



Report on the IMO and IPIECA supported National workshop for the finalization and implementation of the National Oil Spill Contingency Plan of Angola



**Organised
By
The Angolan Ministry of Petroleum**

29th October to 1st November 2007

**Luanda
Republic of Angola**

The views expressed in this report are those of the consultant and are not attributable in any way to the United Nations or the International Maritime Organisation.

Title of the workshop: Implementation of the Angolan National Oil Spill Contingency Plan

Host: Angolan Ministry of Petroleum

Place and Date: Luanda, Angola. 29th October to 1st November 2007

Type: National

Organised by: Environmental Protection Department, Angolan Ministry of Petroleum

Supported by: Global Initiative of IMO Headquarters and IPIECA Headquarters, London, UK.

No. of participants: 45 over the four days

No. of countries: Participants from Angola, France, UK and USA

Cost: Total \$..... Sources and amounts:

IMO \$ Host \$.....

Summary:

A National workshop on the Implementation and review of the Angolan National Oil Spill Contingency Plan (ANOSCP) supported by the Global Initiative (GI) of IMO and IPIECA for the West and Central Africa (WACAF) region., together known as GI WACAF was arranged by the Angolan Ministry of Petroleum.

The workshop was aimed at achieving three major objectives:-

- 1) Review the draft Angolan National Oil Spill Contingency Plan.
- 2) Test the provisions of the plan with a table top management exercise.
- 3) Make recommendations on the implementation of the Angolan NOSCP.

The 45 delegates attending the workshop came from a variety of Government Ministries, Military, Police, port and National and International oil companies.

An significant amount of work was achieved over the 4 days of the workshop by the delegates and facilitators which included a review of the status of the Angolan NOSCP, technical presentations, a table top management exercise, review of the IMO/IPIECA implementation matrix and syndicate work.

The workshop was successful in that a comprehensive list of recommendations was produced by delegates for consideration by the Angolan Ministry of Petroleum in the implementation of the Angolan National Oil Spill Contingency Plan.

Report ref:

Co-ordinator:

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Appendices on the attached CD (to environmentally reduce the amount of printed paper)

1. Copy of the list of delegates.
2. Copy of IMO / IPIECA welcoming speech.
3. Copy of workshop timetable.
4. Copy of technical presentations.
5. Copy of table top exercise briefing paper with maps.
6. Copy of workshop recommendations presentation slides
7. Copy of other items given out on the IPIECA memory stick.
8. Copy of workshop photos

1.0 Introduction

The Global Initiative is a joint initiative of the International Maritime Organisation (IMO) and the International Petroleum Industry Environmental Conservation Association (IPIECA).

The Global Initiative is a programme through which the IMO, IPIECA and other partners work together to assist developing countries to complete and exercise their national oil spill contingency plans and to build national capacity so that levels of emergency response can be sustained nationally and offer assistance / co-operation regionally.

Launched in Africa in 1996, initial activities were mainly focused on technical missions. These missions have achieved varying levels of success, several African States have now ratified or are in the process of ratifying a number of the relevant international Conventions with countries developing and adopting national oil spill contingency plans.

1.1 The GI WACAF Project

As a follow-up to these initiatives for the West and Central Africa region, IMO and IPIECA recognised the value of having a planned regional approach financed with the support of 8 oil companies and the IMO in the targeted countries. This was evidenced by the Oil Spill Preparedness Regional Initiative (OSPRI) group in the Caspian and Black Sea region and motivated IMO and IPIECA to follow a similar approach in West and Central Africa.

Early in 2005, IMO and IPIECA expressed interest in joining forces to develop a two-year project extendable to four-years in West and Central Africa. The intention was to complement the preparedness and response activities being undertaken in the region by IMO under its Integrated Technical Co-operation Programme (ITCP) and in co-operation with the United Nations Industrial Development Organization (UNIDO) under a Global Environment Facility/United Nations Environment Programme (GEF/UNEP) funded project. Further discussions and developments led to the establishment of the Global Initiative for West and Central Africa (GI WACAF) Regional project and which was project launched in April 2006.

The GI WACAF project aims to support tangible progress toward developing a level of preparedness in the region that is commensurate with the risk of oil spills. Throughout the project, IMO, IPIECA, national governments and in-country oil companies, will work together to:

- Gain a clear commitment in each country in:
 - Developing a national structure for oil spill response and preparedness and ,
 - Ratifying and implementing Conventions including OPRC 90, CLC92 and Fund 92
- Focus efforts in each country to implement a specific action plan. This action plan will comprise a coordinated set of several missions, scoped as appropriate to the circumstances and needs for each country.
- Provide clarity on roles, responsibilities and resources for preparedness and response available in the region.
- Review and evaluate the impact of technical activities and assess the tangible oil spill response improvements in each country, and as appropriate, develop new steps to build on this toward a sustainable level of preparedness.

