

NOWPAP MERRAC

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

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Report of NOWPAP Regional OPRC Training Course (IMO Level 2 Course)

Shimonoseki, Japan

10 - 14 November 2003

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TITLE PAGE AND EXCLUSIVE SUMMARY

Title of the Course:	NOWPAP Regional OPRC Training Course (IMO Level 2 Course): IMO OPRC Level 2, Supervisors / On-Scene Commanders Course
Host:	Japan Coast Guard
Venue:	Kaikyo Messe Shimonoseki, Shimonoseki City, Japan
Date:	10 to 14 November 2003
Type:	Regional Training Course for the Coastal States of the Northwest Pacific Region
Organized by:	MERRAC and IMO under the auspices of the UNEP and in co-operation with the IMO Global Initiative and the Japan Coast Guard
Participating countries:	NOWPAP Members (People's Republic of China, Japan, Republic of Korea and Russian Federation)
Number of participants:	People's Republic of China (3), Japan (11), Republic of Korea (5), Russian Federation (7) persons and two Staff Members of MERRAC.
UNEP Project Number and Budget line:	PN/6030-03-05 (MERRAC)
IMO Project Number and Budget line:	PR 240 – TC 03 RER/97/406
Exclusive Summary:	
<p>The course was aimed at providing selected national staff with the knowledge and skills required by Supervisors or On-Scene Commanders designated by governments and other authorities or the oil industry.</p> <p>The course provided information on issues related to national and regional oil spill preparedness, response and co-operation, including but not limited to contingency planning, response management and organization, response policy, oil spill behavior, fate and effects, assessment of oil spills, shoreline clean-up, transfer, storage and disposal of oil, evidence gathering and documentation, media relations, claims and compensation and termination of a response operation.</p> <p>The participants, representing governmental authorities and agencies, had the background knowledge and experiences to receive maximum benefit from the presentations and discussions. This was reflected during the course by many relevant questions asked and issues discussed.</p> <p>The course was well received and participants expressed the view that the level was relevant and the outcome was satisfactory. 23 participants (88.5%) returned the Seminar Evaluation</p>	

Form. Of these 86.4% indicated that the goals of the lectures were “Fully met” and 13.0% indicated that the lectures met its goals “In part”. 0.6% indicated that lectures “Did not meet” its goals.

The Course Director was asked to inform IMO and the Responsible Authorities of the participating States accordingly and to invite IMO to continue its support on the development of sustainable regional and national capabilities to respond to oil spills within the NOWPAP Region.

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1 COURSE PREPARATION AND IMPLEMENTATION

1.1 The 6th NOWPAP MERRAC Focal Points Meeting (MERRAC, 1-4 September 2003) agreed that MERRAC carry out the Routine Task relating to the “Training & Exercise” to coordinate and organize joint training course and exercise. The expected output of the task was designated as “Establishment of trained personnel in the field of oil spill preparedness and response in the NOWPAP region” (Annex 6 of the UNEP/IMO/NOWPAP/MERRAC /FPM 6/15)

1.2 The same meeting also decided that a NOWPAP Expert Meeting be organized in the form of a NOWPAP OPRC Training Course (IMO level 2 Course) during the intersessional period after the 6th MERRAC Focal Points Meeting, as one of the proposed activities of MERRAC in the 2002/2003 biennium. The workplan and budget for the training course was agreed at the meeting

1.3 Based upon the decision by above-mentioned meeting, the Marine Environmental Emergency Preparedness and Response Regional Activity Centre (MERRAC) initiated the organization of the training course during the intersessional period after the Meeting. Also, MERRAC requested IMO to assist in organizing the Training Course. The assisting works in organizing the training course was done by the Marine Environment Division, IMO in close co-operation with MERRAC.

1.4 The Japan Coast Guard was decided as the host authority of the course following the kind recommendation put forward by the Government of Japan that had been decided as the host country for the training course at the 6th MERRAC Focal Points Meeting. Mr. John Østergaard, Senior Adviser on Marine Pollution, Marine Environment Division of IMO acted as course director and prepared the final report.

1.5 Based upon the decision of the 6th MERRAC Focal Points Meeting, the IMO OPRC Level 2 Model Course as the NOWPAP Regional OPRC Training Course was planned and implemented in compliance with the IMO Guidelines and followed in general the programme suggested by the Model Course as amended to ensure compliancy with regional and local requirements.

