

**REPORT**  
**ON THE ACTIVITIES OF**  
**NOWPAP POLLUTION MONITORING REGIONAL ACTIVITY CENTER**  
**(NOWPAP POMRAC)**  
(April, 2003 through May, 2004)

**Background**

Pollution Monitoring Regional Activity Center of UNEP Action Plan for the Protection, Management and Development of the Marine and Coastal Environment of the Northwest Pacific Region (NOWPAP) was formed by NOWPAP Fourth Intergovernmental Meeting (Beijing, China, April 6-7, 1999) on the basis of the Pacific Geographical Institute of the Far East Branch of Russian Academy of Sciences (Vladivostok).

In its work POMRAC is guided by UNEP Action Plan for the Protection, Management and Development of the Marine and Coastal Environment of the Northwest Pacific Region, the Resolutions of NOWPAP First Intergovernmental Meeting of (Seoul, Korea, September 14, 1994), the Resolutions of NOWPAP Third Intergovernmental Meeting (Vladivostok, Russia, April 9, 1998), NOWPAP Fourth Intergovernmental Meeting (Beijing, CHINA, April 6-7, 1999) and NOWPAP Seventh Intergovernmental Meeting (Vladivostok, Russia, March 20-22, 2002).

On the territory of Russia POMRAC in its work is guided by the Constitution of the Russian Federation, laws and other norms of Russian legislation, UNEP management directives.

The Russian national NOWPAP body is the Ministry of Natural Resources with Centre for International Projects acting as its executive body.

The overall goal of POMRAC is the coordination of activity and establishment of cooperation in regional monitoring of marine and coastal environment of the Northwest Pacific Region (NOWPAP/3) under the program NOWPAP UNEP.

Following the results of discussions at the First NOWPAP/3 Coordinating Committee Meeting (Beijing, 21-22 May 2001), the 7th Intergovernmental Meeting (Vladivostok, 20-22 March 2002) the demarcation of the responsibilities and activities between CEARAC and POMRAC as presented by the secretariat in document UNEP/NOWPAP IG.7/8. POMRAC will be fully responsible for two working groups: WG 1 - atmospheric deposition; and WG 2 River and direct inputs.

The 7th Intergovernmental Meeting approved also the budget of \$125,000 for 2002/2003 for POMRAC activities.

The 8th Intergovernmental Meeting approved also the budget of \$150,000 for 2004/2005 for POMRAC activities.

**The main functions and tasks of POMRAC are:**

- To collect relevant information on the introduction of the program of regional monitoring of marine and coastal environment of the Northwest Pacific Region (NOWPAP/3).
- To organize meetings of Working Groups under the plan approved by the member states at intergovernmental meetings.
- To collect information on technologies and know-how in the field of monitoring of the sea, coastal and associated fresh waters as well as the atmosphere in NOWPAP region.
- To develop training programs, to plan and organize training courses and technical seminars.

- To coordinate an exchange of monitoring results in the network of monitoring stations which are included in NOWPAP/3 system and to give these results to other NOWPAP projects and organizations.
- To provide regular reports on the activity of Regional center and to submit these results to NOWPAP Intergovernmental Meetings.
- To publish the technical reports, manuals, bulletins etc. as results of NOWPAP activity.
- To continuously inform the population and organizations concerned on the condition of sea, coastal and associated fresh waters as well as the atmosphere in the NOWPAP region.
- To maintain contacts with POMRAC Working groups and with the appropriate national and regional international organizations in NOWPAP member states to achieve the objectives and tasks of the UNEP NOWPAP.
- To provide the necessary methodical and, when possible, technical assistance for organizations of the NOWPAP countries in efforts and techniques of monitoring of sea, coastal and associated fresh waters and the atmosphere. To organize data intercalibration in cooperation with other international and regional organizations concerned, first of all IOC UNESCO. To promote harmonization of the approaches and techniques used in NOWPAP/3 monitoring network.
- To consider and in consultation with RCU NOWPAP to undertake other necessary initiatives to achieve the objectives and tasks of the Action Plan in the field of pollution monitoring.

**Within its terms of reference and under current legislation, POMRAC has the right to:**

- To liaise with NOWPAP partners; To participate in NOWPAP work on adjacent subjects;
- To involve specialists and experts in the preparation of materials on NOWPAP problems, to form regional environmental cooperation expert boards in consultation with the national coordinator, Center for International Projects.
- To participate in an information exchange on regional environmental problems in accordance with national rules and procedures;
- To conduct meetings and other activities on realization of POMRAC NOWPAP thematic sectors and the program as a whole and on adjacent subjects;
- To prepare recommendations for national and international partners concerned on prospective lines of activity of POMRAC NOWPAP;
- To conduct analysis of information on the problems of international environmental cooperation in the region;
- To advise organizations, institutions and individual experts on international environmental cooperation in the region;
- To correspond with the POMRAC partners on routine matters.

**Outline of POMRAC**

The managerial functions of POMRAC are executed by POMRAC Directorate on the basis of Pacific Geography Institute of the Far East division of the Russian Academy of Sciences and the Center for International Projects. Day-to-day technical-organizational work is to be done by the assigned researchers and technicians from Pacific Geography Institute of the Far East division of the Russian Academy of Sciences.

**Staff**

Three staffers of PGI have been engaged in the work related to POM/RAC activities. POMRAC Focal Points and experts are presented in Annex 2.