1.2 Workshop objectives

The Ministry of Petroleum of Angola and the Oil Industry operators in the country have joined forces to develop the draft of a National Oil Spill Contingency Plan. Works were done between 1997 and 2001 and benefited from assistance of the IMO and IPIECA along the process.

Following a workshop held in Luanda in November 2000, the draft of the National Oil Spill contingency Plan of Angola was agreed upon by all parties. The document was then finalized at the Ministry of Petroleum level.

Assistance of the IMO was further provided to Angola in assisting in the drafting of a Project Implementation Plan, after consultation with the various ministries involved in Angola and the oil industry operators. This document provided a framework for a plan of action with the objective of implementing the draft National Oil Spill Contingency Plan for Angola. This document has been taken into account by the Ministry of Petroleum and could provide the basis for a national plan of action.

The objectives of the workshop were to:

1. Review the draft Angolan National Oil Spill Contingency Plan by all stakeholders at government and industry levels
2. Test the provisions of the NOSCP through a table top exercise involving all major stakeholders and identifying needs for improvement.
3. Make recommendations on the implementation of the Angolan National Oil Spill Contingency Plan

1.3 Workshop overview

Unfortunately the draft plan could not be circulated to delegates as it was with the Minister for discussion at the Cabinet for its approval.

However a presentation was made by the Ministry of Petroleum on its progress together with a presentation on an Implementation matrix as put forward by the IMO and IPIECA for the implementation of the Angolan NOSCP.

Following various technical presentation a table top management exercise was undertaken by the delegates split into 3 groups to simulate different responsibilities and concerns likely to be found in a real incident.

The presentations and exercise were most useful and well received by the delegates as they were then able to follow through in the lessons learned from both in the preparation of a set of workshop recommendations.

Whilst the expectations of the workshop were thought not to be achievable without a draft copy of the Angolan NOSCP to refer to, as things turned out due to the calibre and commitment of the delegates and the IMO / IPIECA facilitators, the workshop was a complete success with the objectives generally met and importantly a series of recommendations produced that will assist the Ministry of Petroleum in its implementation of the Angolan NOSCP.

1.4 Workshop report

This report covers the workshop and the results achieved, together with copies of the various presentations, details of the exercise and the delegates recommendations for assisting in the implementation of the Angolan NOSCP on an accompanying CD.

At the end of the workshop all delegates received a memory stick with further information, all the presentations and list of delegates. This was most beneficial and should be standardised.

2.0 Workshop proceedings

2.1 Organisers, Dates and Location

The workshop was organised by the Environmental Protection Department of the Angolan Ministry of Petroleum supported by SONANGOL oil company. The workshop was held the 29th October to 1st November 2007 at the Towers Building in Luanda, Angola.

2.2 IMO / IPIECA Facilitation Team

The IMO and IPIECA as part of the Global Initiative sent a team of three facilitators :-

| | |
|-------------------------------------|--|
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2.3 Workshop Delegates

The 45 delegates from Angola, France, UK and USA were from various Ministries, the Military, Police and Port, together with personnel from Sonangol Oil company and various other oil companies both multinational and independent.

A list of attendees is shown in the appendices.

2.4 Workshop Summary

The Director of Human Resources of the Ministry of Petroleum, on behalf of the Honourable Minister of Petroleum, opened the workshop; this was accompanied by a welcoming speech on behalf of the IMO and IPIECA given by Mr Simon Rickaby, the IMO's International Consultant for this workshop. A copy of his speech is attached in the appendices.

The first day (29th October) was taken up with registration, and workshop opening ceremony, followed by an introduction on the GI Initiative for WACAF countries and a showing of the IPIECA video "Working together" this was followed by presentations from the facilitators on:-

Sources and causes of oil spills – IPIECA

The possible effects of oil on the environment and socio-economic activities – IPIECA

Media consequences – IMO

These were rounded off with a recap on the work done to date in preparing the Angolan NOSCP and its status prior to its final approval by the Cabinet.

The next three days of the workshop were spent:-

Day 2 Started with a presentation by the Ministry of Petroleum on its plan for the implementation of the Angolan NOSCP this was followed by presentations for the rest of the day given by the facilitators and oil industry experts on:-

International Conventions - IPIECA

Behaviour and fate of oil spilt at sea - IMO

Oil spill response strategies – Oil industry expert

The use of dispersants – IMO

Containment and recovery of oil at sea – IMO

Shoreline clean up – IPIECA

Waste management and disposal – Oil industry expert

Day 3 Started with a briefing on the tabletop exercise. Then exercise “IMO Angola” was undertaken during the morning and through lunch with three syndicates working separately and then combining together. The exercise concluded with a debriefing session from each team. The day ended with a presentation from IPIECA of the matrix used by the IMO and IPIECA in the implementation of National Oil Spill Contingency Plans.