1.6 The venue for the training course was the Kaikyo Messe Shimonoseki in Shimonoseki from 10 to 14 November 2003. The external participants were lodged at the Shimonoseki Grand Hotel. The City of Shimonoseki provided daily transport between the hotel and the Messe and hosted several cultural events outside the working hours of the Course. The venue facilities and the logistic arrangements were absolutely satisfactory and the service provided by the Japan Coast Guard and City of Shimonoseki was excellent and contributed widely to the success of the course.

1.7 To increase the participants’ knowledge on practical oil spill contingency planning and the use of equipment, the Japan Coast Guard organized two technical tours (excursions) during the Course. The first tour included a visit to a large oil recovery and dredging vessel, KAISHO MARU, and to the Traffic Advisory Service Center for the Kanmo Strait (Kanmo Kaikyo). The second tour included a demonstration of local oil spill response equipment by the Maritime Disaster Prevention Center with a detailed explanation of the role of the Center.

1.8 Documentation for the Course was provided by lecturers, copied by the organizers and distributed to all the participants. For reasons of costs savings the standard IMO documentation package was not handed out to the participants.

1.9 MERRAC organized the formalities relating to issuing of visas for participants and lecturers, as appropriate.

2 PARTICIPANTS

2.1 29 persons, including four lecturers, attended the course. The participants came from Japan (11), Peoples Republic of China (3), Republic of Korea (5), Russian Federation (6) and MERRAC (2). NOWPAP/ UNEP and the Government of Japan provided the total costs of the training course.

2.2 A list of participants is attached as Annex I.

3 LECTURERS

3.1 The following persons participated as lecturers and covered the following topics.

Dr. Brian Dicks, International Tanker Owners Pollution Federation (ITOPF)

Topics:

- Oil spill behaviour, fate and effects (4)
- Spill assessment (5)
- Bioremediation (8)
- Use of dispersants (9)
- Shoreline Clean-up (10)
- Transfer, storage and disposal (12)
- Response deactivation (17)
- Case studies of recent spills
- Exercise

Mr. Patric Ooi, East Asia Response Ltd. (EARL) / International Petroleum Industry Environmental Conservation Association (IPIECA)

Topics:

- Operations planning (6)
- Containment, Protection and recovery of oil (7)
- In-situ burning, Bioremediation and Absorbants (8)
- Site Safety (11)
- Command, Control, Communications and Information (15)
- Case studies of recent spills
- Exercise

Joe Nichols, International Oil Pollution Compensation Fund (IOPC Fund)

Topic:

- Liability, claims and compensation (16)
- Evidence gathering and documentation (14)

Case studies of recent spills
Exercise

Mr. John Østergaard, Marine Environment Division, IMO

Topics:

Opening and closing ceremony
Course introduction (1)
Overview of spill response (2)
Contingency planning, Response Management and Organization (3)
Media relations (13)
Post incident debriefing ((18)
Course review and debriefing
Exercise

3.2 The Tabletop exercises held on Thursday afternoon and Friday morning were the standard Level 2 exercises prepared and developed by IMO. The exercises were well received by the participants and created a lot of activities and discussions. It was the view of those who commented on the exercises, that in a practical and operational manner, the exercises addressed most of the issues covered by the course. All the lecturers took part in conducting and debriefing of the exercises.

4 BRIEF SUMMARY

Course Programme

4.1. The Programme was initiated on Monday, 10 November at 09:30 and ended on Friday, 14 November at 20:00. The Programme was organized with one morning session from 08:30 to 12:30 and an afternoon session from 14:00 to 17:30 with coffee/tea breaks at 10:30 and 16:00. The Programme complied with the IMO OPRC Level 2 Model Course standard programme, taking into consideration proposals for local requirements and suggestions.

4.2 On Sunday, 9 November from 19:00 to 21:00 the Shimonoseki City hosted a welcome reception for all the participants at the Kaikyo-kan Aquarium.

4.3 On Monday, 10 November from 19:00 to 21:00 the MERRAC hosted a welcome dinner at the Plaza Hotel

4.4 During the afternoon of Tuesday, 11 November a technical tour (excursion) to a large oil recovery and dredging vessel, KAISHO MARU and to the Traffic Advisory Service Center for the Kanmo Strait was organised.

