessary to initiate with table-top exercise firstly and then gradually moved into operational exercise, and 3) at the first stage, it is necessary to use existing bilateral and/or multilateral exercise program in the NOWPAP region. The Meeting took a note of information provided by MERRAC.

54. Following presentation on the HELCOM on joint training and exercise, the meeting reviewed the draft NOWPAP Regional Joint Exercises and Guidelines Regarding Oil Spill

Preparedness and Response, which had made by modifying the “Exercise and Related Guidelines” as a part of HELCOM Manual on Cooperation in combating Marine Pollution. The Meeting adopted the draft in principle as the NOWPAP joint exercise guideline attached in **Annex VIII**. The NOWPAP Members were invited to submit any amendments to MERRAC.

Agenda item 13. Arrangement of intersessional work and venues and dates of the Ninth NOWPAP MERRAC Focal Points Meeting and the Second Competent National Authorities Meeting

55. Following the presentation of the Senior Consultant, the routine tasks and the specific projects for the 2005/6 year were rearranged, as attached in **Annex IX**.

56. The 9th NOWPAM MERRAC Focal Points Meeting will be held at MERRAC, in early June 2006, and the 2nd CNA Meeting in Sakhalin in May 2006 in conjunction with the NOWPAP Japan-Russia Joint Oil Spill Combating Exercise 2006 (NOWPAP Delta 2006).

Agenda item 14. Other matters

57. No other issues were raised under this agenda item.

Agenda item 15. Adoption of the report of the Meeting

58. The Rapporteur presented the draft report of the Meeting with its annexes for consideration and adoption.

59. The report was adopted by the Meeting.

Agenda item 16. Closure of the Meeting

60. After the customary exchange of courtesies the Chairperson declared the Meeting closed at 18:20 hrs on Thursday, 26 May 2005.

ANNEX CONTENTS

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Annex I

**List of Participants to the 8th NOWPAP MERRAC Focal Points Meeting and
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Annex I.

**List of Participants to the 8th NOWPAP MERRAC Focal Points Meeting &
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Annex II

List of Documents

Annex II

List of Document for the 8th NOWPAP MERRAC Focal Points Meeting and 1st Competent National Authorities Meeting for NOWPAP Regional Oil Spill Contingency Plan (MERRAC, Daejeon, 24 – 27 May 2005)

Working Documents

| | |
|-------------------------------------|---|
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/1 | Provisional Agenda |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/2 | Annotated Provisional Agenda |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/2/INF1 | List of Documents |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/2/1 | Time Schedule |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/3/INF1 | Report of the NOWPAP Coordinator on the Implementation of the Northwest Pacific Action Plan |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/3 | Report on the Activities of MERRAC made after the 7 th MERRAC Focal Points Meeting |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/4 | Report on the Annual Expenditure of MERRAC Budget for the 2004/2005 Biennium |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/5 | Report on Focal Points |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/6 | Report on the Information System |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/7 | Report on the Oil Pollution Incidents |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/8 | Progress Report on the Implementation |

of the MERRAC Specific Projects

| | |
|---------------------------------|--|
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/9 | Draft Workplan and Budget for MERRAC Activities for the 2006/7 Biennium. |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/10 | Report on the activities carried out at the Preliminary Meeting of Representatives of Competent National Authorities (CNAs) for NOWPAP Regional Oil Spill Contingency Plan |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/11 | Report on issues related to Changes of Policy and Performance of each National Contingency Plan of (a) China, (b) Japan, (c) Korea, and (d) Russia |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/12 | Report on Case Study of (a) China, (b) Japan, (c) Korea, and (d) Russia |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/13 | Draft Report on Implementation of the Regional Oil Spill Contingency Plan |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/14 | Report on National Training and Exercises |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/15 | Report on Regional Training and Exercises |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/16 | Draft Report on Guideline for NOWPAP Regional Joint Training and Exercise |
| UNEP/IMO/NOWPAP/MERRAC/FPM 8/17 | Draft Arrangements of the Existing Tasks and Identification of Additional Tasks for Intersessional Work |

Reference Documents

UNEP/IMO/NOWPAP/MERRAC/FPM 7/19

Report of 7th NOWPAP MERRAC Focal Points Meeting (MERRAC, Daejeon, 18-21 May 2004)

UNEP/IMO/NOWPAP/MERRAC/EM 04

Report on 2004 NOWPAP MERRAC Expert Meeting (Qingdao, People's Republic of China, 15-18 November 2004)

UNEP/IMO/NOWPAP/IG. 8/6/1

Report of the NOWPAP Regional Oil Spill Contingency Plan and MOU approved by the Eighth Intergovernmental Meeting on the Northwest Pacific Action Plan (Sanya, Hainan Province, the People's Republic of China, 5-7 November 2003)

Annex III

Agenda

Annex III

Agenda

8th NOWPAP MERRAC Focal Points Meeting & 1st Competent National Authorities Meeting for NOWPAP Regional Oil Spill Contingency Plan (MERRAC, 24 – 27 May 2005)

1. Opening of the meeting
2. Presentation ceremony of signed MoU on NOWPAP Regional Oil Spill Contingency Plan from People's Republic of China
3. Organization of the meeting
 - 3.1. Election of the officers
 - 3.2. Organization of work
4. Adoption of the agenda
5. Overview of the progress made during the intersessional period after the Seventh NOWPAP MERRAC Focal Point Meeting
 - 5.1. Report of the representative of UNEP and/or RCU on the progress of the entire NOWPAP activities made after Seventh NOWPAP MERRAC Focal Points Meeting, including the Opening Ceremony of the NOWPAP Regional Coordinating Unit
 - 5.2. Report of the Director of MERRAC on the activities and the budget expenditures made during intersessional period after the Seventh NOWPAP MERRAC Focal Points Meeting, including the Presentation Ceremony of the Signatures of MoU regarding NOWPAP Regional Contingency Plan (Busan, November 2004) and 2004 Expert Meeting (Qingdao, November 2004)
6. Review of the progresses made for each of the tasks agreed at the Seventh NOWPAP MERRAC Focal Points Meeting, and identification of continuous work
 - 6.1. Routine tasks
 - Focal Points
 - Information System
 - Report on Oil Pollution Incidents

- 6.2. Specific Projects
(the representative of leading country or the leading expert for each project will report their relevant activities which include results from 2004 Expert Meeting held in Qingdao)
- Regional Oil Spill Prediction Model
 - Regional Mapping of Vulnerable Resources
 - Regional Guidelines for the use of dispersants
 - Minimum level of Preparedness
7. Discussion of the proposed workplan and budget for the MERRAC activities for the 2006/2007 biennium, and its recommendation to the tenth Intergovernmental Meeting on NOWPAP

The First Competent National Authorities Meeting for NOWPAP Regional Oil Spill Contingency Plan (MERRAC, 26 May 2005)

8. Report by MERRAC on the activities made at the Preliminary Meeting of representatives of Competent National Authorities (CNAs) for NOWPAP Regional Oil Spill Contingency Plan
9. Reports by representatives of CNAs on issues related to the National Contingency Plans of NOWPAP Members and relevant latest progress in their respective countries
10. Reports by representatives of CNAs of NOWPAP Members on recent oil spills or incidents
11. Consideration of issues related to NOWPAP Regional Oil Spill Contingency Plan:
12. Consideration on Joint Training and Exercises:
- 12.1. Report by NOWPAP Member States on National Training and Exercises
 - 12.2. Report by MERRAC on Regional Training and Exercise being carried out in other regions
 - 12.3. Development of Guideline for Regional Training and Exercise Programme
13. Arrangement of intersessional work and venues and dates of the Ninth NOWPAP MERRAC Focal Points Meeting and Second Meeting of Representatives of Competent National Authorities for NOWPAP Regional Oil Spill Contingency Plan
14. Other matters

15. Adoption of the report of the meeting

16. Closure of the meeting

- An Oil Spill Field-Exercise (Incheon, 27 May 2005, AM 09:00 – 12:00)
- International Oil Spill Symposium (Paradise Hotel, Incheon, 27 May 2005, PM 13:00 – 18:00)
A representative of each NOWPAP member was kindly invited to make a power-point presentation at the symposium on their own national system relating to marine pollution preparedness and response (each 20 min.)

* Above events were hosted by the Government of Republic of Korea.

Annex IV

Timetable of the Activities of MERRAC for the 2006/2007 Biennium

Annex IV.

Timetable of the Activities of MERRAC for the 2006/2007 biennium

| Date | Activities | Responsible Organizations |
|---------------|--|---|
| - | Intersessional work | Leading country, MERRAC |
| 8-12 May 2006 | The Second Competent National Authorities Meeting for NOWPAP RCP and a Joint Exercise | MERRAC, NOWPAP RCU, UNEP, IMO Host country (Russia & Japan) |
| June 2006 | Ninth NOWPAP MERRAC Focal Points Meeting | MERRAC, NOWPAP RCU, UNEP, IMO |
| - | Intersessional work | Leading country, MERRAC |
| October 2006 | An expert meeting on the technical issues regarding the marine pollution preparedness and response in the NOWPAP region | Host Country, MERRAC, NOWPAP RCU, UNEP, IMO, NOWPAP Members |
| May 2007 | Tenth NOWPAP MERRAC Focal Points Meeting and Expert meeting | MERRAC, NOWPAP RCU, UNEP, IMO |
| October 2007 | Third Competent National Authorities Meeting | MERRAC, NOWPAP RCU, UNEP, IMO, (host country) |
| - | Intersessional work | Leading country, MERRAC |
| 2006 –2007 | <p>Others to be considered as possible future works such as :</p> <ul style="list-style-type: none"> - Chemicals (HNS) - Marine Litter (in cooperation with CEARAC) - Marine Invasive Species and Ballast Waters (in cooperation with DINRAC) - Prevention of ship based pollution (MARPOL, reception facilities), etc. <p>(Not in the order of priority) : (Based upon the decision of IGM)</p> | MERRAC, NOWPAP RCU, UNEP, IMO, and NOWPAP members |

Annex V

Proposed Budget for the 2006/2007 Biennium for MERRAC Activities

Annex V. Proposed budget for the activities of MERRAC for the 2006/2007 biennium

| Activities | Budget (US\$) | | |
|---|--|---------------|----------------|
| | 2006 | 2007 | Total |
| 1. Focal Points Meeting | 25,000 | 25,000 | 50,000 |
| 2. Expert meeting | 20,000 | | 20,000 |
| 2. CNA meeting | 20,000 | 20,000 | 40,000 |
| 3. NOWPAP Joint Oil Spill Exercise (in conjunction with existing Joint exercise in the region) | | - | 0 |
| 4. Specific projects (Lead country) - Oil spill prediction model (Korea) - Mapping of vulnerable resources (Japan) - Minimum level of preparedness (China & Russia) - Others (depending the decision of the 10 th IGM and 9 th FPM) | 40,000 (3 projects to be led by 4 NOWPAP Members) | | 40,000 |
| 5. Coordination with IMO/UNEP and Regional Seas | 10,000 | 10,000 | 20,000 |
| 6. Publications and other miscellaneous costs | 10,000 | 10,000 | 20,000 |
| Total | 95,000 | 95,000 | 190,000 |

Annex VI

Presentation on National Contingency Plan of each Member States

- 1) National Contingency Plan of China**
- 2) National Contingency Plan of Japan**
- 3) National Contingency Plan of Korea**
- 4) National Contingency Plan of Russia**

National Contingency Plan For Ship-source Pollution

Prepared for:
The 8th MERRAC Focal Points Meeting

China MSA

2005.05.24

Structure of the Plan

- **Nine Charters:**
 - General
 - Organization and Responsibilities
 - Risk assessment and Incident Report
 - Response Operation
 - Supports
 - Post-spill Report and Recovery
 - International Cooperation
 - Appendix
 - Reference

Charter one General

- Purpose
- Principles of Operation
- Legal Basis
- Structure of System
- Scopes of Application

Purpose

- Protect marine environment and resources, prevent damages of spill from ships, maintain biological balance, protect health and public interest and promote a sustainable development of marine economy.
- Fulfill the obligations in the relevant international conventions associated with ship spill response covenanted or joined by the People's Republic of China and implement the Regional RCP, such as the NOWPAP Regional Oil Spill Contingency Plan .
- Establish response system of China for oil spill by ships.

