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## UNDP/GEF PROJECT ENTITLED “REDUCING ENVIRONMENTAL STRESS IN THE YELLOW SEA LARGE MARINE ECOSYSTEM”

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UNDP/GEF/YS/RWG-P.4/7  
Date: 29 August 2007  
English only

### **Fourth Meeting of the Regional Working Group for the Pollution Component**

*Jeju, Republic of Korea, 11 -13 October 2007*

### **Pollution Component Activities for 2008 and Onwards**

1. Agenda 7 will focus on activities that have been suggested and approved by the PSC, but not yet implemented. All of these activities focus on capacity building, while other future activities are related to SAP and are discussed under Agenda 6.

#### **Agenda 7.1**

##### **Workshop on Assessing Marine Environment Quality**

2. This activity was suggested at the 2<sup>nd</sup> RWG-P Meeting, but due to lack of funds in 2006, it was scheduled for implementation in 2007. At the 3<sup>rd</sup> RWG-P Meeting, the details for the workshop’s objective, topics, and target participants were agreed on. The activity was advertised for bidding (see [Appendix I](#)), but no bids were received and due to all member’s busy schedule, activity has not yet been implemented. The RWG-P Chairperson did say that NMEMC was interested in organising the workshop, but has not been able to find time to do so. *During the meeting, NMEMC will introduce a proposal to organise the workshop in 2008.*
3. The PMO will report to the meeting on the latest progress of this activity. *Members are invited to review NMEMC’s proposal and suggest how to implement this activity.* Technical guidance for the workshop is sought from the members, including: resource persons, specific participants to invite, and overall workshop organisation.

#### **Agenda 7.2**

##### **“Level 2” Capacity Building, e.g. AMETEC Training**

4. “Level 2”<sup>1</sup> capacity building activities were first suggested at the 2<sup>nd</sup> RWG-P Meeting. These activities include DPRK’s participation in relevant events. It was originally suggested that AMETEC Training Workshops should be included. However, due to the departure of the former Korea NWG-P Chairperson, who was also in charge of AMETEC Trainings, “Level 2” activities were not implemented in 2007. PMO will report the latest news on AMETEC Training Workshops for next year.

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<sup>1</sup> Defined by RWG-P Members as “...held in conjunction with other on-going activities, and include a wider range of participants.”

5. Members are invited to suggest whether to continue involvement in this activity, and if so, how to be involved.

### **Agenda 7.3 Phytotoxin Workshop**

6. This activity was suggested at the 3<sup>rd</sup> RWG-P Meeting and advertised for bidding (see [Appendix II](#)), but no bids were received. Also, the departure of the former Korea NWG-P Chairperson, who was the expert in this field, caused the activity to be delayed. Appendix II is provided to assist in guiding the discussion on how the workshop should be implemented in 2008.
7. PMO been communicating with Dr. Oh Jae Ryoung who has given some suggestions for this workshop. Dr. Oh is also assisting PMO to identify labs that can host the training workshop. So far, the possibilities are a lab in the Philippines or Jeju University.

#### Philippine Nuclear Research Institute (PNRI)

8. The PNRI has indicated that they would be able to host the workshop, but only for paralytic shellfish toxins, the saxitoxins, which is a suite of related compounds of different toxicities. For saxitoxin assay, the lab uses the receptor assay method using tritium-labelled saxitoxin competing with saxitoxin in the sample to a sodium channel receptor site. They use liquid scintillation counter, both microplate type and the conventional type, and also have the HPLC system for saxitoxin chemical analysis.
9. The length of the workshop will depend on the objectives and background of participants. For people who do not have exposure at all and may not have the necessary background information, and who want to do the assay themselves, a training period of at least 2 weeks may be needed (to include some lectures and exercises).
10. PNRI is also able to accept trainees two at a time on a longer period (2-6 weeks) and they can be part of the research team working on paralytic shellfish toxins.
11. Information about Jeju University's facilities will be available after the 4<sup>th</sup> RWG-P Meeting. However, the selection of the training site and format will depend foremost on what members agree to be the focus of the training.
12. Thus, members are invited to discuss and agree on the objective of the workshop, trainees, their background knowledge, mode of training, and suggest possible times for the workshop. PMO will then organise the training workshop, in consultation with the Chairperson, based on the agreements from the meeting.

### **Agenda 7.4 Visiting Scientist 2**

13. This activity was recommended for implementation during the 3<sup>rd</sup> RWG-P Meeting. One scientist from NMEMC visited KORDI-SSI in November 2006 to compare the analytical methods for PAHs, PCBs and OCPs between China and Korea. The same sediment samples were analysed in both labs. As the methodology used by both

labs were quite similar, the results of the analysis were also similar for many compounds.