4.5 A second technical tour took place during the afternoon of Friday, 14 November. This tour included an oil spill response equipment demonstration by the Maritime Disaster Prevention Center in the Port of Shimonoseki, followed by a visit to the Akiyodhidai Caves. Both of the technical tours were organized by the Japan Coast Guard and were most appreciated by all the participants.

4.6 On the evening of Friday, 14 November, the closing ceremony followed by a Farewell Reception was hosted jointly by the Japanese Government and the Ship & Ocean Foundation of Japan at the Shimonoseki Grand Hotel.

4.7 The Course Programme is attached as Annex 2.

Opening of the Seminar

4.8 Mr. Chang-Gu Kang, Director of NOWPAP MERRAC opened the seminar and welcomed everybody to Japan. He informed the Seminar that the training course was the second regional training activity to be initiated by MERRAC. The training course had been agreed to by the Sixth NOWPAP- MERRAC Focal Point Meeting held from 1 to 4 September 2003 in Daejeon, Republic of Korea. He further informed the Seminar that the draft Regional Oil Spill Contingency Plan for the NOWPAP Region, had been presented to the Eighth NOWPAP Intergovernmental Meeting held from 3 to 6 November 2003 in China with a view to adoption by the Intergovernmental Meeting. Unfortunately, only three Member States had agreed the draft Regional Oil Spill Contingency Plan. He hoped that the remaining acceptance would be added in the near future. In this regard it was the intention of MERRAC to develop a Regional Exercise programme. He therefore considered the training course as timely and very important for the ongoing development of the national response capability in each of the States, as well as a catalysator for improved regional co-operation and understanding. Finally, he expressed his appreciation for the support from IMO, the IOPC Fund, IPIECA/EARL and ITOPF and confirmed the MERRAC's support to the present course and wished it all success.

4.9 Mr. Tamaki Murakami, Director of the Marine Environment Protection & Disaster Prevention Division, Guard & Rescue Department, Japan Coast Guard also welcomed the participants and the lecturers to Shimonoseki and wished all a pleasant stay. He appreciated the support provided by the City of Shimonoseki and the Ship & Ocean Foundation of Japan. He recalled that the region within the last years had experienced the consequences of a number of serious marine oil spills. He informed that the City of Shimonoseki was a relevant location for a Regional Oil Spill Training Course, taking into consideration that the very heavy trafficked Kanmo Strait with its strong tidal currents passed almost through the center of the City. He recognized the need for effective and modern national as well as regional oil spill contingency planning and stressed the importance of regional training in this regard. He stressed the importance of the development of the Regional Oil Spill Contingency Plan as an important step in the right direction. Finally, he expressed high expectations to the outcome of the Regional Training Course and hoped that the course would also facilitate the development of a strong friendship among the participants.

4.10 Mr. John Østergaard, the Course Director, gave the opening speech on behalf of IMO. He welcomed everybody to the training course and thanked the Government of Japan for hosting the course and for all the assistance provided so far. He expressed appreciation and sincere thanks to the NOWPAP MERRAC for preparing and organising in close co-operation with the Japan Coast Guard, all the logistics for the training course and for the support provided by the City of Shimonoseki. He welcomed the continuous support from the IOPC Fund and the oil industry, in this case, the professional support provided by IPIECA/EARL and ITOPF. He emphasized the importance of the training course as a means to facilitate sustainability and the further development of regional co-operation within the NOWPAP region and the intentions of IMO to continue its support, not only at the regional level but also to each of the individual States of the Region as appropriate.

5 COMMENTS ON EACH LECTURE AND OTHER EVENTS

5.1 Introduction (Session 1) By Mr. John Østergaard

The Introduction lecture provided information on administrative, practical and logistical arrangements for the course, as well as it set out the general objectives of the Course. It also provided for a general presentation of the lecturers as well as the participants. The lesson emphasized that only by good co-operation and active participation would it be possible to meet the objectives of the course.

5.2 Overview of Spill Response (Session 2) By Mr. John Østergaard

The lesson provided information on the key elements and challenges of an oil spill response and the Supervisor / On –Scene Commander’s (OSC) role, responsibilities and the actions they must take during the response. It emphasized the need for contingency planning and the interests and role of the parties to an oil spill, such as environmental organizations, media representatives, and how they might impact the role of the OSC.

