

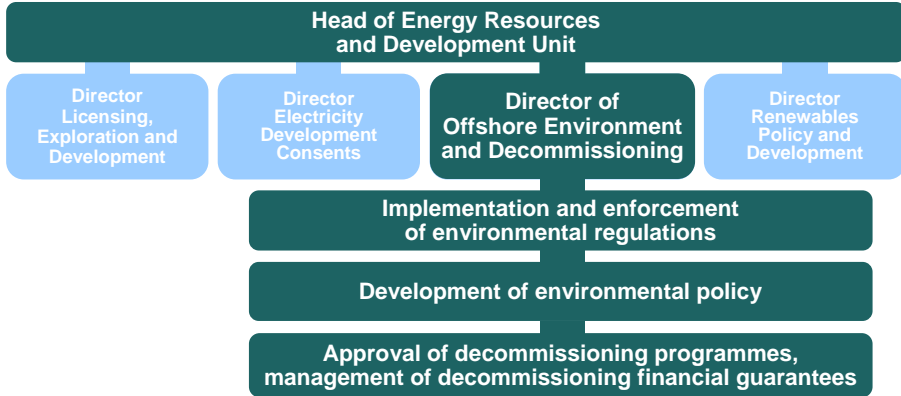


UK Offshore Oil and Gas Environmental Incident Review

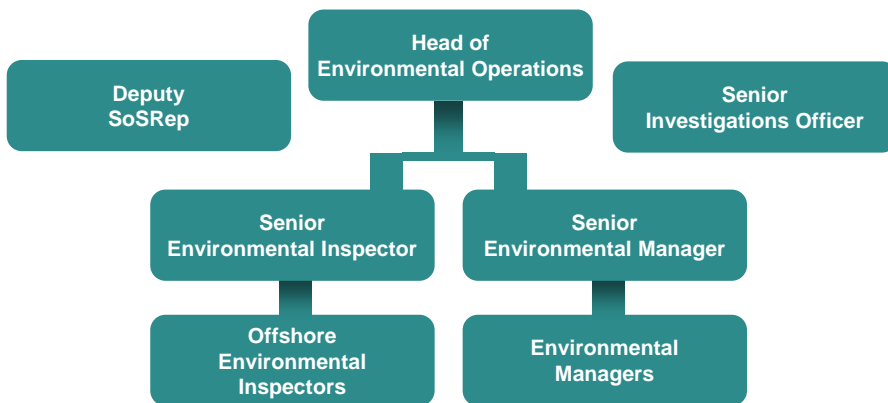
Legislation

- **Petroleum Act 1998**
 - Licensing
- **Offshore Petroleum Activities (Oil Pollution Prevention and Control) Regulations 2005**
 - Regulation of oil to sea
- **Offshore Chemical Regulations 2002**
 - Use and discharge of chemicals
- **Merchant Shipping (Oil Pollution Preparedness, Response and Co-operation Convention) Regulations 1998**
- **Offshore Installation (Emergency Pollution and Control) Regulations 2002**
 - Oil Spill Response, Preparedness and Management

Energy Resources and Development Unit (ERDU)



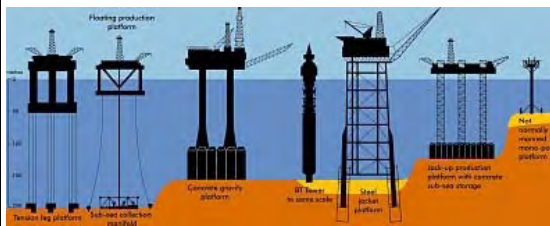
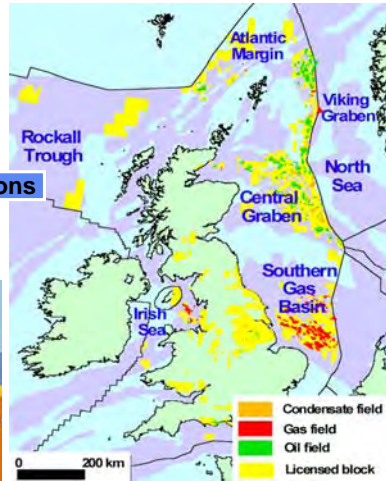
Environmental Operations Unit