## **Address**

7 Radio Street, 690041 Vladivostok, Russian Federation

Phone: +7 4232 313071

Fax: +7 4232 312833

E-mail: [kachur@tig.dvo.ru](mailto:kachur@tig.dvo.ru)  
[pomrac@tig.dvo.ru](mailto:pomrac@tig.dvo.ru)

## **Main Responsibilities**

In accordance with the decision of NOWPAP Seventh and Intergovernmental Meeting, with the budget approved at this meeting and with the main lines of POMRAC work the following activities are scheduled for 2003 – 2004:

1. Holding of the 1st Focal Point's Meeting POMRAC
2. Development of the primary goals, and structure of national and regional reports for working groups.
3. Holding Working Group Meetings,
4. Support of a website.

## **Main Activities:**

**The First Focal Points Meeting for POMRAC** was held from 9 – 12 April 2003 in Vladivostok, Russian Federation.

The major objectives of this meeting were to agree on the Terms of Reference for the FPM (Annex 3), to provide guidance for the work of both Working Groups (WG1 on Atmospheric Deposition and WG2 on River and Direct Inputs) and to recommend to the next NOWPAP Intergovernmental Meeting, the budget and Workplan of POMRAC for 2004/5.

The participants to the first FPM were the nominated Focal Points of four NOWPAP Members, invited experts from NOWPAP members, representatives of UNEP, the Intergovernmental Oceanographic Commission of UNESCO/IOC and UNEP's Global International Water Assessment (GIWA), the Far Eastern Branch of the Russian Academy of Science, the Ministry of Nature Resources the Russian Federation, the directors of DINRAC, CEARAC and a Senior Consultant of MERRAC.

The report of the meeting published and distributed to all NOWPAP members by the Director of POMRAC.

The First Focal Point Meeting for POMRAC has defined provisional directions of work for WG1 and WG2:

*Possible Tasks of Atmospheric Deposition WG are:*

- Review and assess existing programs and systems, which may be used for the evaluation the atmospheric deposition of contaminants into the marine and coastal environment.
- Review of the scientific data and models for the evaluation of the atmospheric deposition of contaminants into the marine and coastal environment.
- Discuss strategies and priorities for the implementation of this program.
- Identify the models, monitoring parameters and data to be used in order to link terrestrial data to atmospheric deposition into the marine and coastal environment.
- Discuss the need and possibility of developing the monitoring systems for atmospheric deposition in marine environment (at sea).
- Discuss and recommend the improvement of the existing monitoring systems (including the capacity building and training activities).

- Identify and cooperate with potential partners, organizations and/or programs, which may operate in the related fields.
- Discuss the development of data and information sharing and exchange mechanisms within NOWPAP members and the related partners.
- Discuss the development of public outreach, programs.

*Possible Tasks of WG2 on River and Direct Inputs are:*

Assessment:

- Exchange of detailed national reports with the description of parameters measured, methods used, data formats, quality criteria, national policies, etc. (format for submission to be prepared by POMRAC)
- Review and evaluation of existing monitoring programs related to river inputs of contaminants into coastal and marine environment
- Identification of needs for improvement of existing programs and possible needs for new techniques
- Preparation of the regional overview using data submitted by countries.
- Final products: regional assessment of river inputs to the seas and recommendations regarding future works (to be published by POMRAC)

Prioritization:

- Identification and prioritization of required activities under this working group
- Regional prioritization of parameters to be measured;

Capacity Building:

- Intercalibration exercise (using external funds as well)
- Training courses (using existing training centers/courses)
- Exchange of experts (back-to-back with WG meetings)

Public Outreach:

- Preparation of public awareness materials (e.g., for website, newsletter, or booklet).

**During second part of 2003 POMRAC** worked on Edition of reports of 1FPM. This Report was published in September 2003.

**June-September 2003** was preparing 1-st variant of INTERNET Site POMRAC NOWPAP <http://www.pomrac.dvo.ru> .

**8th Intergovernmental Meeting** on the Northwest Pacific Action Plan (Sanya, Hainan Province the Peoples Republic of China, 5-7 November 2003).

Director POMRAC presented for approval REPORT ON THE ACTIVITIES OF NOWPAP POLLUTION MONITORING REGIONAL ACTIVITY CENTER (POMRAC) IN 2002/2003 BIENNIUM, Terms of Reference for the NOWPAP POMRAC Focal Points Meeting, Workplan and Budget for 2004/2005.

8th IGM approved all POMRAC documents and budget for NOWPAP for 2004/5 as it is presented in ANNEX 1.

**During December 2003 – February 2004** POMRAC developed the primary goals, and structure of national and regional reports for WG1 (Atmospheric Deposition) and WG2 (River and Direct Inputs).

**The 1<sup>st</sup> Joint Meeting of NOWPAP POMRAC Working Groups (WG1 and WG2)** was held from 24-25 May 2004 in Vladivostok, Russian Federation

The major objectives of this meeting were:

to agree on the Terms of Reference for the Working Group 1 (Atmospheric Deposition) and Terms of Reference for the Working Group 2 (River and Direct Inputs) of POMRAC NOWPAP;

to provide guidance for the work of both Working Groups;

to agree Structures of the National Reports on Atmospheric Deposition and River and Direct Inputs of Contaminants;

to agree Structures of the General/Regional Overview on Atmospheric Deposition and River and Direct Inputs of Contaminants;

to recommend to the 2<sup>nd</sup> POMRAC FPM Workplan of WG1 and WG2 for 2004/5.

