





OSCE
Oil Spills Response Workshop
PETRONAS OSR Capability In
Turkmenistan

10-11th March 2008
Turkmenbashy Hotel

MOPU

F50



Speakers Bio-data

- Name : Maharip B Juni
- Position : HSE Manager
- Company : PETRONAS Carigali (Turkmenistan) Sdn Bhd
- Transferred to Turkmenistan since May 2007.
- Previously was with PETRONAS Carigali in Sarawak, Malaysia for 18 years. The last position held was as Offshore Installation Manager for 5 years



Presentation Outline



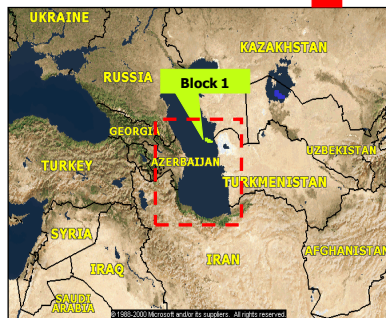
1. PCTSB Operation Block Map
2. Oil Spill Contingency Plan
3. Emergency Organization Structure
4. OSR Tiered System
5. Country Oil Spill Classification
6. OSR Contractor
7. OSR Tiered Equipment Support
8. OSR Training & Exercise



1. Turkmenistan Operation – Block Map



- Block 1 is located offshore Turkmenistan, about 80 km south-west of Turkmenbashi.
- The Block was awarded to PETRONAS Carigali (Turkmenistan) Sdn Bhd in July 1996.
- It is 100% operated by PC(T)SB with a production period of 20 years.





2. Oil Spill Contingency Plan - OSCP



A plan to mitigate oil spillage resulting from our exploration, development and operation as well as to fulfill Chapter IX (9)– Environmental Protection of the Rules and Regulations for the Development of Hydrocarbon Fields of Turkmenistan.

Designed to coordinate timely and effective response in the efforts to minimize damage resulting from releases of oil or hazardous substances, pollutants or contaminants.



Regulating Documents



- 1. The Oil Spill Prevention and National Response Plan of Turkmenistan.**
- 2. Petronas Carigali (Turkmenistan) Sdn Bhd Emergency Response Plan.**
- 3. PCSB Accident Reporting & Notification Procedures.**
- 4. Mobile Offshore Drilling Unit Emergency Response Procedures.**
- 5. Mobile Offshore Processing Unit, Emergency Response Procedures.**
- 6. Equipment and Services Contractor's Oil Spill Response Procedures.**
- 7. Floating Storage and Offloading, Shipboard Oil Pollution Emergency Response Plan.**

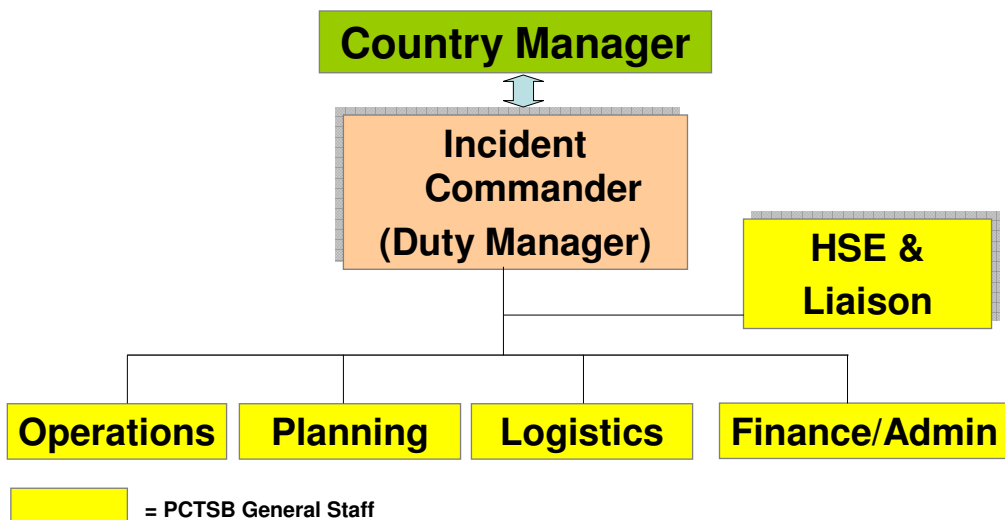
ASE Threats to the Environment TURKMENISTAN OPERATIONS

