

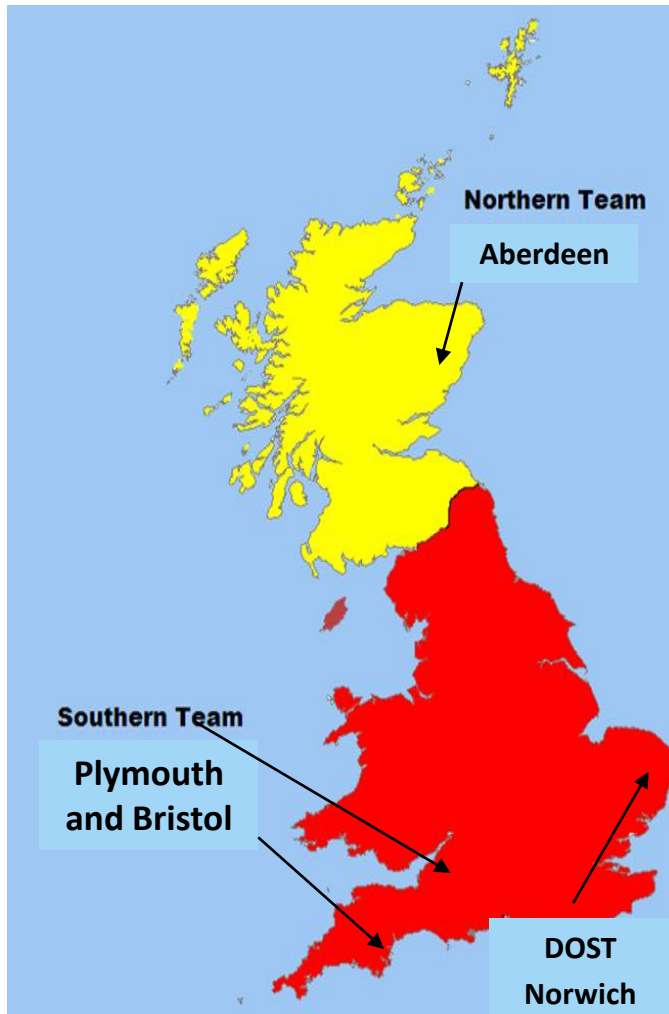
HSE update

Judith Tetlow

Chief Inspector of Diving

- Who we are
- What we do
- Overview of incidents and enforcement
- Renewables industry
- Ongoing issues and challenges

Diving group structure



- **Northern team:** 1 x Principal Inspector, 5 inspectors (plus 1 on secondment to D&D)
- **Southern team:** 1 x Principal Inspector, 4 x inspectors
- **Diving Operations Strategy Team (DOST):** 1 x Chief Inspector, 2 x inspectors
- **Visiting officers:** 1 x Aberdeen, 1 x Leeds
- **Support staff:** Aberdeen and Norwich

Relevant legislation

- Health and Safety at Work etc Act 1974 (HSW)
- Offshore Installations (Offshore Safety Directive) (Safety Case etc) Regulations 2015 (SCR)
- Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013 (RIDDOR)
- Diving at Work Regulations 1997 (DWR)

DWR - Approved Codes of Practice



- Offshore
- Inland/Inshore (includes Police)
- Recreational
- Media
- Scientific and Archaeological

Other:

- MOD

Guidance:

- Diving for shellfish

Diving at Work Regulations 1997

Regulation 4



Regulation 4 Duty to ensure compliance with these Regulations

Regulation 4

Every person who to any extent is responsible for, has control over or is engaged in a diving project or whose acts or omissions could adversely affect the health and safety of persons engaged in such a project, shall take such measures as it is reasonable for a person in his position to take to ensure that these Regulations are complied with.

ACOP 4

- 24 The actions and activities of other people can affect the safety of the dive team even though they are not members of the team, and therefore they may have responsibilities for ensuring that the Regulations are complied with for those matters under their control. These people include:
- (a) the client who has placed a contract with a diving contractor to deliver a diving project. The client may be the owner of a site where diving work is going to take place, or the owner's agent, or a contractor acting on behalf of the owner or agent. If the owner or agent appoints an on-site representative, they should be satisfied that that person is competent for the task;

Activities

- Inspection: people, equipment, paperwork
- Investigation: incidents and complaints
- Advice and guidance
- Enforcement:
 - Verbal
 - Letter
 - Notices: Prohibition/Improvement
 - Prosecution
- Support to other agencies

Incidents, 2018/2019

5 fatalities:

3 Recreational

- 09th June 2018, rebreather course.
- 24th July 2018, PADI dry suit course.
- 25th September 2018, rebreather course.

1 Shellfish

- 24th July 2018, self-employed scallop diver.

1 MOD

- 14th November 2018

Examples of Dangerous Occurrences, 2018/2019



Offshore:

- Lift carried outboard of the platform, above a DSV with 2 divers in the water.
- Restriction in gas supply to hat

Inland/inshore

- FFM interstage hose detached, loss of breathing air.
- Empty mort basket lowered onto diver, diver's pillar valve caught on mesh. Diver removed cylinder and cut themselves free.