Principles of Operation

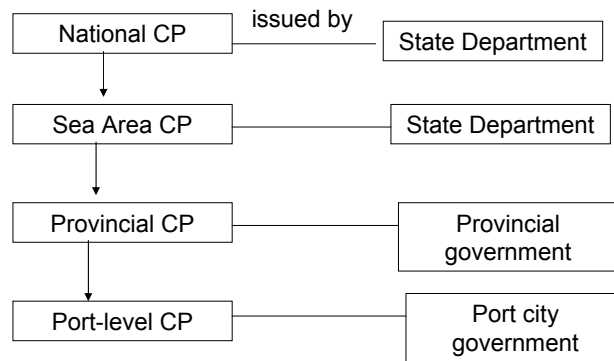
- Hierarchical structure based on central control
- Systematical and effective operation
- Integrated resources and co-operation
- Public participation

Legal Basis

- **Domestic:**
 - Environmental Protection Law of the People's Republic of China
 - Maritime Environmental Protection Law of PRC
 - Regulations Governing Marine Traffic Safety of PRC
 - Prevention Ordinance of Pollution by Vessels to Sea area of PRC
 - China Agenda 21 and other regulations by the State Department.
 - And so on
- **International:**
 - United Nations Convention on the Law of the Sea,
 - MARPOL 73/78
 - International Convention on Oil Pollution Preparedness, Response, and Cooperation, 1990
 - International Convention on Civil Liability for Oil Pollution Damage, 1992.
 - SOLAS Convention
 - NOWPAP Regional Oil Spill Contingency Plan

Structure of System

Four-tiered **Contingency Plan** showed as following:



Scopes of Application

- China inland water, territorial sea, Contiguous zone,, EEZ, Continental shelf and other sea areas under jurisdiction of the people's Republic of China.
- Oil spill and chemical products
- Water areas beyond China jurisdiction which, if results or likely results in pollution to the sea areas under the jurisdiction of China.
- Among of the jurisdiction of two and more provinces
- Scope of application of provincial and port-level contingency plans stipulated in the respective plan accordingly

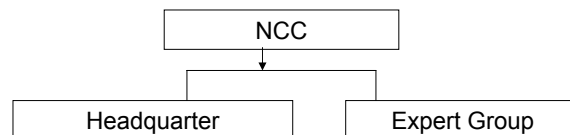
Charter two

Organization and Responsibilities

- Organization
 - National Coordinating Center (NCC)
 - On-Scene Coordinating Center (OSCC)

National Coordinating Center (NCC)

- Organization
 - Coordinator of NCC: in-charge minister of ministry of communications
 - Members from relevant ministries
 - Headquarter established in China MSA
 - Expert Group from different industries and departments



National Coordinating Center (NCC)

Responsibilities:

- Implement the CP
- Press releases
- Issue Policies
- Coordinate teams and resources
- Request for regional and international assistance and provide assistance

Members of NCC

- China MSA: coordinate members and response operations, and verify the effect of response, loss and damage
- Other ministries: participate response operation according to their individual responsibilities by law.

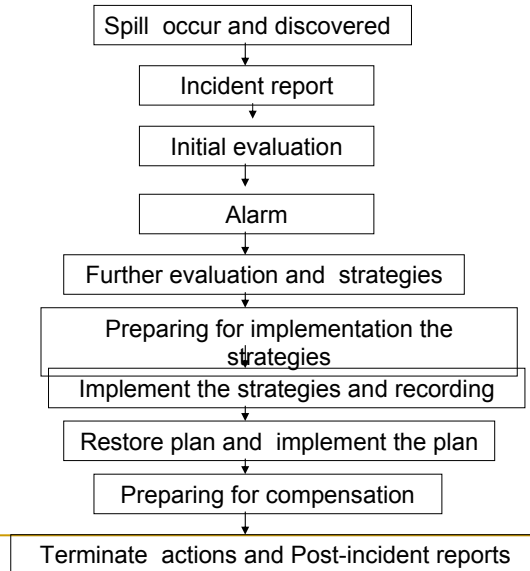
Charter three: Preparedness and Alarm

- Risk Assessment
- Sensitivity Area
- Press releases, training, exercise
- Supervision by government
- Alarm or report requirements
- Supporting system for alarm

Charter four: Response Operations

- Activation of the CP
 - Out of the geographic scope of provincial CP
 - Spill out of the capability of province
 - Spill in Neighbor countries or receive assistance request from other countries
- Information disposal or communication
- Evaluation
- Coordination and control
- Operations

Operations flow



Charter five: Supports

- Response equipments
- Response teams
- Technical support
- Logistics support
- Funding

Charter 6: Post-spill Disposal

- Investigation and administrative disposal
- Claim and Compensation
- Environment Restore
- Pollutant disposal
- Post-incident report

Charter 7: International Cooperation

- NCC request for regional and international assistance and provide assistance
- Regional CPs:
 - NOWPAP Oil Spill CP
 - Taiwan Strait CP for Pollution from Vessel

Appendix

- **Terms and Definition**
- **Management of the CP**

Welcome comments

and

THANKS

Strategy and Operational Plan for Oil Spill Response

(under the National Contingency Plan of Japan)

Marine Environment Protection and Disaster Prevention Division
Japan Coast Guard

1

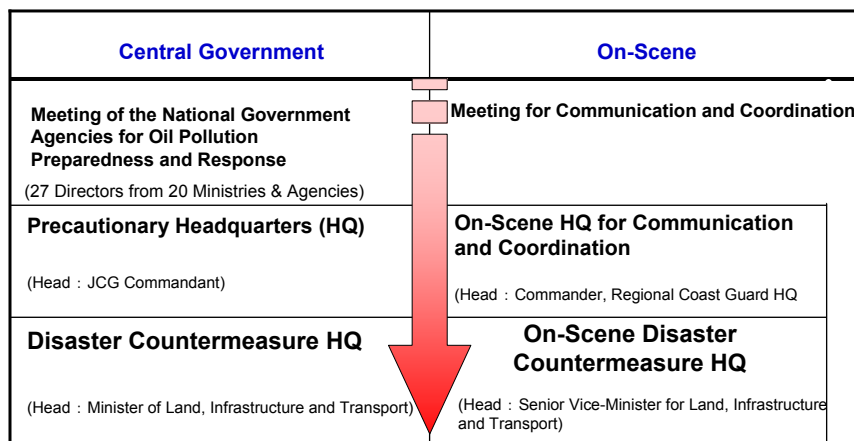
National Contingency Plan of Japan

- was developed in 1997 based on International Convention on Oil Pollution Preparedness Response and Co-operation (OPRC Convention), 1990
- sets down the national framework for oil pollution preparedness and response
- Includes establishment and maintenance of the system, communication, preparation of equipment, exercise, response to oil pollution, evaluation of oil pollution incident, mutual cooperation among related governmental agencies, and so forth

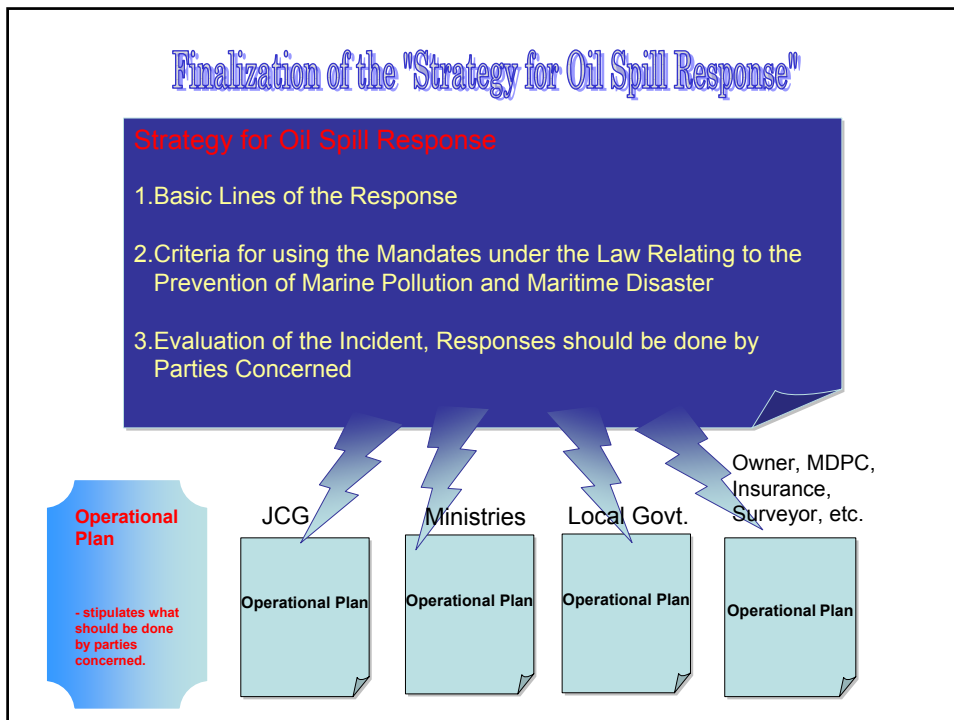
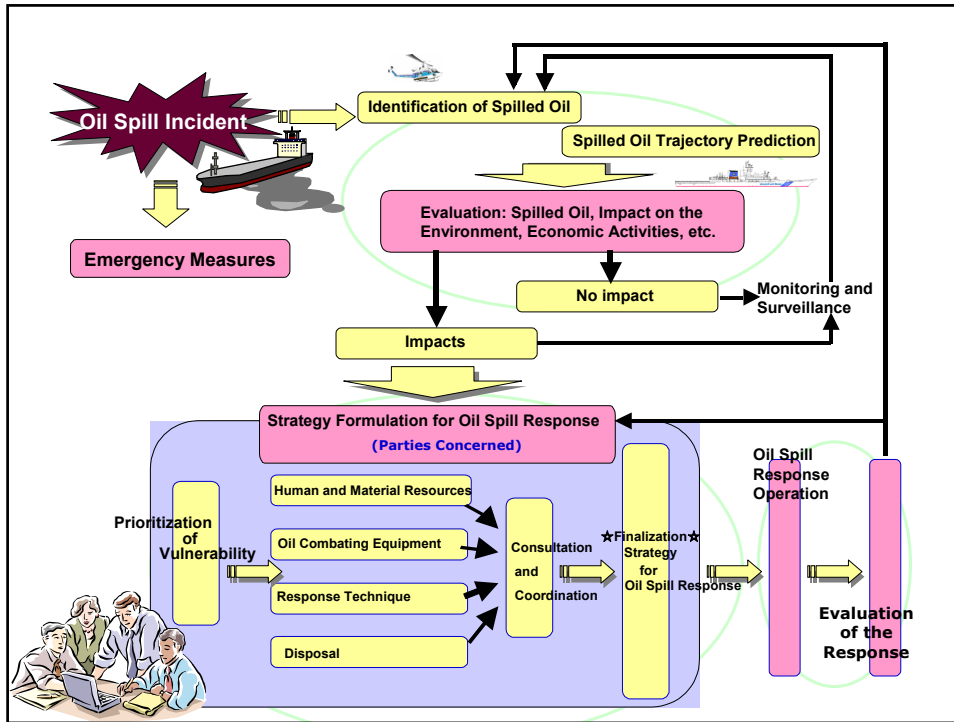
Regional Contingency Plans

- were developed by JCG Commandant based on the Law Relating to the Prevention of Marine Pollution and Maritime Disaster
- clarify and define necessary matters of oil pollution preparedness and response taking into account the National Contingency Plan
- are described with respect to 16 regions
- provide the response required for the envisioned incidents assumption in each region

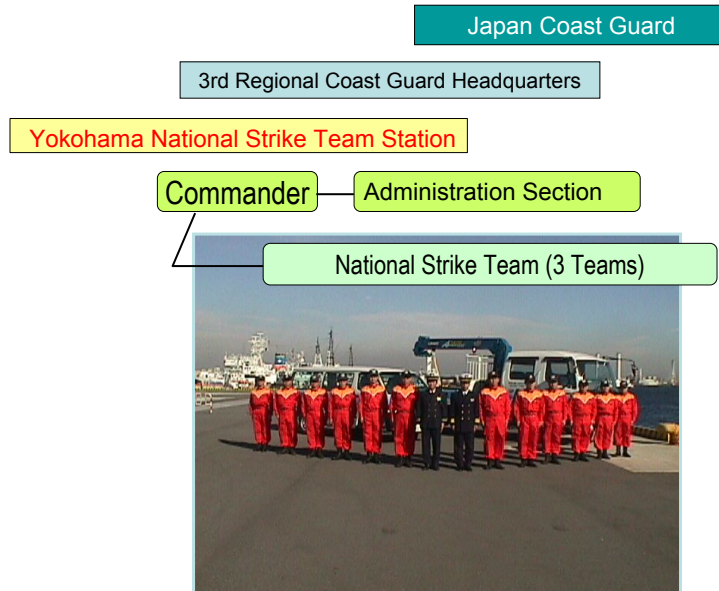
National Organization for Oil Spill Response



※ The Meeting for Communication and Coordination consists of members from RCGHQ, local government, fishery industry, ship owner, surveyor, and others.



National Strike Team



7

Missions of NST

○ Response to Oil & HNS Spill Incidents

- Identification: Spilled Oil
- Evaluation: Spilled Oil, Impacts, etc.
- Strategy Formulation for Oil Spill Response
- Advise to Commander, JCG Offices and Parties Concerned
- Actual Operations
- Evaluation of the Response



○ Routines

- Research / Study
- Training / Exercise / Drill
- International Cooperation
- Organization of Symposium, Seminar, etc.
- Dispatch of Experts to Symposium, Seminar, etc.





Table of Contents

- I Introduction**
- II Oil Pollution Response System**
- III Preparedness to Oil Pollution Incidents**
- IV HNS**

The image shows a page titled 'Table of Contents'. The title is in a blue oval. Below it, there is a list of sections: I Introduction, II Oil Pollution Response System, III Preparedness to Oil Pollution Incidents, and IV HNS. The page has a blue header and a white background.