5.3 Contingency planning, Response management and Organization (Session 3) By Mr. John Østergaard

The lesson described the purpose and main types of contingency plans, including the key components and main components to be considered in connection with the development of the Plan. It described the initial response actions and suggestion for a basic response organization and how this organization might be expanded in case of a major incident. It considered the characteristics of managing the incident during the initial or critical phase and described the factors involved in commanding and controlling the response. It made suggestion on issues to be considered in connection with establishing a command centre, the main elements of logistic support. Matters to be considered in connection with response planning were described as well as the factors relating to the provision for the needs of the response teams.

5.4 Oil Spill Behavior, Fate and Effects (Session 4)

By Dr. Brian Dicks

The lesson provided information on the physical properties of various types of oil and how they evaporate, move, emulsify, disperse and spread when they are released to the marine environment and what effects these factors will have on the response effort. It provided information on methods used for estimating key property changes and factors in determining oil type and weathered state, including factors in estimating likely trajectory and fate of spills and its likelihood of coming ashore.

5.5 Spill Assessment (Session 5)
By Dr. Brian Dicks

The lesson provided information on reasons for responding or not responding to spills based on the assessment of initial information received on an oil spill. It explained methods for estimating spill size by analyzing the spill source. The use of air surveillance in oil spill response was explained. It provided information on various factors to be considered in estimating potential damage associated with spill.

5.6 Operations Planning (Session 6)
By Captain Patric Ooi

The lesson provided information on factors to be considered in developing the response objectives and the overall strategic plan and how this work might be distributed between established planning teams. It listed the planning activities and the various components of an operational plan.

5.7 Containment, Protection and Recovery of Oil (Sessions 7 and 8)
By Captain Patric Ooi

The lesson provided information on the main response strategies, the equipment used, its strength and limitations including the use of booms and skimmers in open sea and coastal operations deployed for the purpose of containment, protection and recovery of oil. It considered the use of sorbents, in-situ burning and bioremediation, their benefits and limitations. It described the factors to be considered when monitoring the effectiveness of a recovery operation.

5.8 Use of Dispersants (Session 9)
By Dr. Brian Dicks

The lesson provided general information on how dispersants work and described the advantages, disadvantages and limitations of the use of dispersants.

5.9 Shoreline Clean-up (Session 10)
By Dr. Brian Dicks

The lesson provided general information on the behaviour and persistence of stranded oil and explained the main steps in a shoreline cleanup operation, It described the goals of a clean-up operation and the options for varying degrees of cleanup based upon an assessment of oiled shorelines. The lesson further described the general principles of

shoreline clean-up, including the environmental effects of various clean-up techniques and the principal shoreline clean-up methods used. It discussed the different factors to consider when developing a shoreline cleanup plan and the criteria for terminating shoreline cleanup operations.

5.10 **Safety (Session 11)**
By Captain Patric Ooi

The lesson provided information on the potential hazards associated with oil spill operations and the employer and employee's responsibilities for site safety. It described the principles of safe operation and the key elements of a safety plan.

5.11 **Transfer, Storage and Disposal (Session 12)**
By Dr. Brian Dicks

The lesson provided information on the overall planning factors for handling, storage and disposal of oily waste materials, and described the types of wastes normally encountered on a spill site. It described the factors to consider when selecting options for temporary storage and final disposal.

5.12 **Media Relations (Session 13)**
By Mr. John Østergaard

The lesson provided information on the needs of the media (newspapers, radio and television) and factors involved in successfully handling of the media. It provided guidelines for a successful media interview and recommendations on how to conduct a one-on-one interview.

5.13 **Evidence Gathering and Documentation (Session 14)**
By Mr. Joe Nichols

The lesson provided information on the responsibility of the OSC related to evidence gathering. It described the key components of an evidence gathering plan, procedures for sample gathering and the use of photo evidence. In addition it emphasized the need for comprehensive log keeping as a tool to facilitate reporting, claims and compensation.

5.14 **Command, Control, Communications and Information (Session 15)**
By Captain Patric Ooi

The lesson identified the most common communication problems encountered during an oil spill response operation and the responsibilities of the OSC to develop a communications plan to ensure that appropriate contact with all units can be maintained during all phases of the response operation. Finally, the lesson provided information and training on how to prepare a communication plan and write an incident brief.

