

ACOPS

ADVISORY COMMITTEE ON PROTECTION OF THE SEA

**ANNUAL SURVEY OF REPORTED DISCHARGES
ATTRIBUTED TO VESSELS AND OFFSHORE OIL & GAS
INSTALLATIONS OPERATING IN THE UNITED KINGDOM
POLLUTION CONTROL ZONE
2008**

Dr Trevor Dixon

A survey conducted on behalf of the Maritime and Coastguard Agency

Cambridge, March 2009

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**Advisory Committee on Protection of the Sea,
14 Trumpington Street,
Cambridge CB2 1QA**

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SUMMARY

The Maritime and Coastguard Agency (MCA) exercises Central Government's statutory responsibilities for taking action when oil or hazardous and noxious substances emanating from any at-sea activity threatens the United Kingdom or its surrounding waters. As part of its commitment to provide cleaner seas around the United Kingdom, the MCA publishes, via ACOPS, an annual survey of reported discharges attributed to vessels and offshore oil and gas installations operating in the United Kingdom Pollution Control Zone (UKPCZ). The annual survey results complement historical data and records and enable MCA's Counter Pollution and Response (CPR) Team to monitor trends in the number of incidents, the amount of oil and chemicals spilt, the geographical distribution of spills, the sources of pollution and the nature of the pollution.

Following analysis of 1,530 incident reports and supporting information, 605 separate accidental discharges from vessels and offshore oil and gas installations were identified in the survey area during 2008. A significant overall reduction of 8% was evident in the total number of incidents reported from all sources over the previous year's total.

A reduction of 11% in the total number of vessel-sourced accidental discharges reported during 2008, down from 192 during 2007 to 170 during 2008, was consistent with the underlying downward trend observed in the statistics since 2000. Survey respondents indicated that the improvements were due mainly to fewer discharges from vessels operating in ports and harbours and fewer discharges caused by vessel-casualties during 2008.

During 2008 there was a 6.5% reduction in the total number of offshore oil & gas sourced accidental discharges reported thereby reversing the underlying upward trend in the annual totals recorded over the previous 4 years.

Further analysis of these statistics showed that the reported total of 272 accidental oil discharges from offshore oil and gas installations during 2008 was 8 fewer than the mean annual total of 280 oil discharges reported between 2000 and 2007. The total of 163 accidental discharges of substances other than mineral oils reported by offshore installations during 2008, primarily those involving chemical substances, was 21 less than the total recorded during the previous year.

The accidental discharges from all sources reported during 2008 comprised 71.7% mineral oils, 28.1% chemicals (including oil-based mud) and 0.2% other substances (including vegetable and animal oils). Crude oils accounted for 22% of all identified types of mineral oil discharges and this figure was 5% higher than the previous year's. Bunker, diesel, fuel and gas oils were accidentally discharged in varying quantities from vessels or offshore oil and gas installations on 175 occasions, 21 fewer than the previous year's total, in all survey enumeration areas.

Approximately 82% of all reported accidental discharges were in the open sea, 15% were in ports and harbours and 3% were across the remaining marine environmental zones.

Three beach pollution incidents were attributed to vessels and another to an offshore oil and gas installation. Respondents submitted details of 92 incidents involving accidental discharges from vessels operating in ports and harbours during 2008 which was 23 fewer compared with the mean annual total of 115 discharges between 2000 and 2007.

Estimated volumes of accidental discharges were recorded in 539 incident reports, or 89% of the total. The modal class for oil discharges was again less than 455 litres but larger spill volumes of between 456 litres and 118 tonnes were recorded in 5 of the 11 survey enumeration areas.

The largest reported discharge of oil from all sources was 118 tonnes of fuel oil which was an accrued total over the year from the wreck of the Greek-flagged general cargoship *Ice Prince* (6,467 gt, built 1990) which sank during a storm in the English Channel on 15 January. Surveillance flights identified a number of surface oil slicks and sheens in the vicinity of the wreck position during January, February, November and December. All were broken up and dispersed by wave action with no confirmed reports of any oil arriving ashore. A subsequent salvage operation removed an estimated 307 tonnes of bunkers from the ships tanks.

The largest reported chemical incident of 120,259 kg of methanol was an ongoing release from a subsea umbilical tied back to the *Johnston* installation from 21 June 2008 to 31 December 2008. The release was identified in November 2008 after an injection pump failed allowing the release to be identified. Pump pressures were monitored to ensure no deterioration of the leak and in January 2009 a diver intervention programme identified the failure and repairs were effected to a loose subsea hose coupling.

A further 50 accidental discharges of oil or chemicals of 2 tonnes or more from vessels and offshore installations were reported during 2008 and many of these occurred over weeks or months. At least 26 confirmed discharges were attributed to vessel-casualties including 17 fishing vessels, 3 pleasure craft and workboats, 3 general cargo vessels, a dredger, a creel boat and a lifeboat. Seventeen vessel-casualty discharges, mostly involving fishing vessels, occurred in the western Scotland and eastern Scotland survey enumeration areas.

Reporting organisations submitted details of 3 successful prosecutions brought by the competent authorities. Following a 7-tonne diesel spillage from the MFV *Wiron One* in Cattewater Harbour a Plymouth Magistrates' Court imposed a fine of £20,000 on the owners of the vessel and ordered them to pay £3,000 costs. In addition, the vessel's engineer was fined £1,500 and ordered to pay £700 costs after admitting his 'sole responsibility' for causing the spillage after falling asleep during a fuel transfer operation.

Observations from air surveillance patrols and a satellite surveillance programme were again employed by the MCA and DECC to help identify discharges at sea.