The participants to the 1<sup>st</sup> Joint Meeting of NOWPAP POMRAC Working Groups were the nominated POMRAC Focal Points of four NOWPAP Members, experts from NOWPAP members, representative of UNEP, representatives of the Far Eastern Branch of the Russian Academy of Science and the Ministry of Nature Resources the Russian Federation, the director of CEARAC, representatives of DINRAC and MERRAC.

After in both plenary and WG separate sessions the meeting agreed on the final draft text of the two following documents (Annex 4):

- Terms of Reference for NOWPAP POMRAC WG 1 - Atmospheric Deposition of Contaminants into the Marine and Coastal Environment.
- Terms of Reference for NOWPAP POMRAC WG 2 River and Direct Inputs of Contaminants into the Marine and Coastal Environment.

During the separate work of WG 1 and WG 2, National Experts from China, Japan, Korea and Russia presented their respective national reports and overviews of existing activities and future plans regarding monitoring of atmospheric input in NOWPAP region to Working Group 1 and river and direct inputs in NOWPAP region to Working Group 2.

The meeting agreed on the content of the two respective national reports (Annex 4):

1. Structure and content of national reports of NOWPAP Members on atmospheric deposition of contaminants into the marine and coastal environment in NOWPAP region.
2. Structure and content of national reports of NOWPAP Members on river and direct inputs of contaminants into the marine and coastal environment in NOWPAP region.

The meeting agreed that the main activities for WG 1 (Atmospheric Deposition) would consist of the following elements:

1. Review and assess existing national and regional programs and systems, which may be used for the evaluation of the atmospheric deposition of contaminants into the marine and coastal environment.
2. Review the national monitoring data as well as scientific data and models for the evaluation of the atmospheric deposition of contaminants into the marine and coastal environment.
3. Discuss regional strategies and priorities for the monitoring and evaluation of atmospheric deposition of contaminants in the region
4. Identify the monitoring parameters and data to be used in order to link land-based data to atmospheric deposition into the marine and coastal environment.
5. Discuss the further development of a monitoring system for atmospheric deposition into marine and coastal environment, including marine-based measurements/observations.
6. Identify and cooperate with potential partners, organizations and/or programmes, which may operate in the related fields.

7. Discuss the development of data and information sharing and exchange mechanisms within NOWPAP members and the related partners.
8. Discuss the development of the building measures capacity and public outreach products.
9. Assist in the preparation of detailed national reports.
10. Prepare a regional overview based on the national reports.
11. Develop a regional assessment of the state of marine and coastal environment in the NOWPAP region.

The meeting also agreed that the main activities for WG 2 (River and Direct Inputs) would consist of the following elements:

1. Compilation and exchange of national reports based on a format agreed upon by POMRAC Focal Points Meeting
2. Review of the national reports
3. Preparation of the regional overview (consultancy)
4. Identification of gaps and needs.
5. Publication of national reports
6. Publication of regional overview
7. Identification and prioritization of required activities under this working group

Following the discussion on the modalities of the work to undertake these activities the meeting agreed, in principle on the following steps:

1. National Experts will be hired by POMRAC secretariat, based on recommendations of POMRAC Focal Points.
2. The National Experts will compile the National Reports, based on the Structure and Contents of National Reports agreed upon by the meeting.
3. The National Reports will be submitted by National Experts to POMRAC no later than February 2005.
4. A Regional Expert will compile and harmonize the four National Reports and provide a short introduction and summary.
5. Draft National Reports will be submitted to the next POMRAC FPM in May 2005 for adoption.
6. The National reports will be printed as a POMRAC technical report.
7. A Regional Expert (possibly, but not necessarily the same one mentioned in point 4 above) will be hired to compile a regional assessment and overview, using, inter alia, the publication of the National Reports.
8. The next POMRAC FPM will discuss and agree on the structure, content, scope and sources of the Regional Assessment and Overview.

### **Other activities.**

The international programs, with which one the cooperation is established during 2003:

1. Program UNESCO "The Man and biosphere (MAB UNESCO)"

2. UNESCO IOC - NEAR-GOOS
3. Program UNEP "Global international water's assessment (GIWA)"
4. Program IGBP "Land Ocean Interaction in the Coastal Zone (LOICZ)"

Within 2003- May 2004 POMRAC took part in job of Workshop of GIWA in Vladivostok, Russian Federation 11-13 April 2003 (Program GIWA UNEP) on the problems of preservation of the environment devoted to revealing of region NOWPAP, Workshop of UNESCO IOC - NEAR-GOOS in Vladivostok June 2003, Workshop of WG 4 CEARAC in Vladivostok September 2003.

## Expenditures for POMRAC in 2003/May 2004

### Workplan and Budget for POMRAC (as approved by POMRAC 1st Focal Points Meeting) and Expenditures in 2003/ May 2004.

Activities	Actions	Remarks	Planned Budget (in US\$) as approved by POMRAC 1st Focal Points Meeting	Expenditures as of April 2004
Organization of the First POMRAC Focal Points Meeting (FPM) (Vladivostok, April 2003)			30,000	30,000 *
Organization of Working Group 1 Atmosphere Deposition	May 2004 Prior nominations of Experts is required (by June 2003).	WG 1 is expected to discuss and develop activities following guidance of 1st FPM.	20,000	10,000**
Organization of Working Group 2 - River and Direct Input	Planned for September- October 2003 Prior nominations of Experts is required (by June 2003).	WG 2 is expected to discuss and develop activities following guidance of 1st FPM.	20,000	10,000**
Production of concluding documents on WG1 and WG2 work	November 2003 - March 2004	Through consultant	4,000	-
Submission of additional information for preparation of Regional Report of WG 1	Beginning of work in 2003 completion in 2004	2,000 US\$ for experts in each NOWPAP member and 2,000 US\$ for Compilation of reports to Regional report	10,000	-
Submission of additional information for preparation of Regional Report of WG 2	Beginning of work in 2003 completion in 2004	2,000 US\$ for experts in each NOWPAP member and 2,000 US\$ for Compilation of reports to Regional report	10,000	-
Building a POMRAC Website (including license, developing and maintenance)			10,000	5,000
Coordination of POMRAC activities	Travel, publications of POMRAC activities Throughout year		10,000	8,483
Communication			4,000	2,100
<b>TOTAL</b>			<b>118,000</b>	<b>65,583</b>

\* included cost of Publishing of Report 1<sup>st</sup> FPM

\*\* without DSA and Travel expenses of foreign Participants of Joint WG meeting.