Introduction

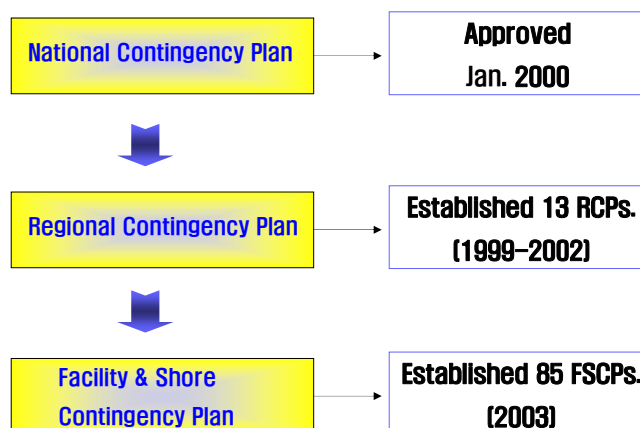
Purpose

- to establish a nation-wide response system
- to minimize potential damage, protect health and property of citizens

Scope of Application

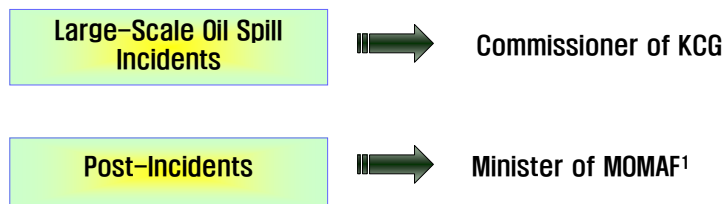
- cover oil spill incidents occurring within terrestrial sea, internal waters and EEZ of the R.O.K.

Introduction – (Cont'd)



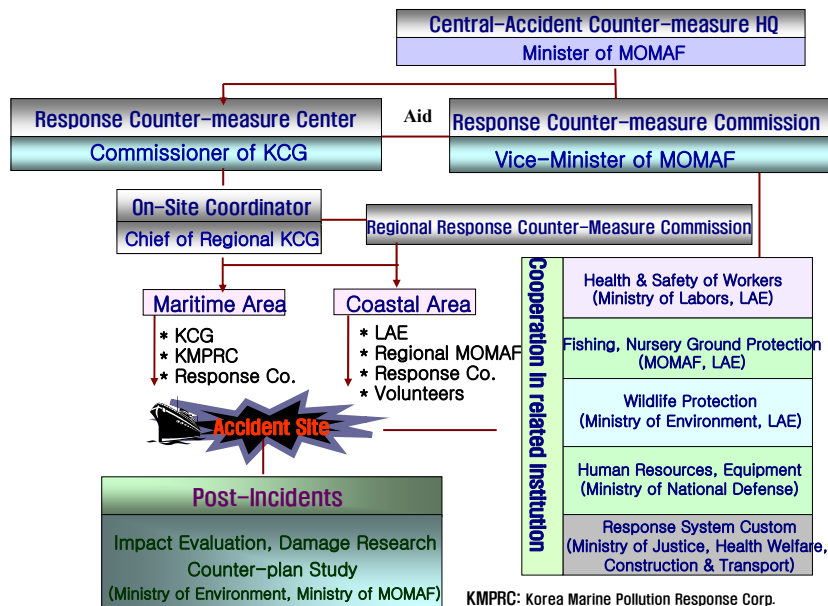
II. Oil Pollution Response System

- ◆ Headquarter of Pollution Response Counter-Measure
- ◆ Marine Pollution Counter-Measure Response Committee
- ◆ Regional Marine Pollution Counter-Measure Response Committee



● MOMAF¹: Ministry of Maritime Affairs & Fisheries

II. Oil Pollution Response System—(Cont'd)



III. Preparedness

Establishment and Implementation of the Regional Contingency Plan (RCP)

– Commissioner of KCG –

RCP Includes

- Estimation of Worst-Case of Oil Spill
- Preparedness of Vessels & Other Equipment
- Communication & Information Exchange
- Clean-up Operations & Prevention of Damage

III. Preparedness– (cont'd)

1 Sharing Relevant Information

– A Commissioner of KCG

2 Consideration of Objects to be Protected

– A Chief of Relevant Local Authorities

3 Investigation of Polluted Sites

– A Commissioner of KCG
– A Minister of MOMAF for Assessment (Influence)

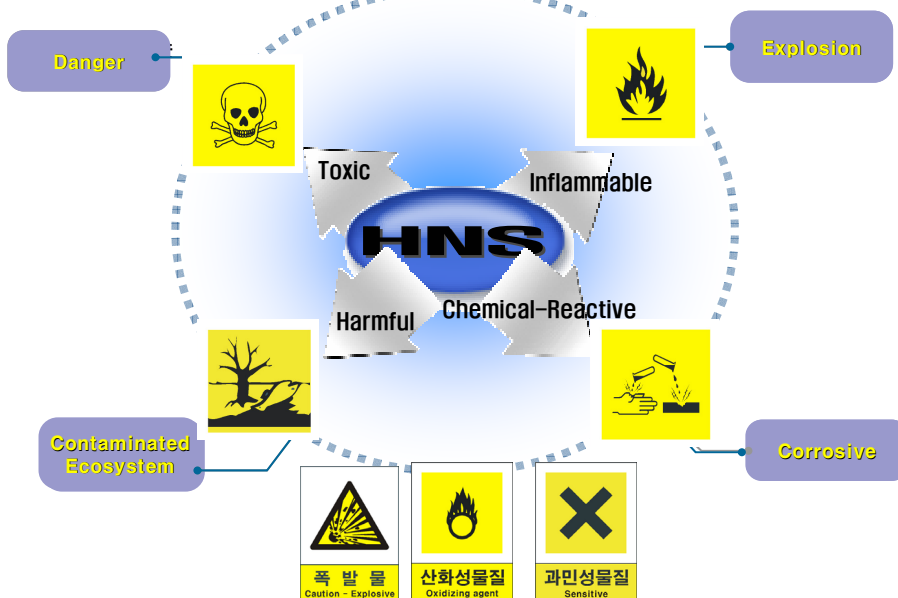
4 Decision of Response Methods

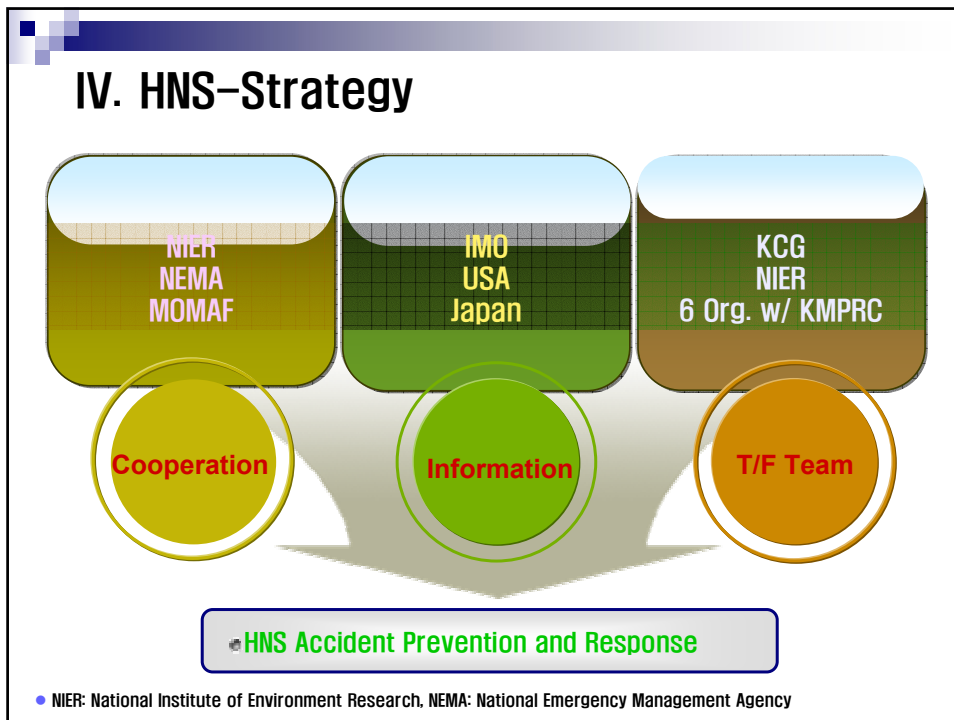
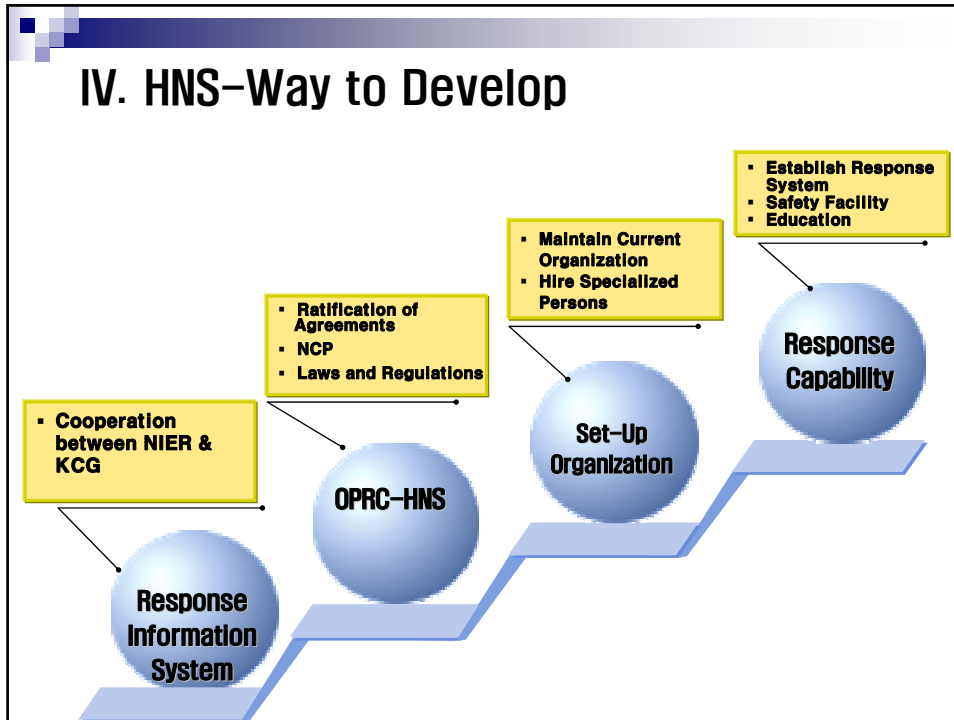
– A Commissioner of KCG

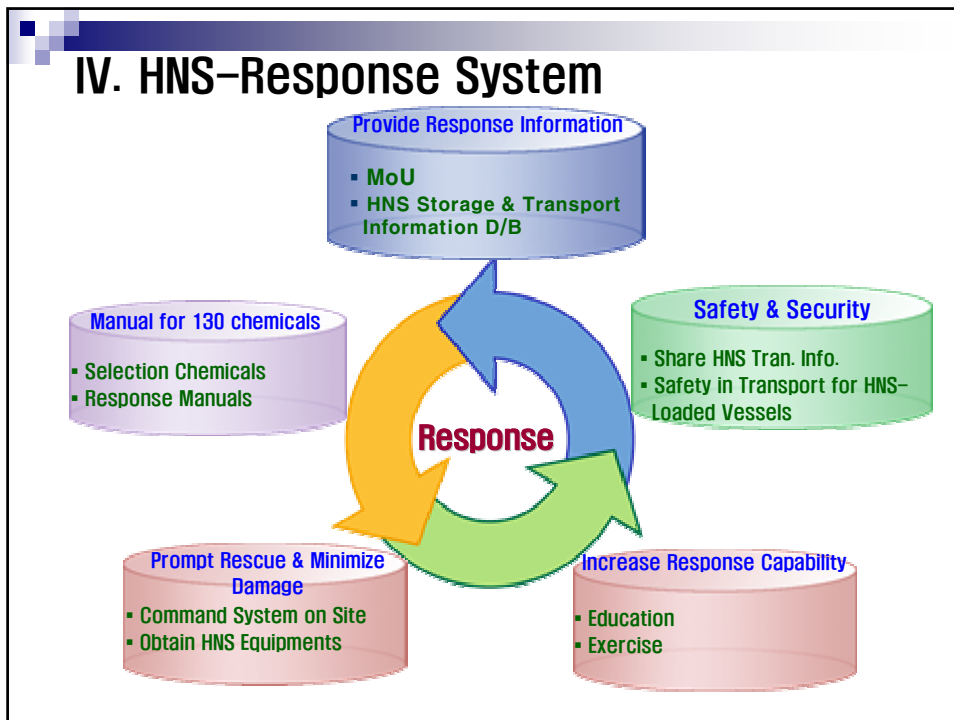
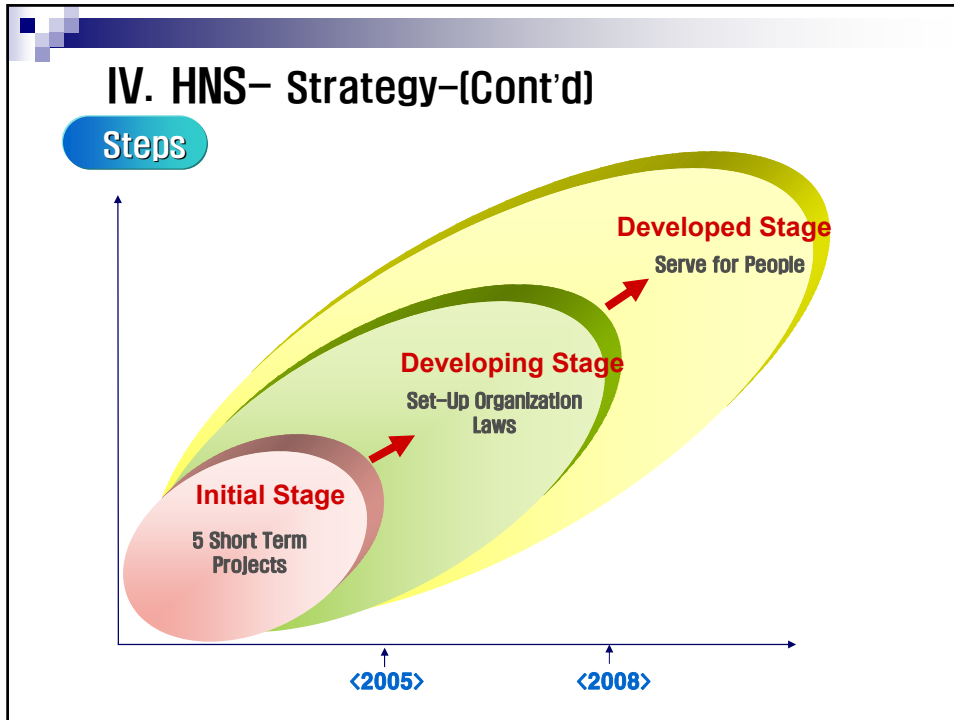
III. Preparedness- (cont'd)