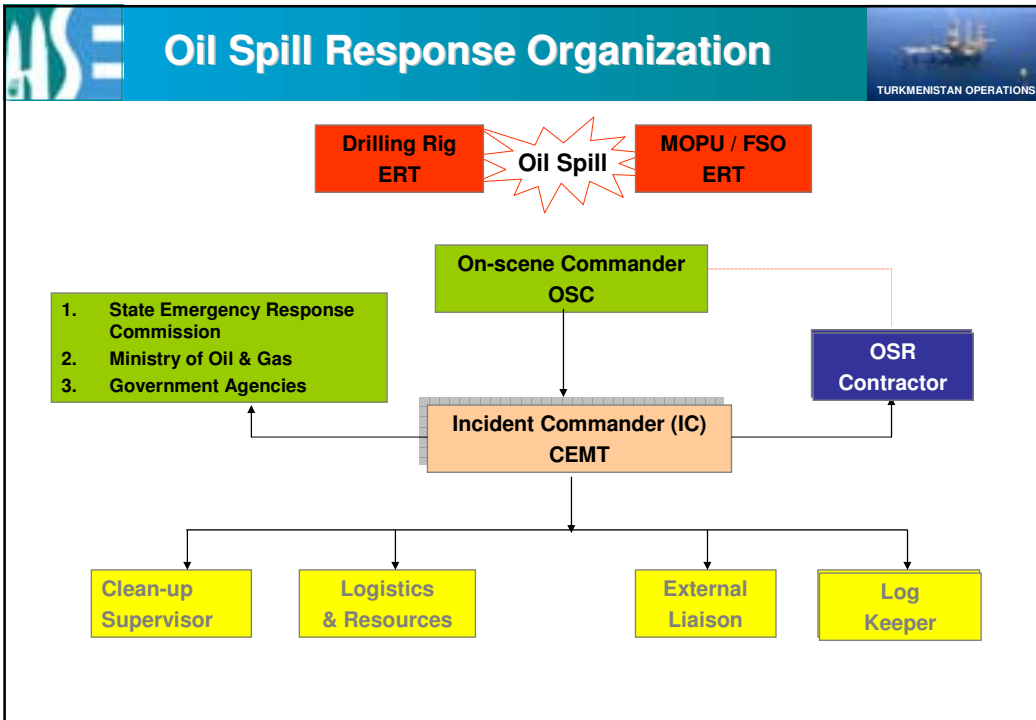
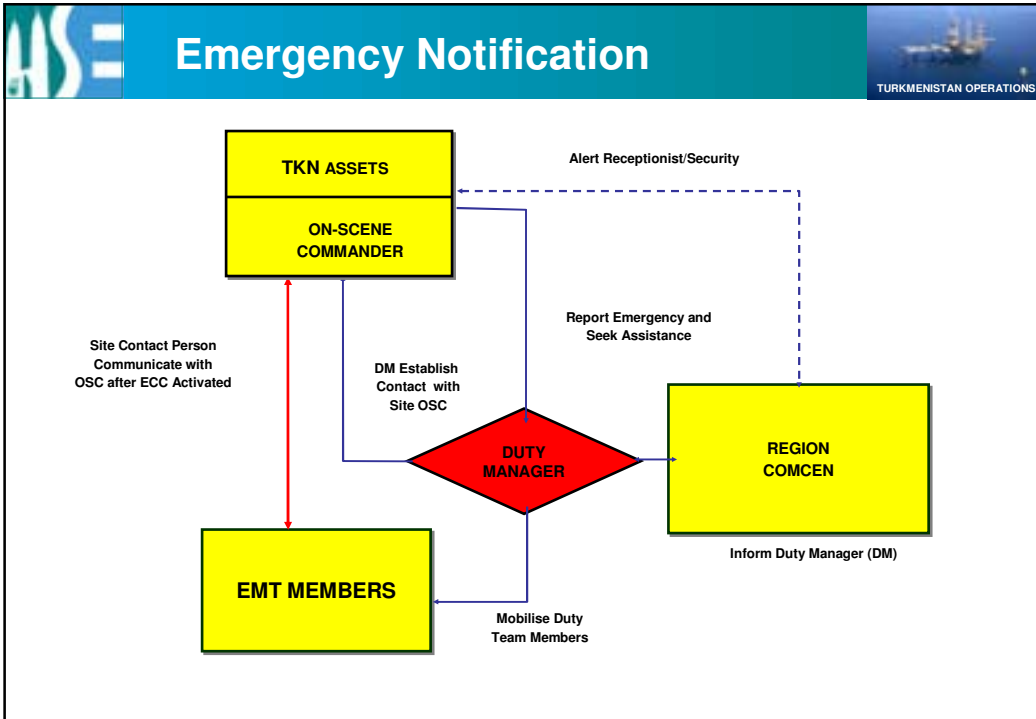
The major possible threat with potential discharge of oil are most likely from the following incidents:

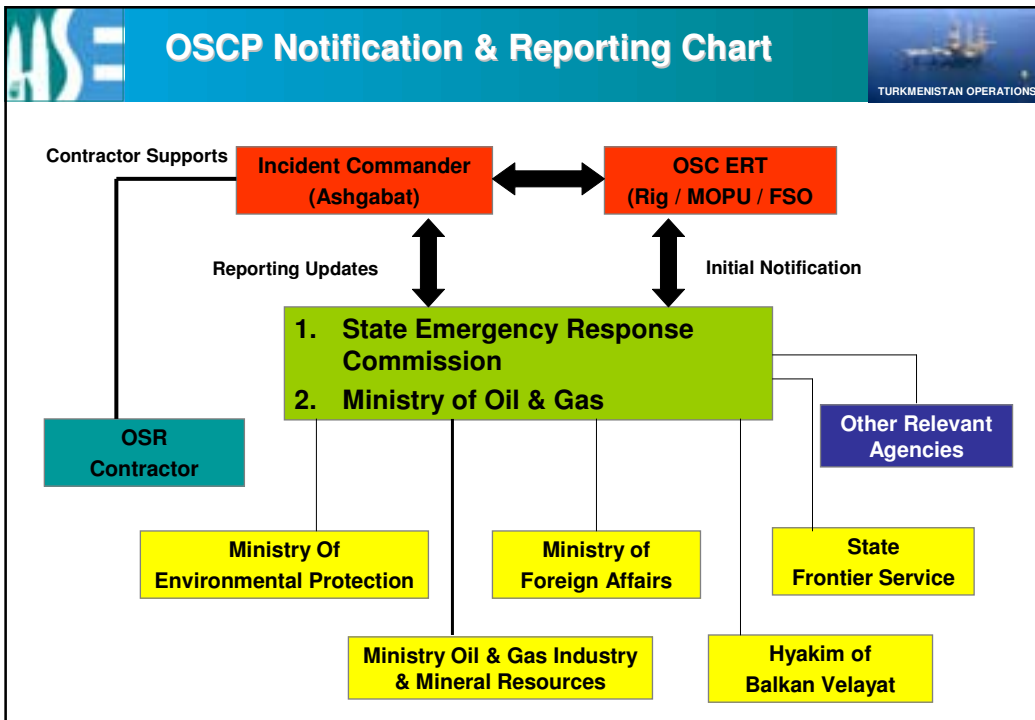
- loss of well control (blow out),
- pipeline leak
- FSO /export tanker leak
- tanker accidents
- release of bunker oil and other possible sources such as discharge of diesel oil.

ASE 3. Emergency Organization Structure TURKMENISTAN OPERATIONS

Emergency Management Team







4. OSR Tiered System

A Tiered response strategy has been adopted for mitigation and clean-up operations, in the event of a discharge.

- TIER I**

Is a minor discharge /spill of national significance that can be controlled in-house, using PC(T)SB-owned or contracted resources.

The response capability refers to the ability to implement containment and clean-up operations not occurring at sensitive areas.

However, should the discharge / spill is of more than 300 bbls or occurs at sensitive areas, the Tier II definition is applied.



OSR Tiered System



● TIER II

Is a medium discharge /spill of national significance that exceeds PC(T)SB at site Tier I capability but can be managed with the involvement of PC(T)SB Tier II capability based at Turkmenbashy Supply Base or PC(T)SB contracted resources.

The response capability refers to the ability to implement containment and clean-up operation occurring at sensitive areas or of an oil spill up to 20,000 bbls.



OSR Tiered System



● TIER III

Is a major discharge / worse case discharge that requires involvement of government agencies. The National Contingency Plan is used to coordinate the inter-agency cooperation. PC(T)SB with its existing capability shall continue to combat the spill, within the boundary of operational areas, under direct supervision by the lead government agency.

However, PC(T)SB has made a retainer based arrangement through the OSR Contractor to deal with Tier III oil spill of up to 84,000 containment and clean-up operation occurring at sensitive areas or of an oil spill up to 20,000 bbls.



5. Country Oil Spill Classification



- LEVEL 1 – Minor Oil Spill

Minor oil spill that can be eliminated without external assistance by company's personnel using equipment already in the site in the frames of spill response plans employed by the company and agreed upon in the established order.



Country Oil Spill Classification



- LEVEL 2 – Significant Oil Spill

Larger spills that cannot be eliminated using resources of the first level and requiring employment of additional resources and personnel from onshore bases of responsible side set-up beforehand and if necessary those belonging to the other companies in accordance with multilateral agreements concluded between such companies or organizations.

National plan is activated in special cases (endangering sensitive zones and communal facilities).