5.15 **Liability and Compensation (Session 16)**
By Mr. Joe Nichols

The lesson provided the background for the development of the 1969 Civil Liability

Convention (CLC 1969) and the 1971 FUND Convention (FUND 1971) and the fundamental features of the international compensation regime. It described the role of the Protection and Indemnity (P & I) Clubs and the consequences of the 1992 Protocols to the CLC and Fund Conventions. Finally, it described the implications of the international compensation regime on the OCS functions when responding to an incident vis-à-vis cost recovery and claims.

5.16 Response Deactivation (Session 17)
By Dr. Brian Dicks

The lesson provided information on the reason for initiating a response operation and for terminating it at sea and on shore. It discussed the methods for determining the potential for recontamination and the steps to be considered in relation to decontaminations, conservation and storage of equipment in connection with the termination of the operation. Finally, it discussed factors involved in post-spill monitoring.

5.17 Post-incident Debriefing (Session 18)
By Mr. John Østergaard

The lesson provided information on the participants and elements to be considered in the conduct of the post-incident debriefing. Finally, it provided details on the preparation of cost recovery documentation.

5.18 Case Studies
By Dr. Brian Dicks, Captain Patric Ooi and Mr. Joe Nichols

Case studies on the ERIKA, BALTIC CARRIER, PRESTIGE, TASMAN SPIRIT, NAHODKA and other recent incidents were provided as illustrations of the problem related management, shoreline clean-up, site safety, claims and compensation. Case study are always well received by the participants and are very useful as a tool to facilitate a higher degree of understanding and questions.

6 EXCURSION

6.1. On Tuesday afternoon, a technical tour (excursion) to a large oil recovery and dredging vessel, KAISHO MARU and to the Traffic Advisory Service Center for the Kanmo Strait was organized. The second tour included a demonstration of local oil spill response equipment by the Maritime Disaster Prevention Center on Friday afternoon. All participants and lecturers took part in the excursion. At all sites a comprehensive explanation of the purpose and the function were provided. The presentations were highly appreciated and provided valuable information to the participants.

7 EXERCISES

By all the lecturers

7.1 Tabletop exercises which were developed and prepared by IMO were conducted on Thursday afternoon and Friday morning.

7.2 The exercises covered all aspects of the training course and was initiated in two phases as group work, based on a fictitious scenario. During **Phase One**, (Thursday afternoon) the groups were requested to make a sensitivity evaluation and risk assessment of the exercise area. On Friday morning, each Group was provided with a fixed budget of 550,000 \$. This budget covered the capital equipment purchases and the first year's cost of any full-time trained staff or training of staff made available. All reasonable costs incurred during a response to an incident might be reclaimed and therefore there was no need to budget for these costs during the following exercise. Each group was provided with detailed information on equipment and its purchase price and was requested to fill in a purchase order for necessary equipment required to equip a port area and an oil terminal with sufficient resources to jointly respond to an oil spill incident should it occur in the area covered by the chart provided. It was assumed that the response should cover the first 24 hours of a spill incident, as additional equipment would arrive at the scene after 24 hours. Each group was also provided with detailed additional information on wind, current, tide, type of oils transported to and from the area, etc. and was requested to allocate roles and responsibilities in accordance with a provided organizational structure form. The planning and the purchased equipment was available to the groups at the beginning of Phase Two of the exercise.

7.3 During **Phase Two**, an incident scenario, run in accelerated time, was presented and the groups were required to respond as appropriate. A full record of the response was to be recorded including mobilisation time and expenditure. The provided charts indicated the position of any equipment deployed.

7.4 At the end of the exercise, the designated On-Scene Commander of each group was requested to provide a debrief covering all details on his/her group's considerations and response to the spill scenario.

7.5 In conclusion, the exercise was well received and created a lot of activities and discussions. It also provided a broad understanding of the role, function and responsibilities of the On-Scene Commander during an oil spill incident, and the staff members working close to her / him.

8 COURSE REVIEW AND COURSE EVALUATION

By Mr. John Østergaard

8.1. Each morning the Course Director conducted a short review of the previous day's lectures together with a presentation of the day's programme. The participants were invited to ask any questions related to the programme. The result of this procedure was that the final course review was very brief and only a few questions were asked by the participants. At the end the participants were invited to comment in general on the course. There were no negative comments at all. Several participants expressed great appreciation for all the information they had received. The representative of MERRAC enquired about a follow-up course during 2004, subject to approval by the NOWPAP Steering Committee Meeting, to be held during the first half of 2004. In reply, Mr. John Østergaard informed the Seminar that IMO was generally prepared to provide the assistance requested, and suggested further communication on this issue upon his return to IMO at the end of November.