- 5 Urgent Actions for Oil Spill Combating
- 6 Health and Safety of Workers in the Clean-Ups
- 7 Protection of Fishing and Aquaculture, and Relief of Wildlife
- 8 Health and Safety of Workers for the Clean-Ups
- Ministry of the Labor provides information to KCG
- 9 Management of Post-Incidents
-Monitor and Investigate Damages

IV. HNS-What is HNS?







Thank You for Your Attention!



www.kcg.go.kr



STATE MARINE POLLUTION
CONTROL, SALVAGE & RESCUE
ADMINISTRATION OF THE
RUSSIAN FEDERATION
(MPCSA OF RUSSIA)

**RUSSIAN FEDERAL AND REGIONAL
(BASIN) CONTINGENCY PLANS FOR
OIL SPILL PREVENTION AND
RESPONSE AT SEA**

NOWPAP/MERRAC/FPM 8
24-27 May 2005

Contingency Planning

- ☑ Purpose & types of plans
 - Tiered Response approach*
 - Tier 1 – local/organizations which activities deals with oil and oil products
 - Tier 2 – basin
 - Tier 3 – Federal
- ☑ Components of a plan
- ☑ Development of a plan
 - based on national and international requirements

NOWPAP/MERRAC/FPM 8
24-27 May 2005

CONTINGENCY PLANS FOR OIL SPILL PREVENTION AND RESPONSE AT SEA

were developed in accordance with the provisions

- Of the National legislations
 - On Defense of Population and Territories from Emergency Situation of Natural and Technological Origin, 1995;
 - On Priority Measures for Prevention and Response to Oil and Oil Products Spills, 2000;
 - On Procedures of Organization of Arrangements for Arrangements for Prevention and Response to Oil and Oil Products Spill on the Territory of the Russian Federation, 2002
- Of the International Convention on Oil Pollution Preparedness, Response and Co-operation, 1990 (OPRC Convention)

NOWPAP/MERRAC/FPM 8
24-27 May 2005

RUSSIAN FEDERAL CONTINGENCY PLAN FOR OIL SPILL PREVENTION AND RESPONSE AT SEA

was developed on the order of the RF Ministry of Transport and adopted by

- RF Ministry of Transport
- RF Ministry of Natural Resources
- RF Ministry of Civil Defense Issues and Emergency Situation and Response to Natural Disasters (EMERCOM)

In July 2003

NOWPAP/MERRAC/FPM 8
24-27 May 2005

PRINCIPE OF ORGANIZATION OF NCP

NCP is based on:

- ☒ Regional (Basins) CP
 - Baltic sea,
 - West and East Arctic seas,
 - Sakhalin area,
 - Far Eastern area,
 - Caspian sea,
 - Black sea.

NCP covers:

- ☒ Search and Rescue Regions of the RF

IMPLEMENTATION OF THE PLAN

is carried out by:

RF Ministry of Transport

- ☒ Via State Marine Pollution Control, Salvage and Rescue Administration (MPCSA) and its regional subdivisions

with involvement

- ☒ forces and equipment of others Ministries, Organizations and Oil Industry

Russian Regional Contingency Plan for Oil Spill Prevention and Response at Okhotsk and Bering Seas and Sakhalin Area

- ☐ was developed on the order of the RF Ministry of Transport and adopted by concerned organizations **in 1996**
- ☐ has been updated in 2003
- ☐ now is passing through approval procedures

NOWPAP/MERRAC/FPM 8
24-27 May 2005

Russian Regional Contingency Plan for Oil Spill Prevention and Response at Okhotsk and Bering Seas and Sakhalin Area

CONTENTS

1. Purpose and objective
2. Basic information
 - geographic boundaries
 - transport characteristic
 - risk assessment of oil spill
3. Response system and policy
4. Organization
 - planning
 - response organization
5. Communication, information sharing
6. Response Strategy
7. Logistics
8. Training and exercise
9. Health and Safety Policy
10. Funding and Cost documentation

NOWPAP/MERRAC/FPM 8
24-27 May 2005

Russian Regional Contingency Plan for Oil Spill Prevention and Response at Okhotsk and Bering Seas and Sakhalin Area

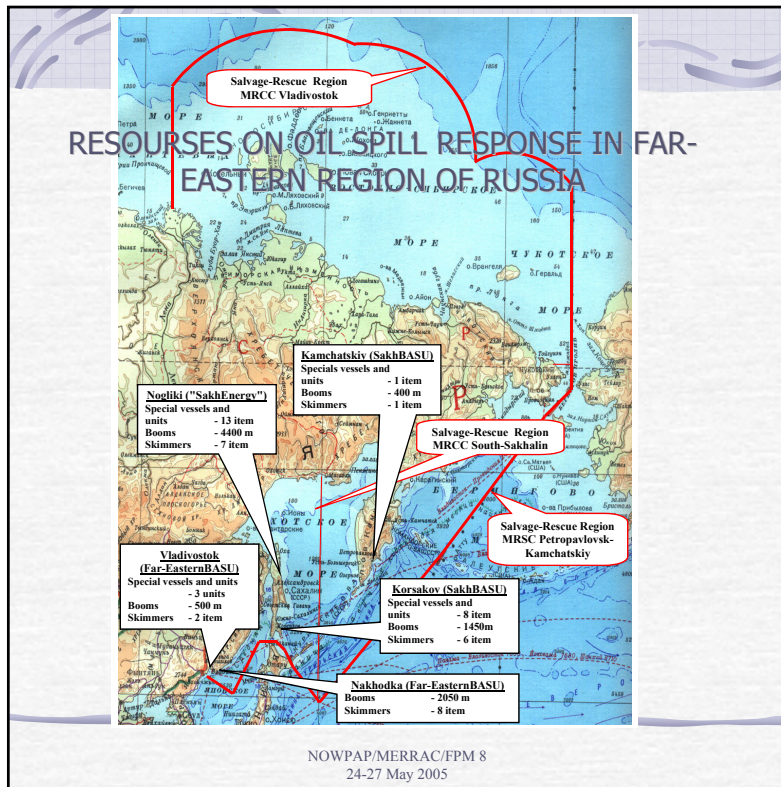
- ☐ was developed bearing in mind the existing contingency plans of organizations to be deals with oil exploration and offshore activities as well as oil transportation and storage in the zone of responsibility of the Russian Federation:
 - JSK "Petrosakh",
 - Sakhalin-2
 - "Rosneft-Sakhalinmorneftegas Ltd"

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24-27 May 2005

Russian Regional Contingency Plan for Oil Spill Prevention and Response at Okhotsk and Bering Seas and Sakhalin Area

- ☐ is made provision for preparedness and response to any pollution incidents by oil and oil products at the operational sea response zone of the Russian Federation by SahkBASU's means and resources with involved of relevant resources located in the zone in question or outside if needed

NOWPAP/MERRAC/FPM 8
24-27 May 2005



Annex VII

Presentation on Case Studies on the Oil Spill Incidents of each NOWPAP Member States

- 1) Case Study on Oil Spill Incident of China**
- 2) Case Study on Oil Spill Incident of Japan**
- 3) Case Study on Oil Spill Incident of Korea**
- 4) Case Study on Oil Spill Incident of Russia**

Case Study

“12.07” Oil Spill Response

Prepared for:

The 8th MERRAC Focal Points Meeting

China MSA

2005.05.24

Background of incident

- Vessel: MSC ILONA(German,container ship)
- Time of incident: 2135 on 7 December 2004
- Location: 22° 06.4'N, 114° 27.2'E.
- Reason: MSC ILONA collided with HYUNDAI ADVANCE (Panama, container ship)
- Result of collision:
 - nearly 90 degree striking angle caused MSC ILONA a big crack in a ladder-shape, 13 meter and 3 meter wide and 10 meter high, in the stern part of its port side
 - Amount of oil spilled: 1268 ton heavy fuel oil
 - No casualties no sink

Location



Result of collision: MSC ILONA



Result of collision: MSC ILONA



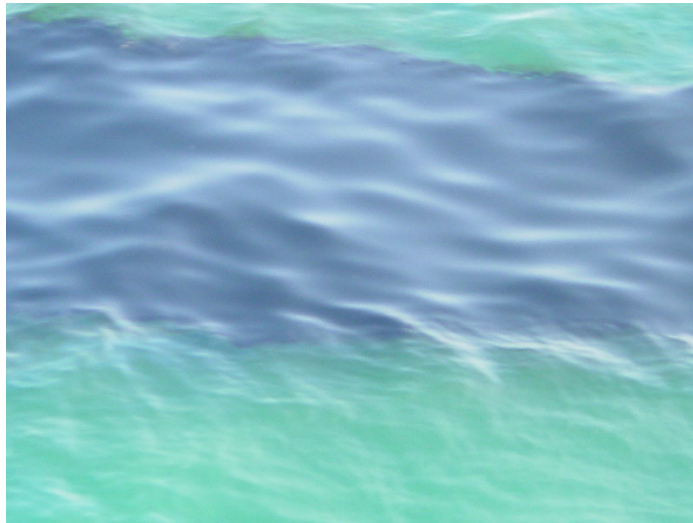
Result of collision: HYUNDAI ADVANCE



Oil spilled from MSC ILONA



Oil spilled from MSC ILONA



Amount of oil spilled

- Total 1341 tons heavy fuel oil in three fuel tank.
- 1268 ton spilled
- Oil scope: 9 nautical miles length and 200m width at sea on the morning, 8 December

Response flow

- 1 Incident report
- 2 Initial evaluation
- 3 Activate NCP
- 4 Further evaluation and develop strategies
- 5 Implementation the strategies
- 6 Evaluating the effect of response
- 7 Claim and compensation
- 8 Terminate actions and Post-incident reports

1 Incident report

- At 2223, 7th December, Guangdong MSA received initial report from Hong Kong competent authority
- Report to China MSA by Guangdong MSA

2 Initial evaluation

- Amount of oil spilled
- Sensitivity Area
 - 8 nautical miles from the shore of Dangan isle, 3 nautical miles from sea area of Honkong
 - Natural protection Area
 - Aqua-cultivating area

3 Activate NCP

- China National Marine Contingency Plan was activated after initial evaluation
- Coordinating center and on-scene coordinating center were established
- Communicating between members of NCP

4 Further evaluation and develop strategies

- Experts on-scene evaluated further oil pollution
- Surveillance consistently
- Developed combating strategies:
 - Control and recover at first stage
 - Then chemical disperse and sorb

Expert evaluation meeting



5 Implementation the strategies

- Participation from:
 - Specialized combating teams
 - Government agencies
 - Fishing vessels
- On-scene expert group and law group were established
- Incident investigation group and On-scene response coordinating group were also established by OSCC

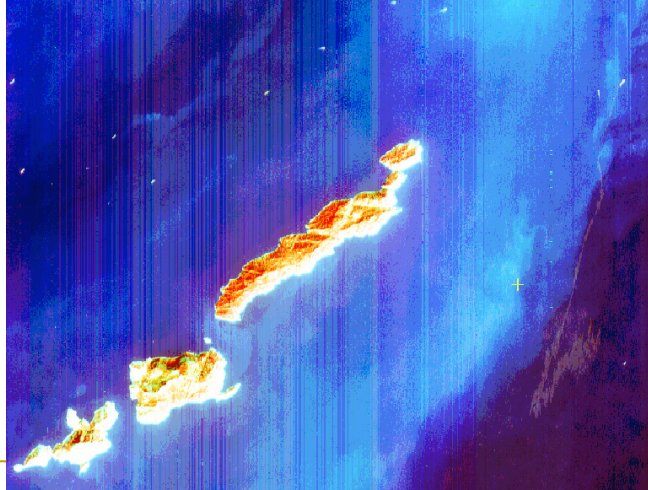
Control and recover



Surveillance by aircraft



Satellite monitoring system was also activated to identify the spill with China Fly satellite and France Spot satellite



5 Implementation the strategies

- 9 days to combat oil spilled
- Above 10 time of aerial surveillance
- Above 200 voyages of combating boats participated the operation
- Above 1,000 personal
- And other equipments and material
- 200 tons of oiled garbage and 400 tons oil-water mixture

6 Evaluating the effect of response

- the spilled oil was effectively contained and recovered
- no significant pollution damages to the coastal waters and sensitive resources along Zhu Jiang River

6 Evaluating meeting after response



7 Claim and compensation

- Preparing for compensation during the response by law group
- Recording timely
- Claim on-going now.