Examples of complaints, 2018/2019



Inland/Inshore

- Breath hold surveys being conducted below surface water level on a jetty.
- Inadequate team size and equipment

Offshore

- Complaint regarding decompression tables
- Post-sat medical – no neurological examination

All Diving Industry Sectors

Year	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19
Fatal	2	4	3	0	3	1	1	3	5
Major	1	1	5	0	1	1	0	3	0
O/3 Day	2	11	-	-	-	-	-	-	-
O/7 Day			4	5	6	5	5	6	6
Ill Health	14	14	12	7*	-	-	-	-	-
D.O.	36	38	38	24	27	10	11	12	15
Complaint	26	34	23	32	23	15	8	13	17

* Diving related Ill Health no longer reportable from 1st October 2013

Prohibition Notices 2018/19



1 Prohibition Notice:

Inland/inshore

- Standby diver not at immediate readiness.

14 Improvement Notices 2018/19

8 x Inland/inshore

- 2 x lack of maintenance of equipment.
- Emergency dive basket not connected
- Insufficient first aid qualified team members.
- Failed to report a dangerous occurrence.
- Dive project not planned, managed and conducted to protect the health and safety of persons taking part.
- Client did not have a control system in place to cover diving activities.
- Multiple supervisor requirement failings.

14 Improvement Notices 2018/19, Cont'd



2 x Recreational

- No medical
- Lack of cylinder testing

4 x MOD (Crown IN)

- Training - breathing gas calculations.
- Risk assessment - running out of gas whilst using SCUBA.
- Risk assessment x 2 additional areas

Prosecutions, 2018-2019

Inland/Inshore

- Injury to diver during lifting ops
- Guilty plea
- Fine of £12000

Shellfish diving

- Missing scallop diver (Scotland)
- Guilty plea
- 200 hours community service

Renewable Energy – Diving phases



Development

- UXO investigation

Construction

- Foundation Installation
- Subsea Cable Installation
- Scour Protection

Operation and Maintenance

- Structural Inspections
- Anode Replacements
- Subsea Cable inspections
- NDT

Decommissioning

- To follow at a later date.....or perhaps sooner



Information to be provided by the Client



- Provide relevant information to the diving contractor
 - results of any risk assessments
 - details of any underwater or above-water hazards
- Consider use of PTW and lockable isolation systems where machinery can be started remotely or automatically
- Inform supervisor of any changes that occur during the course of the project.

Client Representative



- Ensure that the competence of the representative has been assessed
- Ensure that the representative has an appropriate knowledge of diving
- The representative should have a clear understanding of roles and responsibilities during diving operations
- Has an awareness of emergency procedures
- Understands the company procedures

Key points

- Dive project planning and risk assessment
- Competency, qualifications, medicals
- Emergency procedures – including evacuation of personnel
- Major accident scenarios
- Realistic diver recovery drills
- Application of correct ACOP

Current work/challenges for the diving group



- Level of reactive work
- Access to dive sites – awareness of projects
- Access to DSVs – moveable mobilisation dates and duration of inspections
- Shellfish diving –spread of electrofishing
- Updating of guidance and information sheets

HSE Diving Website



The screenshot shows a web browser window displaying the HSE Diving website. The browser's address bar shows the URL <http://www.hse.gov.uk/diving/index.htm>. The page features a navigation menu on the left with categories like 'Diving', 'Regulations', 'Training and qualifications', and 'Resources'. The main content area is titled 'Diving' and includes sections for 'Health and safety made simple', 'Regulations', 'FAQs', 'Resources', 'Training and qualifications', 'Approved Medical Examiners of Divers', and 'Free email updates'. A 'BETA' banner at the top indicates that the site is in a testing phase and that user feedback is valued.

BETA This is a new way of showing guidance - [your feedback](#) will help us improve it.

Diving

HSE and diving
FAQs
Career in diving
Regulations →
Training and qualifications →
Medical requirements for diving at work →
First aid
Resources →
Contact us

Related content

- [Offshore oil and gas](#)
- [Pressure systems](#)
- [Safety bulletin](#)

Diving

Diving at work covers a wide range of activities from deep saturation diving in support of the offshore oil and gas industry to recreational instruction by a professional instructor.

- ▶ [HSE and diving](#)
- ▶ [Career in diving](#)
- ▶ [Medical Requirements](#)

Regulations

- ▶ [Diving at Work Regulations 1997](#)
- ▶ [Approved Codes of Practice - revised December 2014](#)
- ▶ [Diving Operations Record](#)
- ▶ [Contractor Form](#)

▶ [Approved qualifications](#)

FAQs

Find advice on common diving topics.

- ▶ [Regulations](#)
- ▶ [Medical](#)
- ▶ [Qualifications](#)
- ▶ [Equipment](#)

▶ [FAQs](#)

Resources

- ▶ [CO2 Video - A rebreather diver suffers from Carbon Dioxide poisoning.](#)
- ▶ [Are you involved with a diving project at work?](#)
- ▶ [Diving information sheets](#)

▶ [More resources](#)

Training and qualifications

- ▶ [List of approved qualifications](#)
- ▶ [Diver competence assessment organisations](#)
- ▶ [Invalidated certificates](#)

▶ [Training and qualifications](#)

Approved Medical Examiners of Divers

Information for the Approved Medical Examiners of Divers (AMEDS) has recently been revised.

▶ [AMEDS](#)

Free email updates

Sign-up below to receive news and updates on Diving.

E-mail address:

15:43 08/11/2019

<http://www.hse.gov.uk/diving/>

Questions?

