Offshore Energy Emergency Response

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Rookie sailor rescued 75 miles from where he thought he was

Coastguard hits out at fool-hardy trip with poor equipment

In the end it took four lifeboats, eight coastguard teams and one very expensive search and rescue helicopter – and not a little luck –
Safer Lives, Safer Ships, Cleaner Seas
National Coastguard Network
Steady State Dec 2015

National network with built in resilience & following Functions -

Search and Rescue
Pollution Response
Vessel Traffic Management
Maritime Safety Information
Accident and Disaster Response
Maritime Security
Contact HM Coastguard

Alert the Coastguard direct by telephone or radio call to the Coastguard Operations Centre (CGOC) to remove delays which occur through notification via operator or contractor shore bases, particularly outside normal working hours.
Piper Alpha – July 1988
167 fatalities
EPOL – Emergency Preparedness Offshore Liaison - formed in 1995

EPOL Media Protocol created to provide guidance on agreed procedures between Police, HM Coastguard and industry during major offshore incidents.

PFEER Regulations 1995.

Major Emergency Management Training.

Offshore SAR Management Courses run by HM Coastguard with Police Scotland support.

Inter agency cooperation between emergency services and the offshore oil and gas industry much improved

There was no strategic overview particularly in the at sea emergency response.
Integrated Offshore Emergency Response (ICER)

Creator: Offshore Energy Liaison Officer, Maritime Coastguard, MCA
Document Identity: ICER v. 3.0
Release Date: 5 June 2010
Emergency Arrangements

OIM

HMCG

Info gathering
Phase
Incident #
Call-back

ERT

Site contact
HR
Logistics
Safety
Media
Environment
Technical

MICO

Police

PLO

Crisis
Management

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IOER – Onshore & Offshore Response

- MCA area & national support, SOSREP, Counter Pollution and Salvage Officer, Media Response
- Aberdeen ATSU
- UK ARCC
- SAR helicopters – Coastguard, Industry SAR, Norwegian national & offshore based
- Civilian transport helicopters – Babcock, Bristow, CHC
- Surface vessels – ERRV, AHTS, PSV, Dive Support, Vessels of opportunity
- Strategic Coordinating Group - SCG
- Police support, PLO, FOCC, SIM, SIO, Casualty Bureau, FLO, Media Response
- Police Scotland
- Company technical support, HR, Logistics, Finance, Media Response
- Company Emergency Response Centre
- CGOC SMC Maritime Incident Communications Officers (MICOs)
- OIM – OSC Installation in difficulty
- Nearby installations - Receptor, Refuelling, Medical facilities & communications
- National Health Service – Ambulances, hospitals
- Regulators & Investigators – HSE, MAIB, AAIB, OPRED
- Local, regional, national & international government bodies as appropriate
- Example – Central North Sea – Platform Emergency Evacuation

Maritime & Coastguard Agency

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Challenges to SAR

- Wind turbine size
- Geographic size of wind farms
- Adjacent development
- Distance offshore
- Layout design
Layout Design

- Aligned in straight lines
- 2 x lines of orientation
- Assessed case-by-case

Open to discussion

Nav & SAR friendly

Serious concerns

Figures provided courtesy of Anatec Ltd
Evacuation
Onshore Wind

- Very similar issues
- Non-uniform layouts
- Varying heights
- Remote areas
- Communications issues
- Emergency Response Plans
- More than one Emergency Service
SAR Helicopter Exercises

2016 Humber Gateway
2017 Gwynt y Môr
2018 Walney Extension and Burbo Bank
One Word...

- Systematic
- Evolving
- Theoretical
- Sufficient
- Satisfactory
- Standardised
- Efficient
- Vital
- Methodical
- Dependent

Infancy
Evolving
Documented
Detailed
Theoretical
Prepared
Structured
Standardised
Developed

Safer Lives, Safer Ships, Cleaner Seas
Political Declaration on energy cooperation between the North Seas Countries
Mumbai High

Safer Lives, Safer Ships, Cleaner Seas
In summary
Thank you!

Any Questions?

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