8 Terminate actions and Post-incident reports

- At 1700, 16th December, actions were terminated by NCC after evaluating the effect of response.
- Post-incident reports finished

Welcome comments

and

THANKS

Diamond Grace

◆ Outline of the Accident

- On 2nd July 1997, at around 10:05 AM, the Panamanian-registered tanker *DIAMOND GRACE* (147,012 GRT) scraped a reef in shallow waters at a point approx. 6 km out from Honmoku Shore of Yokohama City.
- The cargo tank was ruptured, causing crude oil leakage into the sea.
- The final estimated leakage amount was confirmed to be approx. 1,550 kl.



◆ Oil Spill Response

- At 11:00 AM on 2nd July, the Japanese government established a Precaution Headquarters (Head: Commandant of JCG) in the JCG.
- Also a Headquarters for Communication and Coordination was established within the 3rd Regional Coast Guard Headquarters.
- At 2:00 PM on the same date, in response to the disaster conditions, a Headquarters for On-Scene Disaster Countermeasures (Head: Minister of Transport) HQ was established.



◆ Oil Spill Response

- By 3rd July, the spilt oil dispersed to a maximum size of approx. 15 km in the north-south direction and approx. 18 km in the east-west direction.
- More than 330 vessels, including patrol vessels, escort vessels, and ships of related organizations were mobilized
- Although part of the oil reached Ukishima and Higashiougishima off Kawasaki and Honmoku Pier at Yokohama City, a substantial amount of high-density floating oil was recovered by 9:30 PM on 4th July and no floating oil was observed after early morning of 6th July.



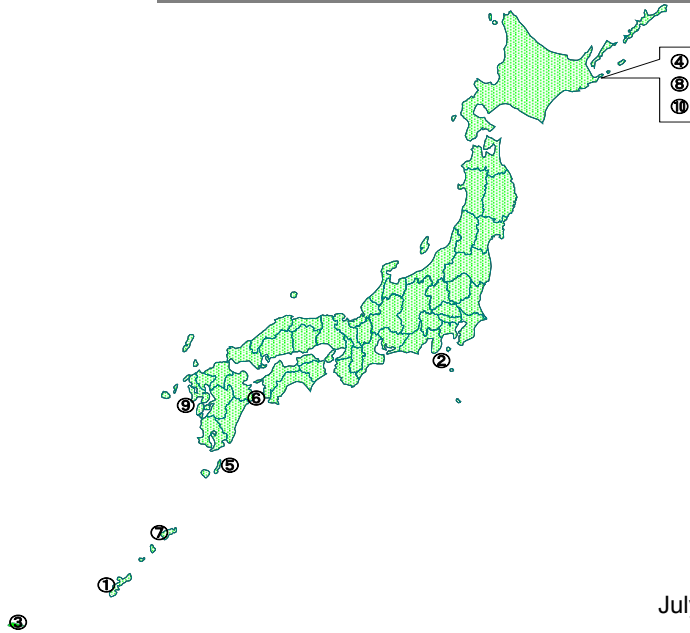
- On 11th July, the Headquarters for On-Scene Disaster Countermeasure HQ was closed.



The foreign stranded vessel



The foreign stranded vessel



July 2003

Measures against the foreign stranded vessel



Amendment of “the law on Liability for oil pollution”



Bounty system for local government



The stranded vessel

The source of Press “KAIGAN”

Thank you very much for your
attention



Xylene Spillage



KOREA COAST GUARD

2005. 5.

Table of Contents

- 1 Introduction**
 - Area Affected
 - Xylene Characteristics
- 2 Response Activity**
 - Initial Step
 - Response Organization
 - Response Activity
 - Dispatch Status
 - Collection of Waste-Oil & Wastes
- 3 Lessons**



Introduction

- Duration : 2004. 12. 24. 05:55
- Place : Kyungnam Ulzugun Onsaneub Onsan Port
- Descriptions of Incidents
 - Name of Facility : HNS Storage Co.
 - Capacity : No. of Storage Tanks, 114; Amounts, 478,300 kl
 - Story : In the middle of pipeline installation for industrial water, disruption of pipes undermined drove leakage of Xylene (10.15 kl)



Area Affected

- In Maritime : Onsan Port, Length 100m X Width 20m
- Inland : Soil 230.6m³ & Drainage Area 200m



Characteristics of Xylene

- Liquid
- Color : Colorless
- Smell : Uncomfortable Smell
- Molecular Equation : $C_6H_4(CH_3)_2$
- Characteristics
 - Inflammable or Explosive under Static condition
 - Easy to Extend by ignition from the origin when it is in vapor or gaseous phase
 - Easy to ignite when “Heat, Spark” exist
- Damage to Human
 - When Inhaled, Symptoms such as “Vomit”, “Trouble in Inhalation”, “Headache”, “Sighting”, “Eye-damaged” may occur



Response Activity

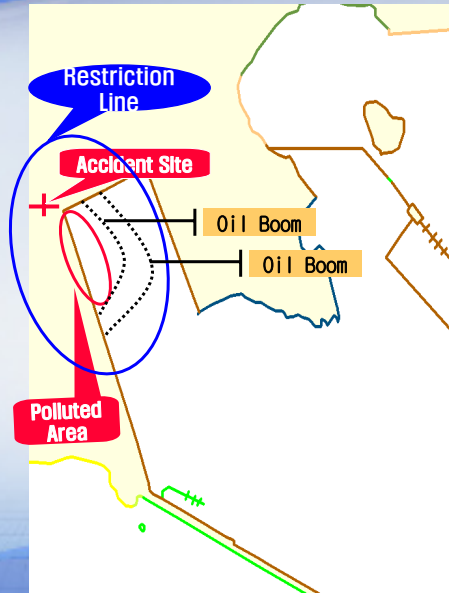
Response Strategy

- ❖ Entry Control for Safety
 - Set-up restriction area 1km from the origin
 - No Public Accessible to the Site
- ❖ Handling of Xylene
 - Oil-boom to prevent spread of oil
- ❖ Xylene Recovery
 - Conduct recovery activity using oil skimmer & vehicles equipped with vacuum pump



Initial Step

- Control at the site not to allow public entry
- Oil-boom (300m, two-layered) to prevent of spreading out
- Input Oil Skimmer for Response Activity



Conduct Response Activity

- Use weir style oil skimmer & vehicles equipped with vacuum pump
- Use Pad-style and Gel-Packed absorbents
- Clean pipelines & remove contaminated soils



Mobilization

| Classifi- cation |  |  |  |  |  |  |  |
|---------------------|---|---|---|---|--|---|---|
| | (No.) | (No.) | (No.) | (m) | (kg) | (No.) | (No.) |
| KCG | 2 | 42 | 1 | | 50 | | |
| KMPRC | 2 | 35 | 2 | | | 2 | 3 |
| Response Co. | 1 | 33 | | | 300 | | |
| S-OIL | 2 | 10 | | 300 | 100 | 2 | |
| Daeil Chem. | | 3 | | | 300 | | |
| Sum | 7 | 123 | 3 | 300 | 750 | 4 | 3 |

Collection of Waste Oil & Wastes

- ❑ Xylene Mixtures : ~ 155 kl
- ❑ Solid Wastes : ~ 0.8 ton



Problems We Found

- ❑ Weir-Style Oil Skimmer, MINI MAX was employed into the site, melting of the part made of rubber occurred
- ❑ Pad-Style Oil Absorbents applied, however, not working
- ❑ Never use any response instrument made of rubber such as storage facilities etc..



Things to be considered

- ❑ Use appropriate instrument that is suitable for HNS characteristics
- ❑ Packed-Style Absorbents enclosed with Gel is advised to be used
- ❑ Needs to develop manuals and systems for the preparedness and response against HNS spill accidents

Lessons

- **Swift Response to Minimize Damage in Environment**
 - Find Polluter by operating united investigation team with Stakeholders
 - Prompt Analysis → ID of Pollutants → Establish Response Activity
- **Effective Response Activity with suitable response equipment & usage of supplies**
 - Use Gel-Packed Absorbent with Gel inside
 - Xylene Collection in an aid of weir-style oil skimmer
- **Things to Remember**
 - Advised not to use Pad-Style Oil Absorbent (no Absorption)
 - Advised not to use Disc & Brush Skimmer for oil having low viscosity

**Thank You
for Your
Attention!**



Report by Mr. Anatoly Yanchuk

Cristoforo Colombo Incident

8 September 2004



RF MINISTRY OF TRANSPORT
STATE MARINE POLLUTION CONTROL SALVAGE AND RESCUE ADMINISTRATION
SAKHALIN BASIN
EMERGENCY RESCUE DEPARTMENT

52 Portovaya street, Korsakov, Sakhalin region, Russia. 694000.
(42435) 22322, 40528, 42290, fax: (42435) 40407, telex: 412613 ssc/sss.
AT 152819 BOTIK Inmarsat: 872811407525, fax: 872811407525, ttx: 5821407525
E-mail: sakhbasu@morflot.ru



Cristoforo Colombo Incident

■ Date

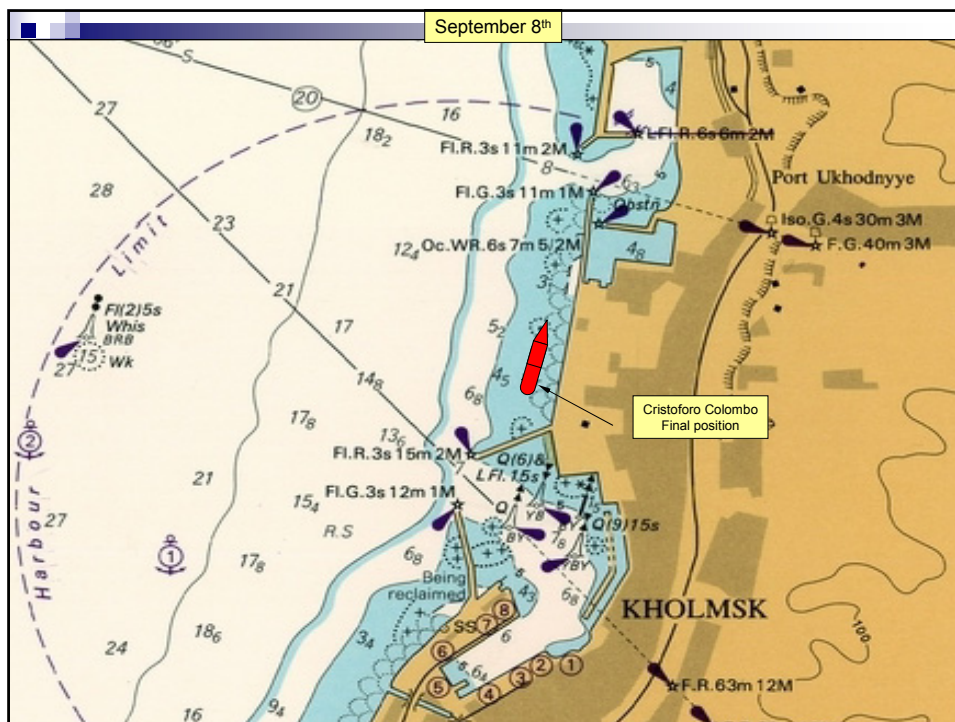
- 8 September 2004 time 21:50

■ Incident:

- Dredge vessel “Cristoforo Colombo” runs aground 50m offshore between Kholmok Commercial and Fishing Ports. Crew of 29 on board.