Day 4 The syndicates reformed to develop their thoughts on an action plan for the implementation of the Angolan National Oil Spill Contingency Plan. The syndicates then reconvened and from their presentations of their deliberations a set of workshop recommendations was produced.

A copy of the timetable is attached in the appendices.

A summing up of the workshop was made in the plenary at the end of the last day with the workshop deemed a success by the delegates, thanks were made to the Ministry of Petroleum for arranging the workshop and to its Environmental Protection Department for organising the workshop and to SONANGOL for its support of the event.

The workshop was closed by the Representative of the Environmental Protection Department of the Ministry of Petroleum on behalf of the Honourable Minister of Petroleum.

A copy of the presentations (on the attached CD) together with other workshop items such as list of delegates was given to each delegate on a memory stick donated by IPIECA on behalf of the Global Initiative WACAF, this is an excellent idea and should be continued in future.

In the interests of environmental preservation, the presentations and other items given out at the workshop have not been printed out on paper and attached to this report but are included electronically on the CD attached to this report.

2.5 Management table top exercise “IMO Angola”

The delegates were split into three:- Power Station, Municipal Authority and Harbour Authority.

The objectives of the exercise were to identify the oil spill, review and agree the appropriate response strategies, consider the resources each group had separately and how effective the response could be by merging into one organisation. This required a management command structure, prioritised strategy and how to deal with the media to be prepared. The groups did very well, considering some delegates had limited knowledge of oil spill response. The lessons learnt were reviewed in plenary. Details of the exercise and maps are attached in the appendices.

3.0 Workshop recommendations

Following the exercise and the lessons learnt being discussed in plenary, a presentation was given by IPIECA on the matrix used by the IMO and IPIECA in the implementation of a National Oil Spill Contingency Plan (NOSCP).

In the last day delegates went back to their syndicates with the task to review, using what they had learnt during the workshop from the technical presentations, management exercise and matrix presentation, and consider an action plan for the implementation of the Angolan NOSCP.

The wide number of organisations represented together with the commitment of the delegates, irrespective of their experience of oil spill response led to a very constructive and frank discussion with everybody involved, from this a set of recommendations were prepared, then reviewed in plenary and then agreed by all as being the workshops recommendations to assist in the implementation of the Angolan NOSCP.

The workshop recommendations are:-

3.1 In General:-

The workshop recognizes the risk of oil spill in Angola due to increasing traffic of oil tankers to and from the oil production facilities and of shipping activities in general and recommends that the draft National Oil Spill Contingency Plan presented by MinPet during the workshop is approved as soon as possible

The workshop recommends that measures to implement the NOSCP of Angola are taken as soon as possible in order to render the plan operational to ensure prompt and efficient response to oil spill incidents that might affect the Angolan marine environment and shoreline

The workshop has examined the plan of action drawn up by the Ministry of Petroleum for the implementation of the NOSCP and is in agreement with the general outlines of this plan of action

3.2 In respect of the Plan of Action for the implementation of the NOSCP:-

The workshop has reviewed the priorities for actions to be taken as soon as the NOSCP is approved and proposed some minor adaptations.

The workshop recommends that the structures outlined in the draft NOSCP are institutionalized as soon as possible and that organizations involved in the national preparedness and response system designate the personnel involved in the system

3.3 In respect of the co-ordination for the implementation of the NOSCP:-

The workshop recommends that a coordinator is appointed and tasked with coordinating all actions necessary for the implementation of the NOSCP

The coordinator will report to the MinPet and the National Oil Spill commission

3.4 In respect of high level awareness:-

The workshop recommends that a National high level seminar is held as soon as the NOSCP is approved in order to ensure awareness at the highest political level, and to obtain commitment for the implementation of the Plan.

3.0 Workshop recommendations cont.

3.5 In respect of sustainability of the project:-

The workshop recommends that a sustainability study is done as soon as possible.

The terms of reference for the study will include:

- Assessing the running costs of the NOSCP once implemented.
- Identifying ways of ensuring the funding of these costs on a permanent basis, possibly through the establishment of a National Fund.