United Kingdom Continental Shelf (UKCS)

470 INSTALLATIONS

- 10% floating
 - 30% subsea
 - 50% small steel
 - 10% large steel or concrete potential derogations
- >10,000km pipelines



Mike Reid Senior Investigations Officer
Craig Bunyan Environmental Inspector

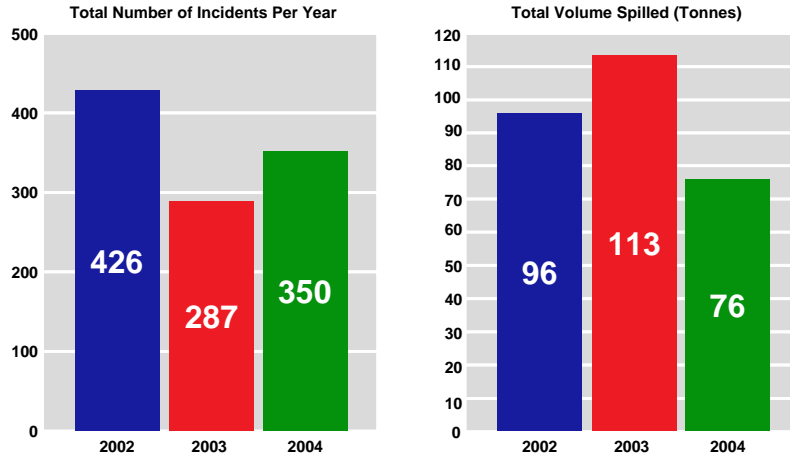
Incident Reporting Systems

- PON1
- Aerial Surveillance




Mike Reid Senior Investigations Officer
Craig Bunyan Environmental Inspector

UKCS Oil Spill Statistics 2002 - 2004

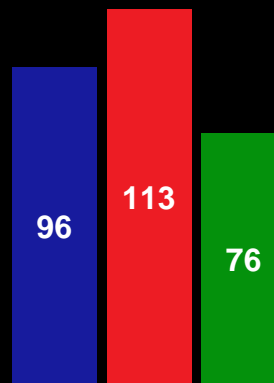


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Craig Bunyan Environmental Inspector

The total tonnage of oil produced from UKCS between 2002&2004

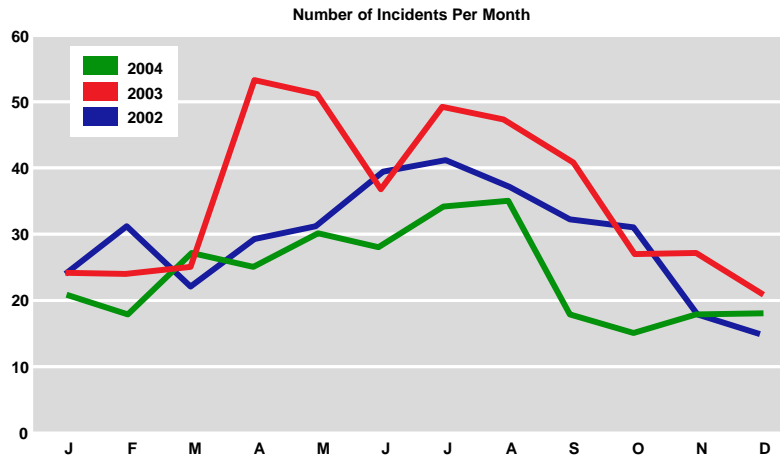
289,000,000

0.000098% spilled.