■ Causes:

- Loss of Vessel Engine Power
- Inability to hold station with anchors
- Typhoon



Cristoforo Colombo Incident

■ Injuries:

- None Reported

■ Initial Damage Estimate:

- Two five heavy fuel oil tanks ruptured possible 120 tonne loss
- One diesel fuel oil tank ruptured –possible loss of 70 tonnes
- Engine Room holed and taking on water
- Final estimates are 28 tonnes of oil lost in total

■ Vessel's Oil Content at Time of incident :

- 5 HFO tanks containing 161 tonnes HFO
- 4 MDO tanks containing 160.5 tonnes MDO

Time Line – Initial 24 Hours

| 20:00 | 20:00 | 20:20 | 20:30 – 20:40 | 20:40 – 21:00 | 20:53 | 21:00 |
|---------------------------------|-----------------------------|--|----------------------------------|--------------------|-----------------------------|------------------------|
| Vessel remains at Anchor | Deteriorating Weather | Captain calls for main engines | Stbd Engine Online | Port Engine Online | Low fuel oil pressure alarm | Loss of Engine RPM |
| | Northerly Force 7 | NW Force 11-12 | Captain orders anchor raised | | First Loss of Engine Power | Stopped heaving anchor |
| 21:00 - 21:05 | 21:11 | 21:13 | 21:15 – 21:25 | 21:30 | | |
| Vessel head swings to Starboard | Changed to Marine Diesel | Both engines in auto Shutdown | Both forward anchors lowered | Vessel aground | | |
| Dragging anchor | Vessel drifts towards shore | Stopped heaving in – 3 shackles in water | Stern anchor lowered | | | |
| | General alarm sounded | Bow thruster on full power | Mayday sent and crew to stations | | | |
| | Revs Increase | Order given to let go both anchors | | | | |
| | Continue to heave anchor | | | | | |

Response – Initial 24 Hours

| 21:30 | 22:30 | 24:00 | 04:45 | 05:25 | 06:35 | 09:44 | 10:29 |
|--|------------------------------------|---------------------------------|----------------------------------|--|---|---|---|
| Mayday picked up by Smit Sakhalin | SEIC ECT Manned | Response Strategies Established | ECT depart for Kholmsk | OSR /PPE Equip. ready for transport to Kholmsk | ECT arrive on site | Report sent to Emercom | Boom on way to beach. Too rough to deploy |
| 11:06 | 11:32 | 15:10 | 16:00 | 18:58 | 19:19 | 20:59 | |
| OSR Equip/PPE en route to Kholmsk from Yuzhno and LNG site | EMERCOM set up beach control point | Helicopter commences fly over | OSR/PPE Trucks arrive in Kholmsk | Site Response Plan received from Ecoshef | 1 Boom laid out in commercial harbour ready to deploy | Incident OSR Plan is finalised for coming days. | |



Cristoforo Colombo Incident

- Oil Spill Response and Clean-up
 - Personnel & equipment mobilization
 - Onsite command center
 - Shoreline clean up
 - Boom deployment
 - Air survey
 - Shoreline survey
 - Decontamination
 - Waste disposal
- Salvage operation
 - HFO and Diesel fuel transfer
 - Cofferdam skimming
 - Spill Response Plan
 - Vessel lightening
 - Salvage activities

Cristoforo Colombo Incident

- Oil Spill Response and Clean-up
 - SEIC
 - Ecoshef
 - SakhBASU
 - Local Administration
 - Emercom
 - EDC (responsible party)
- Salvage operation
 - SakhBASU
 - SMIT Salvage
 - Saipem / EDC
 - Ecoshef







Resources Mobilization

The 'Resources Mobilization' section consists of four photographs documenting the preparation and deployment of resources. The top-left photo shows a red forklift positioned next to a brown shipping container. The top-right photo shows several workers in safety gear standing near various pieces of equipment, including orange and white inflatable rafts. The bottom-left photo shows the interior of a shipping container packed with supplies, including large white bags, cardboard boxes, and a white bucket. The bottom-right photo shows an outdoor site with a long line of yellow tarps laid out on the ground, with buildings and a hillside in the background.

Resources Mobilization



Mobilized Resources

- SPA 004 (SakhBASU)
- Helicopter (Vostok company)
- 5 Inflatable boats (SakhBASU, Emercom, SEIC)
- 1650 m of containment boom (SakhBASU, SEIC, CTSD, Crowley)
- Vikoma skimmers, Mini Vac System (Ecoshelf)
- Power Washer (SEIC)
- Sorbents (SEIC, Crowley, CTSD)
- Vacuum truck (CTSD)
- Light Plants (SEIC, CTSD)
- Fastanks (SEIC, Ecoshelf)
- Heavy equipment: Cranes, Forklifts, Flatbed trucks (Local companies)
- 50 cu m separator (SakhBASU)
- Desmi 250 skimming system (ENL)
- Walosep skimming system (SakhBASU)
- PPE / PFD

Onsite Command Center



Shoreline Clean-up





24 – Hours Response

- Up to 100 responders
 - Ecoshef supervision
 - SakhBASU crew
 - Dockers (mobilized by Emercom and local administration)
 - Volunteers (hired by SEIC)
- 2 environmental groups everyday shoreline survey
 - Local Zoo Expert
 - Ecoshef Environmental Experts
 - OSRL expert
- Air Surveillance Team
- Governmental Agencies
 - Emercom
 - Marine Inspection
 - Sanitary Inspection
 - Mayor Office

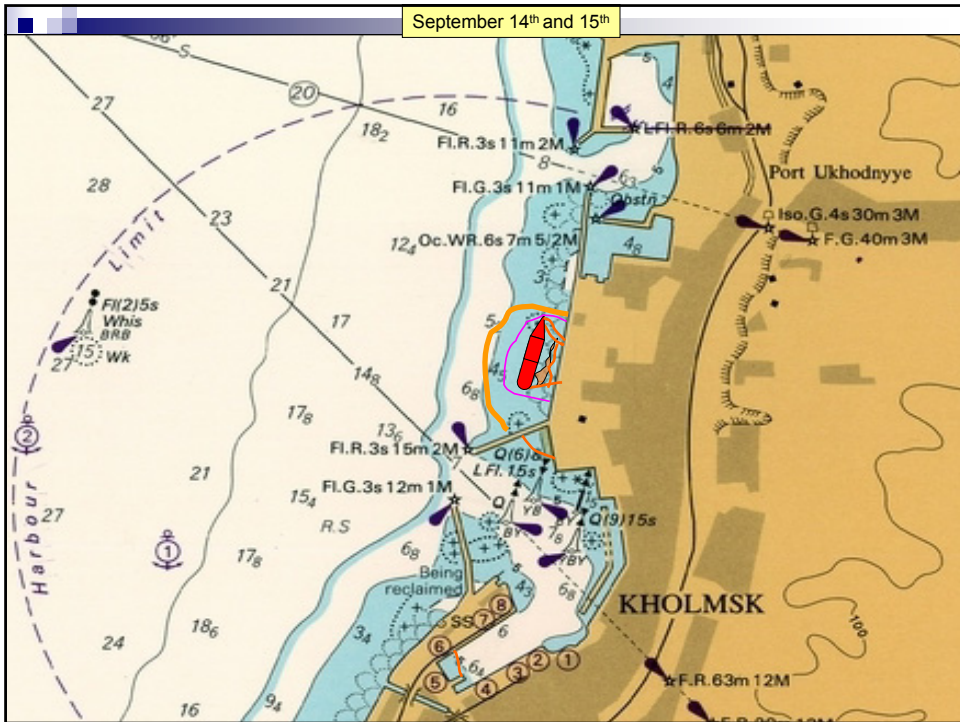


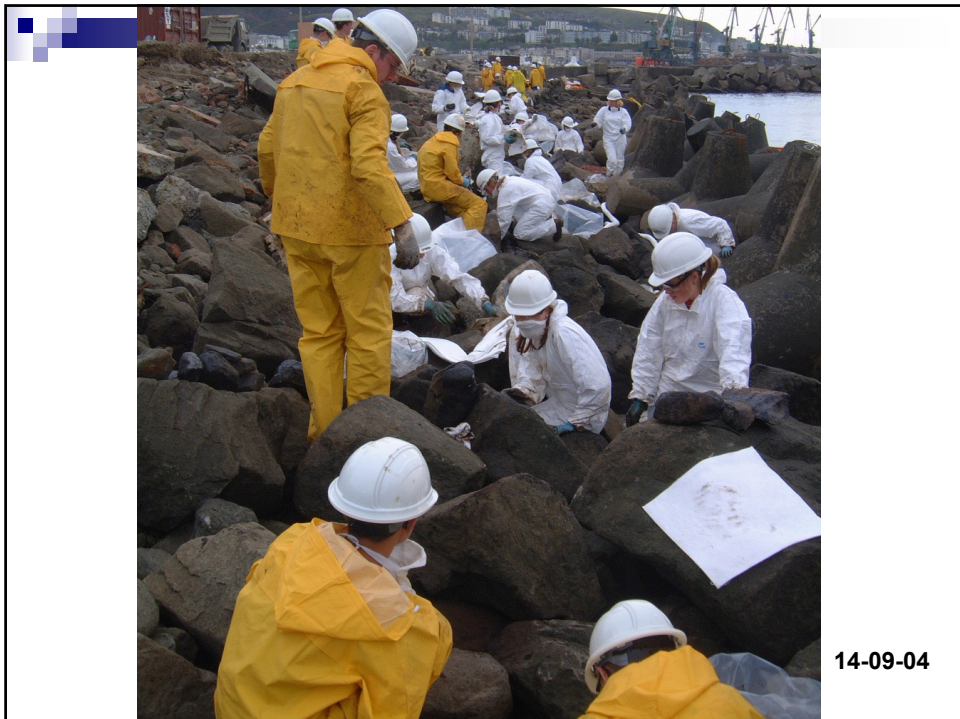










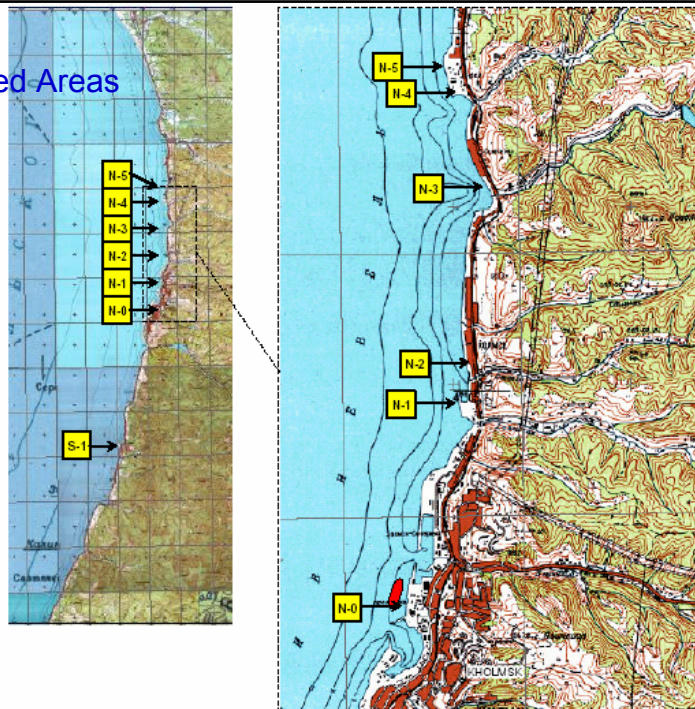




Shoreline Surveys

| Date | Survey |
|------------------|--|
| 9 th | <ul style="list-style-type: none"> ■ SEIC commenced formal survey of reported oiled sites ■ Sheens and some oil on water found within commercial port ■ Fishing Port Clean |
| 10 th | <ul style="list-style-type: none"> ■ Ecoshef begin surveys (location of oil and assessment for cleanup) ■ SEIC Teams survey wider shoreline (Environmental sensitivity, oil location) ■ Concentrated on port areas but proceeded to widen search |
| 11 th | <ul style="list-style-type: none"> ■ SEIC commenced shoreline mapping ■ Tasked with mapping shoreline type, sensitivity and reporting oil found ■ Covered 5km north and south of vessel ■ Accompanied by wildlife expert from Yuzhno Zoo |
| 12 th | <ul style="list-style-type: none"> ■ Oiled bird found on shoreline ■ Died later in the day |