3.6 In respect of the development / acquisition of tools for assistance in the decision making process during oil spill incidents:-

Sensitivity Mapping

- The workshop recommends that a Sensitivity Mapping project is developed to cover the entire coastline of Angola as soon as possible
- The terms of reference developed by MinPet will serve as the basis for the project

Operational tools

- The workshop recommends that the need for acquisition of tools, such as oil spill trajectory modelling is examined.

3.7 In respect of National policy regarding the use of dispersants in Angolan waters:-

The workshop acknowledges that an interim national policy regarding the use of dispersants in Angolan waters will be in place once the NOSCP is approved.

3.8 In respect of port, local and provincial plans:-

The workshop recommends that steps are taken as soon as possible for the development of oil spill contingency plans for:

- The main ports
- The marine terminals, both on and offshore
- All the coastal provinces

3.9 In respect of capacity building:-

The workshop recommends that the expertise of personnel involved in the National oil spill preparedness and response system be developed through training activities.

This training should include

- Train the trainers activities
- National workshops
- IMO OPRC level 1, 2 and 3 training courses

3.0 Workshop recommendations cont.

3.10 In respect of a National alerting system:-

The workshop recommends that the national alerting system:

- Identifying a suitable facility for the establishment of a National Reporting Centre
- Defining the roles and responsibilities of the Centre
- Equip the centre with necessary communications units
- Define the alerting procedures
- Implement necessary training of staff

3.11 In respect of storage facilities for national oil spill response equipment:-

The workshop recommends that suitable storage facilities, to be located at strategic locations along the coastline of Angola are identified and established

3.12 In respect of Testing, exercising and updating of the Angolan NOSCP:-

The workshop

- Recognizes the need for testing oil spill contingency plans on a regular basis
- Recommends that the provisions of the NOSCP are tested as soon as possible through a national exercise after roll out to all stakeholders of the Plan.

3.13 In respect of cooperation at National level:-

The workshop

- Recognizes the oil spill preparedness and response expertise available in the oil industry operating in Angola
- Recommends that a forum is created to facilitate cooperation with the oil industry operators through the ACEPA

3.14 In respect of cooperation at Regional level:-

The workshop recommends that the Ministry of Petroleum continues the cooperation with the International Maritime Organization (IMO) and the International Petroleum Industry Environment conservation Association (IPIECA) through the GI Wacaf project.

4.0 Achievements

It was agreed that, the Workshop had been a valuable opportunity for representatives of Ministry of Petroleum, other Government Ministries and Departments together with SONANGOL and other oil companies, both local and international to gather together to review what had been achieved to date within the draft Angolan National Oil Spill Contingency Plan and also take part in a National table top exercise to test the delegates capability to respond to a National incident.

The technical training presentations and exercise experience gained by the workshop delegates can be taken forward to satisfy the objectives of the workshop and the aims of the IMO / IPIECA Global Initiative.

Importantly, a series of recommendations were achieved and agreed for forwarding to the Ministry of Petroleum for their consideration in the implementation of the Angolan NOSCP.

5.0 Conclusions

It is felt that the workshop was most successful, this was reflected in the interest and commitment shown by delegates present through out the 4 days and by the results achieve in the time available.

It is also understandable the Ministerial request not to issue the draft plan until it had been approved by the Cabinet.

Distribution of copies of the draft NOSCP to delegates prior to the workshop would have been a valuable means of ensuring delegate familiarity with the plan, however coming in “new” with little knowledge of the plan, reflects to often what happens in a real incident.

Holding a table top management exercise was very useful to those with no spill response experience but who could well be involved if one happened for real.

Holding the exercise has strengthened significantly Angola’s management preparedness and response capability for dealing with a major marine oil spill where more than one authority or organisation maybe affected or threatened.

Providing lectures to strengthen knowledge of delegates on oil spill response at a major level was found to be beneficial.

The provision of a memory stick to all delegates by IPIECA including all the presentations, list of delegates, photos and sources of further information, in the form of web sites and publications, was an excellent idea, and IPIECA are to be commended on this proactive action which was very well received by the delegates.

The Minister of Petroleum representative at the end of the workshop thanked all the delegates for the effort and considerations they had displayed during the workshop, which had made the workshop very successful and helpful to the Ministry of Petroleum..

The Ministry of Petroleum Environmental Protection Department, its staff and SONAGOL should be congratulated on the efficient arrangement of the workshop and the facilities provided which also contributed to the overall success of the workshop.

Appendices on the attached CD below

- 1 List of workshop delegates.
- 2 IMO / IPIECA welcoming speech.
- 3 Workshop timetable.
- 4 Technical presentations.
- 5 Table top exercise briefing paper and maps.
- 6 Workshop recommendations presentation slides.
- 7 Other items given out on the IPIECA memory stick.
- 8 Workshop photos