8.2 In general the students were of the opinion that the content of the course was good and that the delivery of the lessons had been positive and encouraging. The programme was acceptable, and the logistics and support provided by the Japanese hosts were excellent.

Comments on the Course from the Course Director and the lecturers

8.3 The Course was conducted in a cordial, relaxed and enthusiastic atmosphere, which was much appreciated by all.

8.4 The Course was conducted in English only, which meant the lecturers had to consider the speed at which they lectured. It was noticed that several participants had to concentrate to follow the lessons. It was noticed that, towards the end of the day, some of the participants had reached their limit in concentration. Based on this background, it is recommended that course programmes should not continue after 17:00, or latest 18:00.

8.5 The Tabletop exercises conducted on Thursday afternoon and Friday morning were well received and are recommended to be used as the standard exercises to be included in the Level 2 Course. It was noted that the exercise needs a general review for the elimination of minor errors and an improvement of the general exercise set up.

8.6 Four external lecturers conducted this course although one of the lecturers only provided two lectures. From the point of view of the lecturers as well as the participants, the number of instructors (3+) was appropriate, but should not be less. On courses where there are only less experienced lecturers available it is recommended to conduct the course with at least four lecturers, as the participants tend to be bored listening to the same person for too long, in particular, if the lecturer is unable to deliver a lecture with a high “entertaining” value.

8.7 It is highly recommended to use case studies as much as possible. The course is in general organized as a “one-way lecturer to participants” communication, and therefore the use of case studies provides an excellent invitation to ask questions and provide comments. Under all circumstances, visual training materials with a lot of illustrations are highly recommended. Again, this course confirmed that, a video or a number of slides illustrating an issue relevant to the lesson increased the participants’ alertness and they were able to get a broader understanding of particular circumstances related to the various phases of an oil spill response operation or the issue presented under discussion.

Closing Ceremony

8.8 On behalf of IMO, the Course Director expressed his gratitude to the Government of Japan, the Coast Guard of Japan, the City of Shimonoseki and NOWPAP MERRAC for hosting the Regional Training Course and for their support, assistance and hospitality provided. He thanked the participants and the lecturers for participating and being very active during the Course.

8.9 The representative of NOWPAP MERRAC thanked IMO and the lecturers for a well-delivered training course. He also thanked the participants for being very active

during the course and welcomed any future regional training activities. Finally, he wished all the participants a safe journey home.

8.10 The representative of NOWPAP MERRAC and the Course Director then presented the Course Certificates to each of the participants. The certificates were prepared by MERRAC and signed by the Director of MERRAC and the Course Director on behalf of IMO,

9 CONCLUSIONS

9.1 The course has given the participants from Peoples Republic of China, Japan, Republic of Korea and the Russian Federation a better understanding of the functions, duties and responsibilities of an On Scene Commander during the response to an oil spill.

9.2 The facilities and the support provided by the Japan Coast Guard and the City of Shimonoski were excellent and the City of Shimonoseki is highly recommended as the venue for any future regional or national training activities organized in co-operation between IMO and the Government of Japan.

9.3 The standard Tabletop exercises, developed by IMO was successful and was much appreciated by the participants. It is recommended to include the exercises as a permanent element of the Level 2 Course. However, the exercise materials are in need of review and minor improvement.

9.4 Although the status of oil spill preparedness within the countries of the NOWPAP region is considered better than in many other parts of the world, the training course illustrated that there is a need for additional training at the regional level and probably also at the national level, in order to maintain the positive developments and momentum created by the development and signing of the draft Regional Contingency Plan and the present training course.

10 RECOMMENDATIONS

10.1 It is recommended that:

- IMO should continue to support the development and implementation of national oil spill contingency plans in States of the NOWPAP region;
- IMO should continue to support the implementation and entry into force of the Regional Oil Spill Contingency Plan for the NOWPAP region, subject to approval by the NOWPAP Intergovernmental Meeting.