## Annex 1

### Workplan and Budget for NOWPAP activities for the biennium 2004/5

As approved by the 8th Intergovernmental Meeting of NOWPAP,  
Sanya, China, 5-7 November 2003\*

Activity	Responsibility for implementation	2004/5 Budget (In thousands \$ USD)
<b>DINRAC</b> Data and Information	DINRAC	150
<b>CEARAC</b> HAB and Remote Sensing	CEARAC	150
<b>MERRAC</b> Preparedness and response, Marine based pollution	MERRAC	150
<b>POMRAC</b> River Inputs and Atmospheric Inputs	POMRAC	150
<b>Survey of Nat'l Legislation</b> NOWPAP 2	RCU - when established	10
<b>Public Awareness</b> NOWPAP 6	RCU - when established	23
<b>Coordination of RACs</b> NOWPAP 5	RCU - when established	40
<b>Land Based Activities and Ecosystem Based Management</b>	UNEP as Interim Secretariat and RCU - when established	100
<b>Establishment and operation of RCU</b>	UNEP as Interim Secretariat and RCU - when established	120
<b>Implementation of NOWPAP</b>	UNEP as Interim Secretariat and RCU - when established	80
<b>Sub-Total</b>		973
<b>13% of the sub-total as Program Support Cost</b>		127
<b>Total</b>		<b>1,100</b>

\* **Remark** - according to the decision of the 8<sup>th</sup> IGM this budget may be reviewed and amended, if necessary, during the 2004/5 biennium.

## ANNEX 2

### **POMRAC Focal Points :**

#### **Japan**

**Mr. Osamu MIZUNO** - Deputy Director Global Environmental Issues Division Global Environment Bureau Ministry of the Environment  
1-2-2 Kasumigaseki, Chiyoda-ku, Tokyo 100-8975, Japan  
Tel.: 81-3-5521-8243, Fax: 81-3-3581-3348 E-mail: OSAMU\_MIZUNO@env.go.jp

#### **People's Republic of China**

**Mr. Rui bin WANG** - Senior Engineer Dept. of Air Quality, China National Environmental Monitoring Center  
No.1 Yuhuanlu, Beisihuan Donglu, Chaoyang District, Beijing 100029, China  
Tel.: 0086-10-84636375, Fax: 0086-10 84650863 E-mail: rbwang@zhb.gov.cn

#### **Republic of Korea**

**Dr. Seong Soo KIM** – Researcher National Fisheries Research & Development Institute  
408-1, Sirang-ri, Gijang-eup, Gijang-gun, Busan, Republic of Korea  
Tel.: 82-51-720-2541, Fax: 82-51-720-2515 E-mail: sengsu@nfrdi.re.kr

#### **Russian Federation**

**Dr. Alexander V. TKALIN** - Leading Researcher Department of Oceanography and Marine Ecology Far Eastern Regional Hydrometeorological Research Institute  
24 Fontannaya St., Vladivostok 690990 Russian Federation  
Tel.: 7-4232-224887, Fax: 7-4232-227754 E-mail: atkalin@hydromet.com

### **POMRAC Experts**

#### **Japan**

**Mr. Akira HARASHIMA** - Chief of Marine Environment Laboratory, Ph.D Department of Water and Soil Environment National Institute for Environmental Studies  
16-2 Onogawa, Tsukuba, Ibaraki 305-8506, Japan  
Tel.: 81-29-850-2508, Fax: 81-29-850-2576 E-mail: harashim@nies.go.jp

#### **People's Republic of China**

**Ms. Mingcui WANG** - Senior Engineer Dept. of Ecological Monitoring, China National Environmental Monitoring Center  
No.1 Yuhuanlu, Beisihuan Donglu, Chaoyang District, Beijing 100029, China  
Tel.: 0086-10-84637722-2637(O), Fax: 0086-10 84633677 E-mail: wang\_mingcui@21cn.com, eco-cnemc@etang.com

#### **Republic of Korea**

**Mr. Daeseok KANG** - Senior Researcher Marine Environment & Safety Division  
Korea Maritime Institute

NFFC B/D, 11-6, Shinchun-Dong, Songpa-Ku Seoul, 138-730, Republic of Korea  
E-mail: dskang@kmi.re.kr

### **Russian Federation**

**Dr. Boris V. KUBAI** – Director Primorsky Interregional Territorial State Department of Hydrometeorology and Monitoring of Environment 3 Mordovtceva St., Vladivostok 690990 Russian Federation

Tel.: 7-4232-267247, Fax: 7-4232-221750 E-mail: master@primpogoda.ru

**Dr. Lev M. GRAMM-OSIPOV** - Deputy Director V.I.Il'ichev Pacific Oceanological Institute Far Eastern Branch of Russian Academy of Sciences  
43, Baltiyskaya St., Vladivostok, 690041 Russian Federation

Tel.: 7-4232-311400, Fax: 7-4232-312573

## ANNEX 3

### **Terms of Reference for the NOWPAP POMRAC Focal Points Meeting**

#### **1. Background**

In order to implement the objectives related to the monitoring and assessment of the marine and coastal environment {objective 1 task (a) and objective 5 tasks (a) (b) (c)} of the “Action Plan for the Protection, Management and Development of the Marine and Coastal Environment of the North West Pacific Region (NOWPAP)”, the First Intergovernmental Meeting (IGM) on NOWPAP in September 1994, Seoul, Republic of Korea, gave a priority, inter alia to the establishment of “Activity NOWPAP/3 – Establishment of a collaborative, regional monitoring programme”.