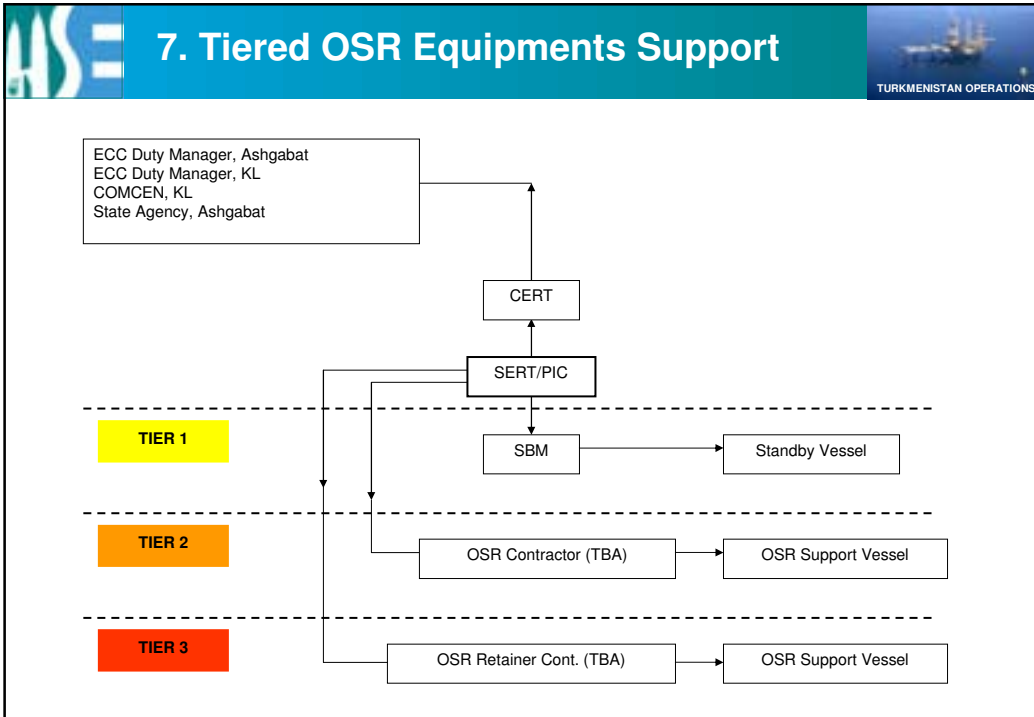
- LEVEL 3 – Catastrophic Oil Spill (National Emergency)

Large, single time or continuous spills requiring assistance of the personnel and resources of the state authorities and international specialized companies in accordance with special agreements.

Automatic activation of the National Plan.

- Kejuruteraan Asas Jaya Sdn Bhd (KAJ)
- Site Office : Turkmenbashy Supply Base
- Team of 7 persons
- On call 24 hours





- Tiered OSR Equipments Support**
- Tier I Oil Spill Response Equipment placed on standby onboard PC(T)SB chartered vessel stationed nearby MOPU / FSO location.
 - Tier II Oil Spill Response Equipment and personnel located at Turmenbashy Supply Base will be mobilized if the need arises.
 - Tier III Oil Spill Response Equipment provided by a retainer based service provider will be mobilized through the OSR Contractor if the need arises.

ASE Tier I & II OSR Equipments 

No	Equipment	Quantity
1	Containerized Boom 1800 HD	5 sets
2	MY Boom 800	5 sets
3	MY Weir Skimmer	5 sets
4	Shipboard Dispersant Sprayer	1 unit
5	Collapsible Tank	10 units
6	RO-Tank 25,15,10	4 units
7	Power Pack 51kW	5 units
8	Spate Pump 75C	5 sets
9	Honda Water Pump	3 sets
10	Echo Blower	3 sets
11	Anchor	8 sets
12	Corexite 9500 / 9527	24 drums

ASE Oil Spill Dispersant 

Exxon Corexite 9500 / 9527

This dispersant is approved by Russian Gost Standard under Registration Certificate No. 12966446.24.03427.

Note : Dispersant should never be used to disperse an oil spill without careful consideration and consultation, except if there is an imminent threat to life or danger to an environmentally sensitive area



8. Oil Spill Response Training



- **Operators Training Course** - Orientation on the concepts, procedures and equipment familiarization (Level 1).
- **Supervisors Training Course** - Orientation and familiarization of those assigned as supervisors and team leaders (Level 2).
- **Senior Managers Training Course** - Orientation and familiarization to decision makers (Level 3).
- **Refresher Training Course** - Normally conducted for operators.



Oil Spill Response Exercise



Oil spill response exercises allow emergency response personnel to be familiar with the procedures, facilities and systems used during an actual emergency.





OSR Training & Exercise (3)



Spasibo Bal'shoy!

Q & A