14. A second Visiting Scientist activity is scheduled to take place in 2008. Members will be asked to consider the focus of the activity, and the direction of the visit. One option is to work on standardized data analysis methods again. Following the agreements from this meeting, the PMO will advertise a "Call for Proposals" in early 2008 to implement this activity.



## Appendix I

### STATEMENT OF WORK for “Regional Workshop on Assessing Marine Environment Quality”

\*\*\*\*Proposal deadline: 15th January 2007\*\*\*\*

#### 1. Background

The UNDP/GEF Yellow Sea Project, “Reducing Environmental Stress in the Yellow Sea Large Marine Ecosystem,” seeks to organise a **regional workshop on assessing marine environment quality of the Yellow Sea**. This is one of the agreed activities of the Pollution Component of the Project, and approved by the Project Steering Committee at its second meeting.

This “Statement of Work” describes the scope of the activity and the required services. Interested parties may submit proposals detailing how they plan to organise the workshop, according to the required services set out below.

**Geographic Scope:** The Yellow Sea large Marine Ecosystem is defined in the Project Document as the body of water delineated at the south, by a line connecting the north bank of the mouth of the Chang Jiang (Yangtze River) to the south side of Cheju; at the east, by a line connecting Cheju Island to Jindo Island along the coast of the Republic of Korea; and to the north, a line connecting Dalian to Penglai (on the Shandong Peninsula). This latter line separates the Bohai Sea from the Yellow Sea and as a result is not included in this study.

#### 2. Description of Required Services

A consultant/institute will be hired under a legal contract to carry out the preparation, organisation, and convening of a regional workshop on assessing Yellow Sea marine environment quality.

The main objective of the workshop is to promote the capability in the Yellow Sea region in assessment of marine environmental quality.

The workshop should target scientists working in the monitoring and assessment fields from research and/or monitoring organizations (institutes, monitoring centers and/or universities), and also target officers from the administration agencies and local governments from the Yellow Sea bordering countries.

The workshop topics should include:

- (1) Assessment methodologies
- (2) Eutrophication and related policies
- (3) Presentations of case studies as examples
- (4) Potential regional network for assessing marine environment quality
- (5) Any other relevant topic that the proponent feels should be included

English will be the working language of the workshop, otherwise the proponent should make arrangements for simultaneous translation into Chinese, Korean, and/or English.

**Qualifications:**

The consultant selected to carry out this task should have the following qualifications:

- At least 15 years proven track record in the area of coastal and marine pollution management and/or research.
- Knowledge of marine assessment methods, particularly for marine eutrophication.
- Knowledge of assessment standards or criteria used in the countries in Yellow Sea region.
- Strong natural science background with knowledge of Yellow Sea marine environmental pollution management and policies.
- Familiarity with working in the region.
- Proficiency in English.

**3. Deliverables and Deadlines**

The workshop should be organized during 2007, according to the milestones listed in the table below.

<b><u>Action</u></b>	<b><u>Deadline</u></b>
Submit a progress report	At least one month before the start of the workshop
Submit a draft workshop programme	at least 2 weeks before the start of the workshop
Convening of workshop	by September 2007
Submit final report	within one month after the end of the workshop

**4. Monitoring/Progress Control**

The Project Management Office (PMO) will assume overall supervision and co-ordination of this task. Programmatic guidance should be sought from the Project Manager, Mr. Yihang Jiang ([yihang@yslme.org](mailto:yihang@yslme.org)), copied to Ms. Connie Chiang ([connie@yslme.org](mailto:connie@yslme.org)) at the Yellow Sea PMO. All deliverables should be submitted to Ms. Connie Chiang.

**5. Expected Outputs/Results**

The final product should be a workshop report following the suggested table of contents format listed below.

- I. Introduction describing the needs for having the workshop
- II. Proceedings of the workshop, e.g. including abstracts, presentations, discussion summaries, recommendations
- III. List of Participants

The workshop report should be prepared in English, and submitted to the Yellow Sea Project Management Office.

## 6. Contents of the Proposal

Interested parties should submit a detailed proposal to [info@yslme.org](mailto:info@yslme.org) before the deadline of 15<sup>th</sup> January 2007.