The Fourth IGM (Beijing, 6-7 April 1999) adopted the proposal for the second phase of the implementation of NOWPAP, in which the establishment of a Coordinating Committee was expected as an outcome for the Activity NOWPAP/3. Resolution 1 of this meeting requested the NOWPAP Members to designate relevant representatives for participation in the “NOWPAP/3 Coordinating Committee and Working Groups”.

The First Meeting of the Coordinating Committee (Beijing, 21-22 May 2001), agreed upon the terms of reference for Coordinating Committee and for the Working Groups.

The Pollution Monitoring Regional Activity Center (POMRAC), was established on 15 August of 2002, based on the resolution 2nd of the Fourth IGM, and following the signature of a Memorandum of Understanding between UNEP and the Pacific Geographical Institute of Far Eastern Branch of Russian Academy of Sciences from 1 August 2002 in Vladivostok, Russian Federation. POMRAC was designated to coordinate and facilitate pollution monitoring related activities with technical assistance from UNEP and other relevant international and regional organizations.

The overall goal of POMRAC is to coordinate regional activities related to the establishment of a collaborative regional monitoring programme, particularly focusing on two areas: Atmospheric Deposition of Contaminants and Direct and River Inputs of Contaminants into marine and coastal environment.

POMRAC will be engaged, inter alia, in the development of a regional monitoring programme, development and implementation of monitoring data quality and analytical control methods, training courses relevant to monitoring methodologies and data and analytical control.

[This document was approved by the First POMRAC Focal Points Meeting (Vladivostok, 9-11 April 2003)].

#### **2. Objectives**

The POMRAC Focal Points Meeting is a NOWPAP arrangement to promote smooth and effective coordination of activities related to the monitoring of Atmospheric Deposition and River and Direct Inputs in the NOWPAP region. The main objectives of the POMRAC Focal Points Meeting are:

- (a) Exchange information to ensure practical implementation of activities related to the monitoring of Atmospheric Deposition and River and Direct Inputs into the coastal and

marine environment in the NOWPA P region.

- (b) Promote, coordinate and harmonize regional cooperation in the NOWPA P region related to the monitoring of Atmospheric Deposition and River and Direct Inputs into the coastal and marine environment.

### **3. Functions**

The functions of the POMRAC Focal Points Meeting as an advisory body to POMRAC are:

- (a) Identify and carry out the cooperative actions in the NOWPA P region related to the monitoring of the Atmospheric Deposition and River and Direct Inputs.
- (b) Coordinate, guide and supervise the work of the two Working Groups operating under POMRAC:
  - WG 1 - Atmospheric Deposition of Contaminants;
  - WG 2 - River Inputs and Direct Inputs of Contaminants.
- (c) Promote information exchange and technical cooperation, including education, training and technology transfer in the fields related to monitoring of the Atmospheric Deposition and River and Direct Inputs.
- (d) Review ongoing regional and national activities and advise POMRAC on necessary follow-up actions related to the monitoring of the Atmospheric Deposition and River and Direct Inputs.
- (e) Advise POMRAC on necessary activities related to the goals and objectives of NOWPA P in the field of marine and coastal monitoring.

### **4. Participation**

- 4.1 NOWPA P Members will be invited to participate in the POMRAC Focal Points Meeting. The representative of each NOWPA P Member, the national Focal Point should represent the relevant national authority which has the responsibility and authority at the national level regarding monitoring of the marine and coastal pollution. The Focal Point himself/herself should be of high level and with authority and experience in issues related to monitoring of the marine and coastal pollution. Each representative may be accompanied by advisors as appropriate, such as a senior scientist with the experience in these above mentioned fields. It is expected that NOWPA P Members would ensure that their delegations reflect the full range of national expertise's and interests.
- 4.2 The representatives of international organizations, Non-Governmental Organizations (NGOs), local authorities and representatives of the civil society willing to contribute to the work of these meetings may be invited as observers.
- 4.3 The representatives of the NOWPA P Regional Coordinating Unit (RCU) and NOWPA P Regional Activity Centers (RACs) may also participate in the Meeting as observers.
- 4.4 The list of invited observers will be circulated by the Director of POMRAC to the POMRAC Focal Points prior to the meeting.

4.5 Certain meeting discussions may be limited only to NOWPAP Members' official representatives. Observers may be requested to be absent from these discussions. Decisions on this issue will be made by the NOWPAP Members' official representatives. The continued participation of observers in the work of the meetings will be reviewed periodically, taking into account the contribution of such observers to the work of the POMRAC Focal Points Meeting.

## **5. Sessions**

5.1 The POMRAC Focal Points Meeting should be held once a year. Each session will discuss the timing of the subsequent session.