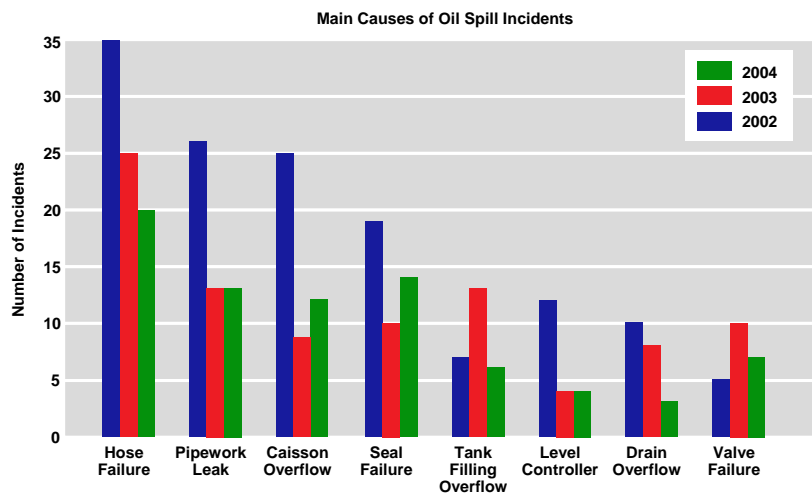


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UKCS Statistics 2002 - 2004



UKCS Statistics 2002 - 2004



Investigation Policy

- Size, scale and nature of the spill
- Environmental impact and potential impact
- Location of incident, eg special area of conservation or other environmentally sensitive area
- Permit holders/operators past performance
- Previous enforcement record of the installation
- Seriousness of any potential breach of law
- Notification that may give rise to public concern or media interest



Common Factors From Incident Investigation

- Routine operations
- Procedures 'not followed' or 'not in place'
- Competency / training / environmental risk awareness
- Equipment failure
- Lack of communication
- Operator Error



Post Incident Implications

- **Potential environmental impact**
- **Stakeholder reputation**
- **Staff morale**
- **Possible disruption to production / drilling downtime**
- **Company / Regulatory Investigation**
- **Cleanup costs**
- **Hire / manufacture of replacement equipment**
- **Court appearance / publicity**



Learning Outcomes

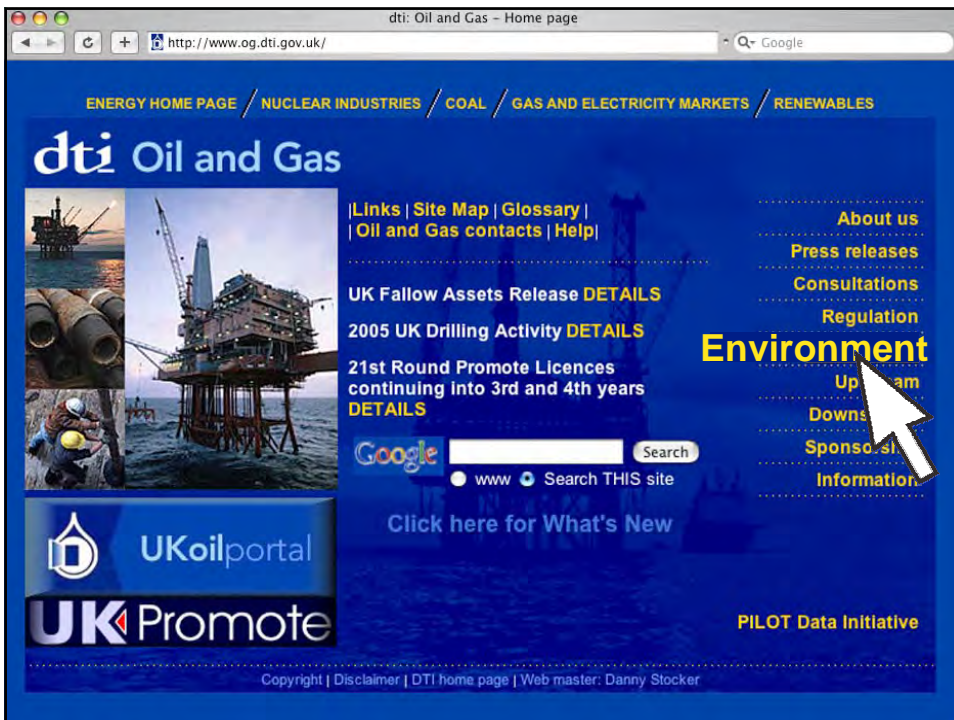
- **Although routine task – reinforce Risk Assessment procedures**
- **Consult relevant procedures**
- **When necessary – review and reissue relevant procedures**
- **Review competency and training**
- **Ensure roles and responsibilities are understood**
- **Communication is key to success**
- **Maintain ownership of task**
- **Lateral learning between companies**



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Craig Bunyan Environmental Inspector

interspill LONDON 2006



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Offshore Environment and Decommissioning

UK Offshore Oil and Gas Environmental Incident Review

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March 2006