Contaminated Areas



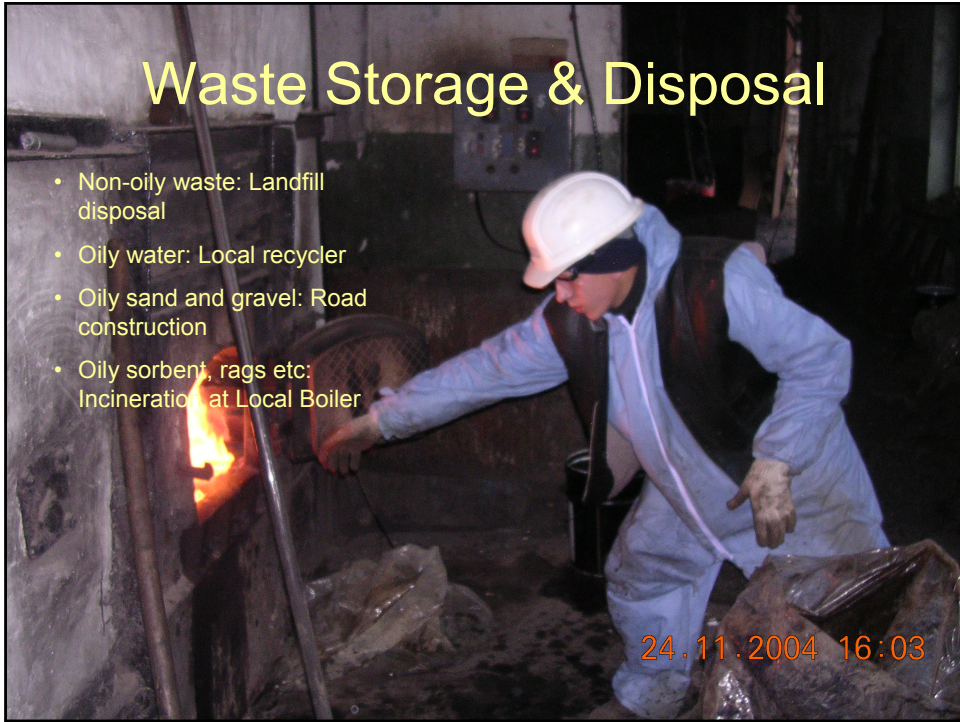






Waste Storage & Disposal

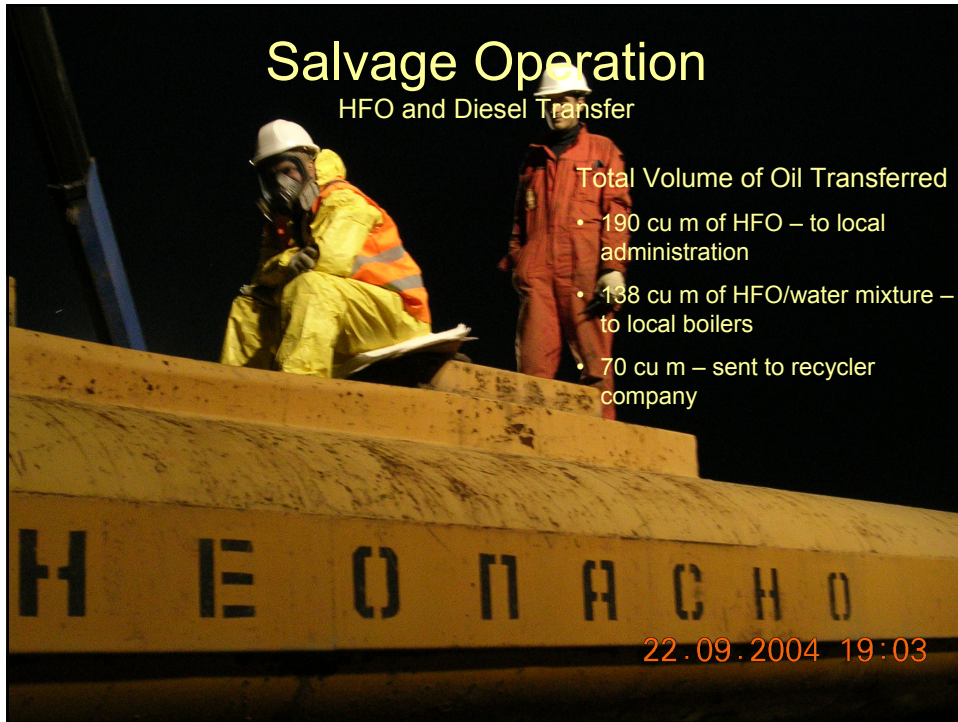
- Non-oily waste: Landfill disposal
- Oily water: Local recycler
- Oily sand and gravel: Road construction
- Oily sorbent, rags etc: Incineration at Local Boiler



Salvage Operations HFO and Diesel Transfer







Cofferdam Skimming

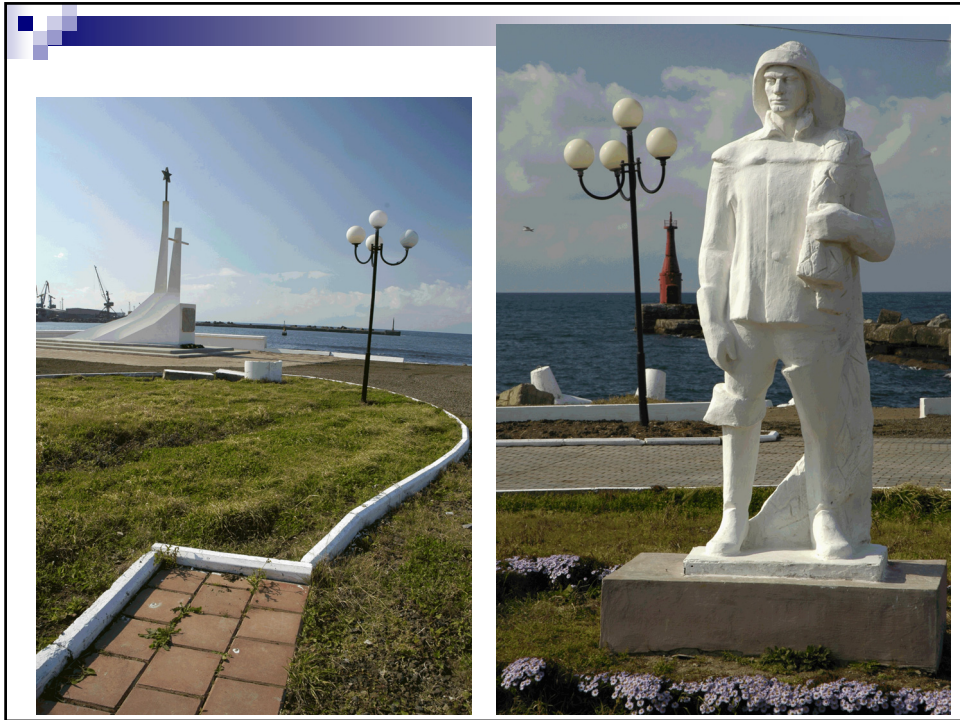


Vessel Lightening



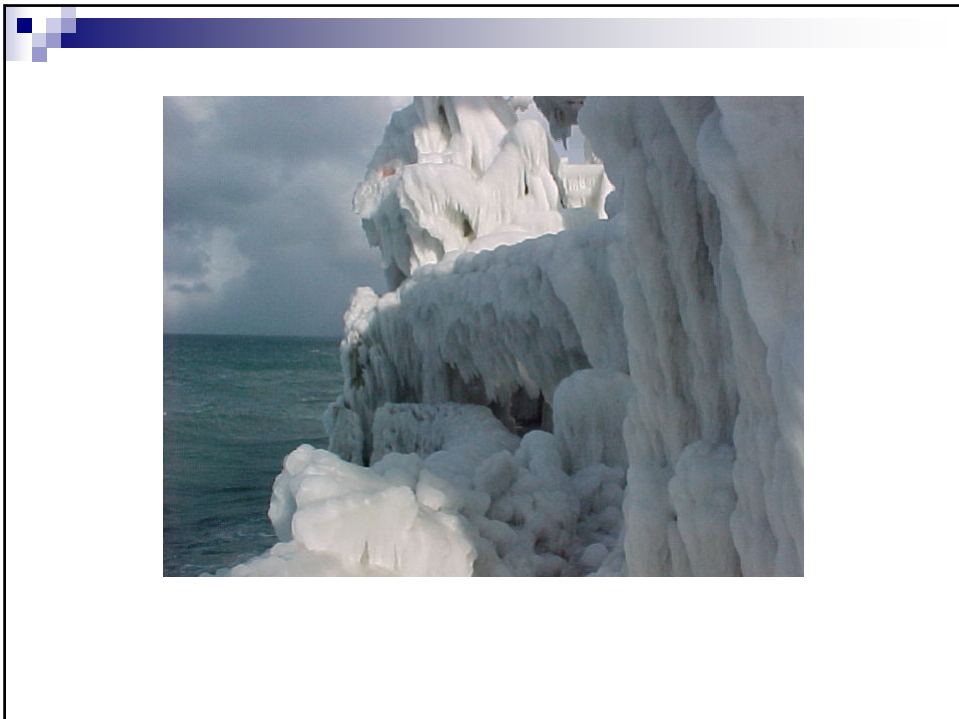
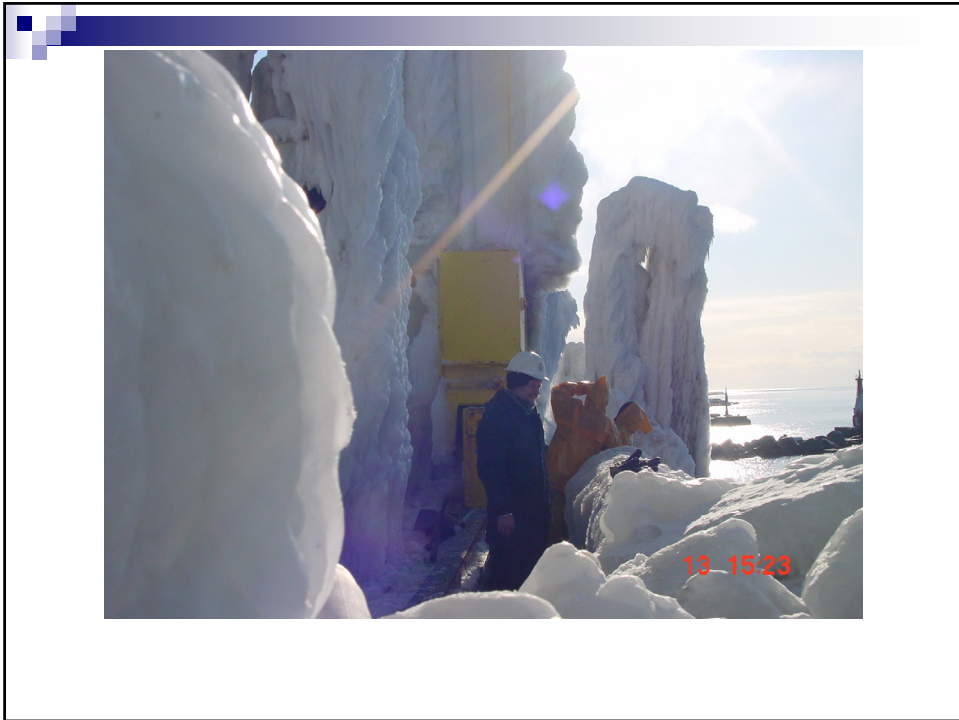














Annex VIII

**NOWPAP Regional Joint Exercises and Guidelines Regarding Oil Spill Preparedness &
Response**

Annex VIII.

NOWPAP Regional Joint Exercises and Guidelines Regarding Oil Spill Preparedness and Response

1. EXERCISES AND RELATED GUIDELINES

1.1 TYPES OF EXERCISES

Under the framework of the NOWPAP Regional Oil Spill Contingency Plan the following types of combating exercises have been agreed upon:

- Synthetic Exercise (NOWPAP ALPHA)
- Alarm Exercise (NOWPAP BRAVO)
- Equipment Exercise (NOWPAP CHARLIE)
- Operational Exercise (NOWPAP DELTA)
- STATE-of-the-art Exercise (NOWPAP ECHO)

Decisions on the exercise programme including the types of exercises, aims and goals for the exercises, time for the execution and appointment of Lead Member are taken during the meetings of the NOWPAP Focal Points.

NOWPAP BRAVO, CHARLIE, DELTA and ECHO can be executed independently or in combination with each other.

Synthetic Exercise (NOWPAP ALPHA)

This exercise type is a “paper exercise”, the aim of which is to create a base for discussion on matters relating to organization, communication, logistics, etc. in combating actions involving two or more NOWPAP Members.

The exercise will normally take place during the meeting of the NOWPAP Focal Points.

The outline of the exercise is preplanned in such a way that the players will be presented with a scenario of a pollution incident giving such facts of the incident that most probably would be at hand in the initial phase.

The situation in the initial phase will be followed by presentations of the situation as it has

developed at certain chosen later stages.

After each presentation the players are given the necessary time to consider their national follow-up actions are then presented and discussed before a presentation of the next following chosen stages of the incident situation will take place.

Alarm Exercise (NOWPAP BRAVO)

The aim of this exercise type is to test the agreed procedures and lines of communication for reporting, requesting and providing assistance, and to get a picture of the current response readiness of the NOWPAP Members when called to assist.

The exercise further aims at familiarizing the personnel with the use and national handling of the NOWPAP POLREP.

It is not the intention with this exercise that combating equipment and its handling personnel should be activated.

When receiving an exercise POLREP the participating NOWPAP Members should record the time of receipt, time of transmission to the responsible national authority and time of the receipt of POLREP (POLWARN) by the person responsible for initiating further national action.

When receiving an exercise POLREP in addition to the times recorded as for POLREP the participating NOWPAP Members should make a realistic evaluation of the types and the amount of equipment and personnel at their disposal for rendering assistance called for, as well as the time for its arrival at the scene of the accident.

After the termination of each exercise the participating NOWPAP Members shall submit a report containing the above mentioned times and evaluations to the Lead Member. The Lead Member should compile this information in a report, for discussion at the following meeting of the NOWPAP Focal Points.

The NOWPAP BRAVO is executed without notice but within a specified period of time.

The NOWPAP BRAVO can be carried out in turn between two or more NOWPAP Members, and the arrangement and the initiation of the exercise are undertaken by representatives of the Members involved and assisted by the Secretariat, if needed.