5.2 At each session, the meeting will elect, from the official representatives of the NOWPAP Members, a Chairperson and a Rapporteur.

5.3 Election of officers of the meeting will be decided by consensus.

## **6. Tasks**

The POMRAC Focal Points Meeting will carry out the following tasks:

(a) To advise and recommend to the NOWPAP Intergovernmental Meeting on the Workplan and budget of POMRAC through its Director.

(b) To periodically review and approve the implementation of the plan and budget of POMRAC as adopted by the IGM.

(c) To guide the work of the Working Groups through the provision and periodic review of the Terms of Reference.

(d) To review periodic reports prepared by POMRAC.

(e) To review proposals and overviews prepared by the Working Groups.

(f) To advise the POMRAC and other NOWPAP RACs on the coordination of the work of the Working Groups and other NOWPAP activities.

## **7. Intersessional work**

The intersessional work will be carried out mainly by correspondence among the Focal Points. If necessary, and subject to availability of funds, meetings of experts, workshops and other meetings may be organized.

## **8. Secretariat**

The POMRAC Focal Points Meeting and the Working Groups will be served by a secretariat provided jointly (as appropriate) by the POMRAC, the NOWPAP Regional Coordinating Unit, UNEP and UNESCO/IOC.

## **9. Decisions**

The meeting will achieve decisions by consensus among the NOWPAP Members. If consensus cannot be reached on administrative and procedural matters, voting may be taken. Each NOWPAP Member will have one vote. Such decision will be taken by a majority of those NOWPAP Members present and voting.

## **10. Procedure**

10.1 The POMRAC Focal Points Meeting and Working Groups shall adopt, mutatis mutandis, the rules of procedures of the UNEP Governing Council.

10.2 The POMRAC Focal Points Meeting shall advise, when necessary, to the Intergovernmental Meeting on amendments to the present Terms of Reference of POMRAC Focal Points Meeting.

## **11. Agenda**

Focal Points may request the secretariat to include specific items in the provisional agenda prior to its distribution.

### **1. Budget and Expenses**

12.1 The budget for the POMRAC Focal Points Meeting and POMRAC subsequent activities is supported by the NOWPAP Trust Fund. Other external funds should also be sought in accordance with the development of POMRAC activities.

12.2 The Director of POMRAC will report to the Focal Point Meeting on expenditures of the NOWPAP Trust Fund related to POMRAC activities. After approval of such report by the Focal Point Meeting, the Director of POMRAC will report on POMRAC expenditures to the Intergovernmental Meeting.

## **13. Report**

The POMRAC Focal Points Meeting will consider and adopt a report at each meeting. The report will be circulated to all participants of the meeting. The Director of POMRAC will present the report to the Intergovernmental Meeting.

### **2. Language**

The working language of the POMRAC Focal Points Meeting will be English. The host country of each of the meeting sessions may interpret the English into the language of the host country.

## **ANNEX 4.**



**United Nations  
Environment  
Programme**



Distr. restricted

UNEP/NOWPAP/POMRAC/  
WG1 1/3

25 May 2004

Original: ENGLISH

**Northwest Pacific Action Plan  
Pollution Monitoring Regional Activity Centre**

**The First Meeting of NOWPAP POMRAC Working Group 1  
(Atmospheric Deposition)  
Vladivostok, Russian Federation, 24-25 May 2004**

**Terms of Reference**

**for Working Group 1 (Atmospheric Deposition of Contaminants into the Marine  
and Coastal Environment of NOWPAP Region)**

## **Terms of Reference**

### **for POMRAC Working Group 1 (Atmospheric Deposition of Contaminants into the Marine and Coastal Environment of NOWPAP Region)**

#### **Background**

The 7<sup>th</sup> Intergovernmental Meeting of NOWPAP (Vladivostok, 20-22 March 2002), have decided that POMRAC will be responsible for two working groups: WG 1 - Atmospheric Deposition of Contaminants into the Marine and Coastal Environment ; and WG 2 – River and Direct Inputs of Contaminants into the Marine and Coastal Environment (document UNEP/NOWPAP IG.7/8).

The 1<sup>st</sup> Focal Points Meeting of POMRAC (Vladivostok, Russia, 9-11 April 2004) decided that the main task of WG 1 should be to establish a regional assessment program to evaluate the atmospheric deposition of contaminants into the marine and coastal environment in NOWPAP region.

The 2<sup>nd</sup> Focal Points Meeting of POMRAC (Vladivostok, Russia, 26-28 May 2004) adopted the Terms of Reference for Working Group 1 (WG 1), as follows.

#### **Objectives**

The main objectives of the WG 1 are:

- (c) Exchange information to ensure practical implementation of activities related to the monitoring of Atmospheric Deposition in the NOWPAP region.
- (d) Promote, coordinate and harmonize regional cooperation in the NOWPAP region related to the monitoring of Atmospheric Deposition into the coastal and marine environment.

#### **Functions**

The functions of the WG 1 are:

- Identify and carry out the cooperative actions in the NOWPAP region related to the monitoring of the Atmospheric Deposition.
- Promote information exchange and technical cooperation, including education, training and technology transfer in the fields related to monitoring of the Atmospheric Deposition.
- Review ongoing regional and national activities and advise POMRAC on necessary follow-up actions related to the monitoring of the Atmospheric Deposition.
- Advise POMRAC on necessary activities related to the goals and objectives of NOWPAP in the field of marine and coastal monitoring.

#### **Participation**

Each NOWPAP Member will nominate its representatives to WG 1. The Working Group will be composed of two experts from each NOWPAP Member, preferably from the scientific community dealing with Atmospheric Deposition.