Photo : Participants to the NOWPAP Regional OPRC Training Course (IMO Level 2 Course) (Shimonoseki, Japan, 10 – 14 November 2003)

ANNEX I

List of Participants

to the NOWPAP Regional OPRC Training Course (IMO Level 2 Course) (Shimonoseki, Japan, 10 – 14 November 2003)

JAPAN

Mr. Tamaki MURAKAMI (for opening only)

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ANNEX 2



IMO OPRC MODEL TRAINING COURSE, LEVEL 2

RESPONSE TO OIL SPILLS FOR SUPERVISORS AND ON-SCENE COMMANDERS

10 to 14 NOVEMBER 2003,

SIMONOSEKI, JAPAN

LECTURERS:		
Dr. Brian Dicks	International Tanker Owners Pollution Federation, London, U.K.	ITOPF
Capt. Patrick Ooi	East Asia Response Pte. Ltd., Singapore	EARL
Mr. Joe Nichols	International Oil Pollution Compensation Fund, London, U.K.	IOPC
Mr. John Ostergaard	International Maritime Organization, London, U.K.	IMO

COURSE PROGRAMME

Monday	10 November 2003	
09:00-09:30 09:30-10:00	Registration of participants Opening Ceremony Representative of Japan (Coast Guard) Director of NOWPAP, MERRAC - International Maritime Organization.	Organizers/ MERRAC
10:00-10:30	<i>Break/Coffee</i>	
10:30-11:30	Course introduction (1) and Overview of spill response (2) <i>Video: Working together</i>	IMO
11:30-12:30	Oil spill behaviour, fate and effects (4)	ITOPF
12:30-14:00	<i>Lunch</i>	
14:00-15:00	Operations planning (6)	EARL

15:00-16:00	Spill Assessment (5)	ITOPF
16:00-16:30	<i>Break/Coffee</i>	
16:30-17:30	Containment, protection and recovery of oil (7) In-Situ Burning Bioremediation Absorbents	EARL ITOPF
17:30	<i>End of day one,</i>	
19:00	Welcome Dinner	MERRAC
Tuesday 11 November 2003		
08:30-08:45	Course review	IMO
08:45-09:30	Containment, protection and recovery of oil (7) Continued. In-Situ Burning Bioremediation Absorbents	EARL ITOPF
09:30-10:30	Use of dispersants	ITOPF
10:30-11:00	<i>Break/Coffee</i>	
11:00-12:30	Shoreline clean-up I (10)	ITOPF
12:30-18:00	<i>Lunch and Technical Tour: Special programme organized by the host Government</i>	<i>Japan</i>
18:00	<i>End of day 2</i>	
Wednesday, 12 November 2003		
08:30-08:45	Course review	IMO
08:45-09:45	Contingency Planning, Response Management and Organisation (3) - National Level, Continued	IMO

	- Regional Level	
09:45-10:45	Site Safety (11)	EARL
10:45-11:15	<i>Break/Coffee</i>	
11:15-13:00	Transfer, storage and disposal (12)	ITOPF
13:00-14:30	<i>Lunch</i>	
14:30-16:00	Liability, Claims and Compensation	IOPC
16:00-16:30	<i>Break / Coffee</i>	
16:30-17:30	Evidence gathering and documentation (14)	IOPC
17:30	<i>End of day 3</i>	
Thursday 13 November 2003		
08:30-08:45	Course review	
08:45-09:45	Command, control, communication and information (15)	EARL
09:45-11:00	Media relations	IMO
11:00-11:30	<i>Break/Coffee</i>	
11:30-13:00	Termination of response (17)	ITOPF
13:00-14:30	<i>Lunch</i>	
14:30-16:00	Post incident briefing (18)	IMO
16:00-16:30	<i>Break/Coffee</i>	
16:30-17:30	<i>Table top exercise</i>	

17:30	<i>End of day 4</i>	
Friday	14 November 2003	
08:30-08:45	Course review	IMO
08:45-10:30	Simulation Exercise: Part I	<i>All</i>
10:30-11:00	<i>Break/Coffee</i>	
11:00-12:30	Simulation Exercise: Part II Exercise debriefing	<i>All</i>
12:30-17:30	<i>Lunch and Field trip: Special programme organized by the host Government</i>	<i>Japan</i>
18:00-18:30	Course review and evaluation	<i>All</i>
18:30-19:30	Course Certificates, Course closure: - IMO; NOWPAP / MERRAC Representative Japan	<i>All</i>
19:30-21:00	Farwell Reception End of Course	<i>Japan</i>

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