Equipment Exercise (NOWPAP CHARLIE)

The purpose of this exercise is to test the co-operation between the combating units of the NOWPAP Members with respect to both communication and equipment. Involvement of personnel - expect those needed for running the equipment - should be very restricted.

The NOWPAP CHARLIE is carried out between two or more NOWPAP Members with bordering Response Regions.

Notice as to the time and event is to be given well in advance of the exercise, and the NOWPAP Members not taking part in the exercise and the Secretariat shall be invited to send observers to the exercise.

When planning the date for the execution of the exercise a back-up date should be held in reserve. The participating Members must be informed as soon as possible and at least three days in advance if the exercise has to be executed on the back-up date or altogether cancelled.

Reports on the exercise should be sent from the Lead Member to the Secretariat for further circulation to other NOWPAP Members in order to have the report presented and discussed at the following meeting of the NOWPAP Focal Points.

The NOWPAP CHARLIE is arranged and executed after direct consultation between the NOWPAP Members involved.

Operational Exercise (NOWPAP DELTA)

The aim of this exercise type is partly to test the alarm procedure, the response capability, and the response time of the NOWPAP Members, partly to test and train the staff functions and the co-operation between response units (including the response equipment) of the NOWPAP Members.

The NOWPAP DELTA is carried out the execution of exercises rotating between NOWPAP Members. At the meetings of the NOWPAP Focal Points it is decided who should arrange the coming years exercises and what should be the aims if these exercises.

The Lead Member has the overall responsibility to plan and execute the exercise (see further 1.5, section 1).

A report, evaluating the results of the exercise should be send to the Secretariat for distribution to the NOWPAP Members in order to have the report presented and discussed at the following meeting of the NOWPAP Focal Points (see further 1.5, section 2).

While participation in the exercise is voluntary, it is recommended that at least the neighboring

countries participate.

State-of-the-art Exercise (NOWPAP ECHO)

The aim of this is to demonstrate the state-of-the-art of a specific topic, e.g., a type of equipment, a response method, means of communication or scientific tests. Traditional operational response activities will not form a part of this type of exercise.

As the aim of NOWPAP ECHO is to demonstrate the-state-of-the-art, great emphasis should be given to inviting relevant observers from the NOWPAP Members.

The exercise should be followed by a “hot wash-up” in order to benefit from the remarks from the observers. The Lead Member should send a report of the exercise to the Secretariat for further distribution to the NOWPAP Members in order to have the report presented and discussed at the following meeting of the NOWPAP Focal Points.

1.2 PROCEDURES FOR THE EXERCISES.

To identify exercise traffic and to avoid conflict with exercise undertaken within other agreements, the text of all messages (both to and from the Lead Member) shall begin with the words:]

“EXERCISE NOWPAP”

All messages shall end with the words:

“EXERCISE-EXERCISE-EXERCISE”

At the end of each exercise the Lead Member shall send a final “End of exercise” message to all Participants.

1.3 EXERCISE REPORT

After an exercise the Lead Member shall prepare a brief report (for reports from NOWPAP DELTA Exercises, see 1.5, section 2).

The report should, as a minimum, cover the following items:

- (1) Preparation of the exercise
 - a short description of how the exercise was prepared and relevant references

- (2) Implementation of the exercise
 - date and period of exercise,

- a brief description of how the exercise was initiated

(3) Participating NOWPAP Members

- names of participating Members with a description of participating units and items from each Member

(4) Running and finalization of exercise

Under this heading a brief description of following items (if applicable) should be given:

- scenario
- command
- communications
- finalization of exercise

(5) Comments of the Participating Members

A brief summary of comments received from each participating Member. Only comments on important matters should be mentioned.

(6) Conclusion

- a general conclusion from the Lead Member's point of view on lessons learned
- suggestions and recommendations on how to improve exercises in the future.

Tables, statistics or figures can be added as necessary under each item as annexes at the end of the heading.

1.4 CHECKLIST OF ADMINISTRATIVE AND ORGANIZATIONAL PROBLEMS WHICH COULD ARISE IN AN OPERATIONAL EXERCISE (NOWPAP CHARLIE OR DELTA)

In general it is up to each participating Member to take care of all formalities itself. But it is advisable that the Lead Member undertakes to make precautions in order to facilitate the granting of all clearance and permissions required.

This checklist is to help the Lead Member arranging an operational exercise and the participating Members not to forget issues of importance:

- diplomatic clearance
- customs questions
- conditions of work
- insurance of personnel
- civil liability for injuries or damage
- accommodation and meals

- medical treatment
- equipment and repairs
- report to the meeting of the NOWPAP Focal Points (see further 1.5, section 2)
- general program well in advance, including:

- | | |
|-----------------------|---------------------------------|
| * exercise condition | * time zone |
| * briefing/debriefing | * exercise command |
| * operational command | * liaison officer |
| * participating units | * communication |
| * timetable | * recommended charts |
| * pilot regulation | * required diplomatic clearance |
| * moorage | * hotel reservation |
| * transports | * observers |
| * social events | * information service |

1.5 PLANNING AND EVALUATION OF NOWPAP DALTA EXERCISES

(1) PLANNING

First announcement and invitation to participation should be send to the Secretariat for distribution to the NOWPAP Members six months in advance of the exercise. This first announcement should:

- inform on the aim, the date, including a back-up date, and place of the exercise: and
- call for participation of ships and observers.

Announcements of participation should be made to the Lead Member four months in advance of the exercise.

Having received the announcements of participation should be made to the Lead Country four months in advance of the exercise.

Having received the announcements of participation the Lead Member should send out practical information about the exercise. Examples of such information are given in section 1.4. This information should not include details of the exercise scenario.

In general it is up to the Lead Member to plan the exercise scenario. An Exercise Evaluation Team (EET) shall, however, be established, to enable beforehand comments on the exercise scenario, and thus ensure the best benefits of the scheduled exercise. The exercise scenario shall send in due time to the members of the EET to enable them to comment thereupon.

The EET normally consists of three members, of which one is from the Lead Member, one from the NOWPAP Member who arranged the previous exercise, and one from the NOWPAP Member who will arrange the next exercise.

Although the aim of a NOWPAP DELTA Exercise is to check and train the operational system as a whole, efforts should also be made to change the tasks of the participating units during the exercise, in order for personnel to gain as much experience as possible from the exercise.

The participating Members must be informed as soon as possible and at least three days in advance if the exercise has to be executed on the back-up date or altogether cancelled.

(2) EVALUATION

The EET shall, in order to strengthen the operational co-operation between the NOWPAP Members, do an unbiased evaluation of the exercise.

This evaluation is to be conducted in two steps; as an intermediate evaluation and as a final evaluation.

For the intermediate evaluation the tasks of the ETT are:

- to be present during the exercise; and
- to give an oral presentation of the findings and a preliminary evaluation of the exercise to the participants immediately after the exercise(at the debriefing).

For the final evaluation the task of the ETT is:

- to make a written of the final evaluation including lessons learnt and proposals for future similar activities. The report should be submitted by the Lead Member to the next meeting of the NOWPAP Focal Points.

The members of the EET decide between themselves their individual tasks and their geographical location(s) during the execution of the exercise.

Annex IX

Existing Tasks, Lead Country/Agency, Required Actions Expected Outputs

Annex IX. The List of the Tasks, Lead Country/Agency, Required Actions and Expected Outputs for 2005/2006 biennium

| Tasks | Lead Country / Agency | Actions | Expected Outputs |
|--|---------------------------|---|--|
| 1. Routine Task carried out by MERRAC | | | |
| 1. Regional Contingency Plan | MERRAC | <ul style="list-style-type: none"> - Maintain and update the RCP - Organize the Competent National Authorities in conjunction with the Focal Points Meeting - Carry out regional activities as required by the RCP | <ul style="list-style-type: none"> - Updated Regional Contingency Plan - Regional cooperation system regarding marine pollution preparedness and response - Increased regional capacity on marine pollution preparedness and response |
| 2. Focal Points Meeting and Competent National Authorities Meeting | MERRAC | <ul style="list-style-type: none"> - Coordinate and organize annual Focal Points Meeting and CNA meeting - Carry out the follow-up activities of meetings | <ul style="list-style-type: none"> - Exchange of relevant information on oil spill preparedness and response in the region - Discussions on the implementation of the RCP - Update of Regional Contingency Plan |
| 3. Information System | MERRAC | <ul style="list-style-type: none"> - Continuous collection, update and dissemination of information - Maintenance and update of website | <ul style="list-style-type: none"> - Efficient Information system in NOWPAP area regarding oil spill preparedness and response - Updated MERRAC website |
| 4. Report on Oil Pollution Incidents | MERRAC and NOWPAP Members | <ul style="list-style-type: none"> - Update, collection and submission of report on oil spill incidents over 10 ton | <ul style="list-style-type: none"> - Updated database on oil spills in NOWPAP region |
| 5. Training and Exercise | MERRAC and NOWPAP members | <ul style="list-style-type: none"> - Facilitate the development and planning of joint training and exercise - Finalize the joint regional exercise guideline - Prepare the real joint exercise | <ul style="list-style-type: none"> - Developed scenarios and plans for field and table top of oil spill preparedness and response exercises in NOWPAP region - Implementation of the Joint Oil Spill Exercise - Improved response capacity to oil spill |

| | | | |
|---|------------------------------|--|--|
| 7. Communications | MERRAC | - Maintain routine communication links between relevant authorities in NOWPAP region | - Establishment of efficient communication system relevant to oil spill preparedness and response in NOWPAP area |
| 8. Other Routine Tasks as described by the TOR of MERRAC or decided upon by the F.P Meetings and/or IGM | MERRAC | - | |
| 2. Specific project coordinated by MERRAC for 2005/6 biennium | | | |
| Tasks | Lead Country / Agency | Actions | Expected Outputs |
| 1. Oil Spill Prediction Model (on-going project) | Korea | - Establish coordination network to develop a database of oil spill prediction model to be applicable to open ocean (including a network with NEAR-GOOS) - Apply the database into existing oil spill prediction models and compare the results, and analyze the necessity of development of new numerical model - Finalize report of activity and recommend to next FPM practicality to develop a Regional Oils Spill Prediction Model (Budget allocated for 2005 : US\$3,000) | - Networking relating to the database of oil spill prediction model - the database to be applicable to existing models - Report and recommendations to FPM |
| 2. Regional Mapping of Vulnerable Resources (to be finalized in 2006) | Japan | - Finalize the simplified regional ESI mapping through a co-operation with NOWPAP members - Recommend to next 10 th FPM the final report and recommendations to be done in the future (Budget allocated for 2005 : US\$3,000) | - Final Report on "Regional Mapping of Vulnerable Resources" |

| | | | |
|--|----------------------------|---|--|
| <p>3. Minimum Level of Preparedness (on-going project)</p> | <p>China and Russia</p> | <p>Coordinate, prepare and chair WG on "Minimum Level of Preparedness" Gather data information required Establish proper methodology of risk assessment, etc. Arrange the relevant network among the NOWPAP members, and others (Budget allocated for 2005 : US\$6,000)</p> | <p>- Interim report and recommendations to next FPM for future works</p> |
| <p>4. Oil Dispersant (to be finalized)</p> | <p>Russia (and MERRAC)</p> | <p>Add supplementary information on list of dispersants to be used by aircraft during JRO Publish the report as the MERRAC technical report</p> | <p>- Final report on activity as printed as MERRAC Technical Report</p> |
| <p>5. Shoreline Clean-Up (to be finalized)</p> | <p>China (and MERRAC)</p> | <p>Publish report of activity as MERRAC Technical report</p> | <p>- Final "Guidelines for Shoreline Clean-up in NOWPAP Region" printed as MERRAC Technical report</p> |
| <p>6. Other specific projects as decided by the FP meeting and IGM</p> | <p>MERRAC</p> | <p>Make the necessary preparations and carry out follow-up activities as being requested by MERRAC FPM and IGM</p> | <p>Background documents, as deem necessary and requested by MERRAC and IGM</p> |

Annex X

List of Documents and Presentation of CD-ROM

Annex X. List of Documents and Presentation of CD-ROM

- 1) Report of 8th NOWPAP MERRAC Focal Points Meeting & 1st Competent National Authorities Meeting for NOWPAP Regional Oil Spill Contingency Plan
- 2) Presentation of the Experts of the Leading Country of NOWPAP Member States Regarding MERRAC Specific Projects
 - 2-1) Regional Mapping of Vulnerable Resources
 - 2-2) NOWPAP regional guidelines on use of oil spill dispersants
 - 2-3) Minimum Level of Preparedness for implementing NOWPAP RCP
- 3) Presentation on National Contingency Plan of each NOWPAP Member States
 - 3-1) National Contingency Plan of China
 - 3-2) National Contingency Plan of Japan
 - 3-3) National Contingency Plan of Korea
 - 3-4) National Contingency Plan of Russia
- 4) Presentation on Case Studies on the Oil Spill Incidents of each NOWPAP Member States
 - 4-1) Case Study of China
 - 4-2) Case Study of Japan
 - 4-3) Case Study of Korea
 - 4-4) Case Study of Russia
- 5) Report on Regional Training & Exercise