Other relevant international or/and regional organizations dealing with Atmospheric Deposition in the NOWPAP region may be invited to participate in the work of WG 1 as observers or consultants.

### **Activities**

To achieve the main task of the Working Group 1 (Atmospheric Deposition), the following activities will be carried out:

- Review and assess existing national and regional programs and systems, which may be used for the evaluation of the atmospheric deposition of contaminants into the marine and coastal environment.
- Review of the national monitoring data as well as scientific data and models for the evaluation of the atmospheric deposition of contaminants into the marine and coastal environment.
- Discuss regional strategies and priorities for the monitoring and evaluation of atmospheric deposition of contaminants in the region.
- Identify the monitoring parameters and data to be used in order to link the land-based data to atmospheric deposition into the marine and coastal environment.
- Discuss the further development of a monitoring system for atmospheric deposition into marine and coastal environment, including marine-based measurements/observations.
- Identify and cooperate with potential partners, organizations and/or programs, which may operate in the related fields.
- Discuss the development of data and information sharing and exchange mechanisms within NOWPAP members and the related partners.
- Discuss the development of the capacity building measures and public outreach products.
- Assist in preparation of detailed national reports.
- Prepare a regional overview based on the national reports.
- Participate and contribute to a regional assessment of the state of marine and coastal environment in NOWPAP region.

### **Procedures**

WG 1 will meet once or twice a year in venues rotating among NOWPAP members. Intersessional work will be carried out mainly by correspondence (via internet).

The Working Group 1 shall adopt, mutates mutandis, the rules of procedures of the UNEP Governing Council.

The Chairperson for each meeting will be elected by the WG 1 on a rotational basis. The Chairperson will continue to serve as the chairperson of WG 1 during the intersessional period, until a new chair is elected in the following meeting.

Working Group 1 will try to achieve decisions by consensus. Lack of consensus will be reported to the next POMRAC Focal Points Meeting.

The Working Group 1 shall advise, when necessary, to the POMRAC Focal Points Meeting on amendments to the present Terms of Reference of WG 1.

A report will be prepared at the end of each WG 1 meeting. The report will be presented to the next POMRAC Focal Points Meeting.

POMRAC will act as the secretariat for Working Group 1.

### **Budget and Expenses**

The WG 1 activities will be supported by the NOWPAP Trust Fund through MERRAC budget. Other external funds should also be sought in accordance with the development of POMRAC activities.

### **Language**

The working language of the WG 1 will be English. The host country of each of the meeting sessions may interpret English into the language of the host country.



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**Northwest Pacific Action Plan  
Pollution Monitoring Regional Activity Centre**

**The First Meeting of NOWPAP POMRAC Working Group 2  
(River and Direct Inputs)  
Vladivostok, Russian Federation, 24-25 May 2004**

**Terms of Reference**

**for POMRAC Working Group 2 (River and Direct Inputs of Contaminants into the  
Marine and Coastal Environment in NOWPAP Region)**

## **Terms of Reference**

### **for POMRAC Working Group 2 (River and Direct Inputs of Contaminants into the Marine and Coastal Environment in NOWPAP Region)**

#### **Background**

The 7<sup>th</sup> Intergovernmental Meeting of NOWPAP (Vladivostok, 20-22 March 2002), decided that POMRAC should be responsible for two working groups: WG 1 – Atmospheric Deposition of Contaminants into the Marine and Coastal Environment; and WG 2 – River and Direct Inputs of Contaminants into the Marine and Coastal Environment (document UNEP/NOWPAP IG.7/8).

The 1<sup>st</sup> Focal Points Meeting of POMRAC (Vladivostok, Russia, 9-11 April 2003) decided that the main task of WG 2 should be to establish a regional assessment program to evaluate the river and direct input of contaminants into the marine and coastal environment in the NOWPAP region.

The 2<sup>nd</sup> Focal Points Meeting of POMRAC (Vladivostok, Russia, 26-28 May 2004) adopted the Terms of Reference for Working Group 2 (WG 2), as follows.

#### **Objectives**

The main objectives of WG 2 are:

- (e) Exchange information to ensure practical implementation of activities related to the monitoring of river and direct input in the NOWPAP region.
- (f) Promote, coordinate and harmonize regional cooperation in the NOWPAP region related to the monitoring of river and direct input into the coastal and marine environment.

#### **Functions**

The functions of WG 2 are:

- Identify and carry out the cooperative actions in the NOWPAP region related to the monitoring of the river and direct input.
- Promote information exchange and technical cooperation, including education, training and technology transfer in the fields related to monitoring of the rivers and direct input.
- Review ongoing regional and national activities and advise POMRAC on necessary follow-up actions related to the monitoring of the river and direct input.
- Advise POMRAC on necessary activities related to the goals and objectives of NOWPAP in the field of marine and coastal monitoring.

#### **Participation**

Each NOWPAP Member will nominate its representatives to WG 2. The Working Group will be composed of two experts from each NOWPAP Member, preferably from the scientific community dealing with rivers and direct input.

Other relevant international or/and regional organizations dealing with rivers and direct input in the NOWPAP region may be invited to participate in the work of WG 2 as observers or consultants.

### **Tasks**

The main task of Working Group 2 (River and Direct Inputs) will be the establishment of a regional assessment and overview of river and direct inputs of contaminants into the marine and coastal environment in the NOWPAP region. To achieve this WG 2 could carry out the following activities:

- 1) Compilation and exchange of national reports based on a format agreed upon by POMRAC Focal Points Meeting.
- 2) Review of the national reports.
- 3) Preparation of the regional overview (consultancy).
- 4) Identification of gaps and needs.
- 5) Final products: i) Publication of national reports; ii) Publication of regional overview.
- 6) Identification and prioritization of required activities under this working group.