The proposal should include:

1. Background of the need for such a workshop
2. Summary of how the workshop will be organised
3. Workshop objective(s)
4. Topics
5. Draft programme
6. Target type and number of participants
7. Collaboration with other projects/programmes
8. Size, duration, approximate dates, and venue
9. A detailed budget breakdown in US Dollars, including any co-financing resources
10. Workplan
11. CV of lead proponent / contact person, and full contact details

### PROPOSED BREAKDOWN OF COSTS (USD)

<u>Item</u>	<u>Unit Cost (USD)</u>	<u># of Units</u>	<u>Total Cost (USD)</u>
1....			
2.....			
3....			
Etc.			
<b>TOTAL AMOUNT REQUESTED</b>			





## Appendix II

### STATEMENT OF WORK

for

### “Regional Training Workshop on Phytotoxin Analysis”

\*\*\*\*Proposal deadline: 10<sup>th</sup> February 2007\*\*\*\*

#### 1. Background

The UNDP/GEF Yellow Sea Project, “Reducing Environmental Stress in the Yellow Sea Large Marine Ecosystem,” seeks to organise a **regional training workshop on phytotoxin analysis**. This is one of the agreed activities of the Pollution Component of the Project, and approved by the Project Steering Committee at its third meeting.

This “Statement of Work” describes the scope of the activity and the required services. Interested parties may submit proposals detailing how they plan to organise the workshop, according to the required services set out below.

**Geographic Scope:** The Yellow Sea large Marine Ecosystem is defined in the Project Document as the body of water delineated at the south, by a line connecting the north bank of the mouth of the Chang Jiang (Yangtze River) to the south side of Cheju; at the east, by a line connecting Cheju Island to Jindo Island along the coast of the Republic of Korea; and to the north, a line connecting Dalian to Penglai (on the Shandong Peninsula). This latter line separates the Bohai Sea from the Yellow Sea and as a result is not included in this study.

#### 2. Description of Required Services

A consultant/institute will be hired under a legal contract to carry out the preparation, organisation, and convening of a regional workshop on phytotoxin analysis.

The main objective of the workshop is to promote the capability in the Yellow Sea region in assessment of phytotoxins, which includes:

- Understanding the possible pathways of seafood contamination by HABs toxins
- Understanding the analytical methods of phytotoxins;
- Understanding the mechanism of phytotoxin poisoning and related policies to reduce poisoning; and
- Establishment of reference labs in the YS region.

The workshop should target scientists working in the chemical and/or assessment fields from research and/or monitoring organisations (institutes, monitoring centers and/or universities), and also target officers from the administration agencies and local governments from the Yellow Sea bordering countries.

The workshop topics should include:

(1) Analytical methods  
Mouse Bioassay (MBA)  
Receptor Binding Assay (RBA)

(2) Phytotoxin poisoning and related policies  
Policy for reducing human health effects

## Establishment of reference labs in the YS region

### (3) Case studies

The case studies should be presented to the workshop, with focus on, but not limited to, the countries in the Yellow Sea region

English will be the working language of the workshop, otherwise the proponent should make arrangements for simultaneous translation into Chinese, Korean, and/or English.

### Qualifications:

The consultant selected to carry out this task should have the following qualifications:

- At least 15 years proven track record in the area of coastal and marine pollution management and/or research.
- Knowledge of marine chemical analytical / assessment methods, in particular, phytotoxin analysis.
- Strong natural science background with knowledge of Yellow Sea marine environmental pollution management and policies.
- Familiarity with working in the region.
- Proficiency in English.

### **3. Deliverables and Deadlines**

The workshop should be organized during 2007, according to the milestones listed in the table below.

<u>Action</u>	<u>Deadline</u>
Submit a progress report	At least one month before the start of the workshop
Submit a draft workshop programme	at least 2 weeks before the start of the workshop
Convening of workshop	by September 2007, although negotiable somewhat
Submit final report	within one month after the end of the workshop

### **4. Monitoring/Progress Control**

The Project Management Office (PMO) will assume overall supervision and co-ordination of this task. Programmatic guidance should be sought from the Project Manager, Mr. Yihang Jiang ([yihang@yslme.org](mailto:yihang@yslme.org)), copied to Ms. Connie Chiang ([connie@yslme.org](mailto:connie@yslme.org)) at the Yellow Sea PMO. All deliverables should be submitted to Ms. Connie Chiang.

### **5. Expected Outputs/Results**

The final product should be a workshop report following the suggested table of contents format listed below.

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The workshop report should be prepared in English, and submitted to the Yellow Sea Project Management Office.

## 6. Contents of the Proposal

Interested parties should submit a detailed proposal to [info@yslme.org](mailto:info@yslme.org) before the deadline of 31<sup>st</sup> January 2007.

The proposal should include:

1. Background of the need for such a workshop
2. Summary of how the workshop will be organised
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