### **Procedures**

WG 2 will meet once or twice a year in rotating venues among the NOWPAP members. Intersessional work will be carried out mainly by correspondence (via internet).

The Chairperson for each meeting will be elected by WG 2 on a rotational basis. The Chairperson will continue to serve as the chairperson of WG 2 during the intersessional period, until a new chair is elected in the following meeting.

Working Group 2 will try to make decisions by consensus. Lack of consensus will be reported to the next POMRAC Focal Points Meeting.

Working Group 2 will advise, when necessary, to the POMRAC Focal Points Meeting on amendments to the present Terms of Reference of WG 2.

A report will be prepared at the end of each WG 2 meeting. The report will be presented to the next POMRAC Focal Points Meeting.

POMRAC will provide the secretariat to WG 2.

### **Budget and Expenses**

The WG 2 activities will be financially supported by the NOWPAP Trust Fund through MERRAC budget. Other external funds will also be sought in accordance with the development of POMRAC activities.

## **Language**

The working language of WG 2 will be English. The host country of each of the meeting sessions may interpret English into the language of the host country.

ToR WG2 Rivers POMRAC 24.5.2004



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**Northwest Pacific Action Plan  
Pollution Monitoring Regional Activity Centre**

**The First Meeting of NOWPAP POMRAC Working Group 1  
(Atmospheric Deposition)  
Vladivostok, Russian Federation, 24-25 May 2004**

**Structure of the National Reports on  
*Atmospheric Deposition of Contaminants***

**Structure and Content of the National Reports on  
*Atmospheric Deposition of Contaminants***

1. **Executive Summary**
2. **Introduction**
  - Goals and objectives of this report
  - General background information on NOWPAP (set the report in the context of NOWPAP, short history, decisions)
  - General information/introduction on the atmospheric deposition (what is it, why is it important, relevance to the region etc.)
  - Geographical scope (geographical coverage of the report, characteristics of the country and its environment related to the issue. e.g. major rivers, coasts, mountains, cities, climatic systems, physical geography etc.)
  - Institutional arrangements for developing these reports (who prepared this report)
3. **Social and economic situation** (short overview of relevant social and economic aspects related to atmospheric deposition, e.g. population, distribution of communities in the country (mainly coastal or inland communities), main income, anthropogenic activities which cause atmospheric deposition, transport, energy, industry)
4. **National monitoring and research activities related to atmospheric deposition of contaminants**
  - 4.1 **National programs** (major scientific or administrative programs, actors/organizations etc., institutional framework, regular or irregular activities/projects, number and location of stations, existing monitoring parameters (chemical, physical and others) and frequency, etc., including tables and maps).
  - 4.2 **Methodologies/procedures** (including equipment used, detection limits and accuracy – preferably in tabular form [sample tables to be provided by POMRAC Secretariat], QA/QC procedures applicable to atmospheric deposition used in each NOWPAP country).
  - 4.3 **Research activities** (related to atmospheric deposition in NOWPAP region).
  - 4.4 **Training activities** (related to atmospheric deposition)
5. **Present situation** of atmospheric deposition of contaminants (based on 2002 data) and long term trends, if available. Recommended parameters will be submitted by POMRAC secretariat.
6. **Recommendations for future regional activities and priorities** (related to atmospheric deposition in NOWPAP region)
7. **Conclusions**
8. **References** (related publications, websites and other information sources available related to Atmospheric Deposition)

**Annex (s):**

1. **National Laws and Regulations** (overview of relevant policies and laws related to the subject).



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**The First Meeting of NOWPAP POMRAC Working Group 2  
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**Structure of the National Reports on  
*River and Direct Inputs of Contaminants***

## Structure of the National Reports on

### *River and Direct Inputs of Contaminants*

#### 3. Executive Summary

#### 4. Introduction

- Goals and objectives of this report
- General background information on NOWPAP (set the report in the context of NOWPAP, short history, decisions)
- General information/introduction on river and direct inputs of contaminants (what is it, why is it important, relevance to the region etc.)
- Geographical scope of relevant region of NOWPAP area (geographical coverage of the report, major rivers, coasts, mountains, cities, climatic systems, physical geography etc.)
- Institutional arrangements for developing these reports (who prepared this report)

#### 3. Social and economic situation in 2001-2002 (including the historical review for the last decade; Short overview of relevant social and economic aspects related to river and direct inputs of contaminants. e.g. population, distribution of communities, anthropogenic activities which cause river and direct inputs of contaminants, transport, energy, industry)

#### 5. National monitoring and assessment activities (related to river and direct inputs of contaminants)

##### a. Overviews of national policies and laws

##### b. National program(s) (major scientific or administrative programs, actors/organizations etc., institutional framework, regular or irregular activities/projects, and management program including standards.

#### 4.3 Methodologies and procedures (including equipment used, detection limits and accuracy, QA/QC procedures. characteristics of network.

#### 4.4 Research activities

#### 4.5 Training activities and programs

#### 6. Present situation of river and direct inputs of contaminants (based on 2002 data) and long term trends, if available. Recommended parameters will be submitted by POMRAC secretariat.

#### 9. Proposals for future regional activities and priorities in NOWPAP regions

#### 10. Conclusion

#### 11. Data availability (publications, Websites and other information sources)