SECTION 1: INTRODUCTION AND SURVEY DESIGN

1.1 INTRODUCTION

1.1.1 Since 1965 the Advisory Committee on Protection of the Sea (ACOPS) has compiled statistics and other information on different types of marine pollution in the waters around the British Isles. The competent authorities and other stakeholder groups have used this information for a wide range of purposes including policy and planning decisions, evaluations of particular programmes, assessments of regulatory compliance levels, development of risk assessment models and to support educational campaigns. Examples of organisations that have consulted the survey data include the Department for Transport, European Commission, International Maritime Organisation, Local Authority Associations, Scottish Government and the Welsh Assembly Government.

1.1.2 The Maritime and Coastguard Agency (MCA) exercises Central Government's statutory responsibilities for taking action when oil or other hazardous and noxious substances emanating from any at-sea activity threatens the United Kingdom or its surrounding waters. As part of its commitment to provide cleaner seas around the United Kingdom, the MCA publishes, via ACOPS, an annual survey of reported discharges attributed to vessels and offshore oil and gas installations operating in the United Kingdom Pollution Control Zone (UKPCZ). The survey results complement historical data and records and enables MCA's Counter Pollution and Response (CPR) Team to monitor trends in the number of incidents, the amount of oil and chemicals spilt, the geographical distribution of spills, the sources of pollution and the nature of the pollution.

1.2 SURVEY DESIGN

1.2.1 In accordance with the MCA's survey specification a two-page questionnaire was designed to capture information relating to discharges of oil and other hazardous and noxious substances from vessels and offshore oil and gas installations. The survey area included the UKPCZ and adjacent areas of jurisdiction including ports, harbours, and tidal stretches of rivers and estuaries. The boundaries of the UKPCZ are shown in **Figure 2**. The survey questionnaire and accompanying guidelines are provided in **Appendix 2**.

1.2.2 The survey questionnaire was distributed to the appropriate representatives of coastal local authorities, port and harbour authorities, national environment agencies and animal welfare groups. In addition, questionnaire responses were supplemented with PON1 reports provided by the Department for Energy and Climate Change's (DECC) Offshore Environment Unit and POLREPS provided by the MCA. The resulting information was entered into a database identifying separate pollution incidents by date, location and other survey criteria.

- 1.2.3** Following analysis of data the survey results were presented in a range of different formats. In **Section 2** descriptive statistics are provided for reported discharges including some numerical trends with 2000 as the base year and also including categories and types of polluting substances, geographical locations and distributions of incidents, amount and extent of reported pollution, sources, details of prosecutions brought by the competent authorities and reporting effort.
- 1.2.4** In **Section 3** summary reports are provided for all larger discharges of 2 tonnes or more. Further information is provided in **Section 4** for each of 11 geographical areas around the United Kingdom including the causes of particular incidents and counter-pollution responses where appropriate.
- 1.2.5** Elements of the survey quality assurance programme are outlined in **Section 5** including the number of incident reports compiled from information submitted by two or more reporting organisations. Moreover, the current database is provided in **Appendix 1** as part of the quality assurance programme in order to ensure the reliability and accuracy of the survey results. This is further enhanced by posting the survey report on the MCA's website as a publicly available document for scrutiny by all interested stakeholder groups.
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SECTION 2: DESCRIPTIVE STATISTICS AND TREND ASSESSMENTS

2.1 NUMERICAL TRENDS IN REPORTED DISCHARGES

- 2.1.1** The appropriate figures and tables throughout the report have been updated to take account of 3 additional discharges occurring during 2007 which were not previously included in the offshore oil & gas statistics. Details of the 3 incidents were withheld temporarily by DECC until investigations had been completed (Refer to **Section 3**).
- 2.1.2** Following analysis of 1,530 incident reports and supporting information 605 separate discharges from vessels and offshore oil and gas installations were identified within the survey area during 2008. An overall reduction of 8% was evident in the total number of incidents reported over the previous year's total.
- 2.1.3** Trends in annual totals for reported discharges between 2000 and 2008 are displayed in **Figure 1**, including separate line graphs for vessels and offshore oil & gas installations. A downward trend was evident in both sets of statistics for 2008.
- 2.1.4** A reduction of 11% in the total number of vessel-sourced discharges reported during 2008, down from 192 during 2007 to 170 during 2008, was consistent with the underlying downward trend observed in the annual statistics since 2000. Survey respondents indicated that the improvements were due mainly to fewer discharges from vessels operating in ports and harbours and 11 fewer discharges caused by vessel-casualties during 2008.
- 2.1.5** A 6.5% reduction was evident in the total number of accidental discharges attributed to offshore oil and gas installations during 2008 thereby reversing the underlying upward trend in the annual totals recorded over the previous 4 years. Further analysis of these statistics showed that the reported total of 272 accidental oil discharges from offshore oil & gas installations during 2008 was 8 fewer than the mean annual total of 280 oil discharges reported between 2000 and 2007. The total of 163 discharges of substances other than mineral oils reported by offshore installations during 2008, primarily those involving chemical substances, was 21 fewer than the total recorded during the previous year. Further details of each incident are provided in **Appendix 1**.

2.2 CATEGORIES OF REPORTED DISCHARGES

- 2.2.1** In **Table 1** statistics are provided showing the different categories and numbers of discharges reported during 2007 and 2008 for each of 11 enumeration areas. Geographical boundaries to each enumeration area and the complete survey area are shown in **Figure 2**. It should be noted that the statistics for discharges in the United Kingdom Continental Shelf (UKCS) Oil and Gas enumeration area have been presented in two source categories, offshore oil and gas installations and vessels.

Figure 1: Annual totals for reported discharges attributed to vessels and offshore oil and gas installations 2000-2008.

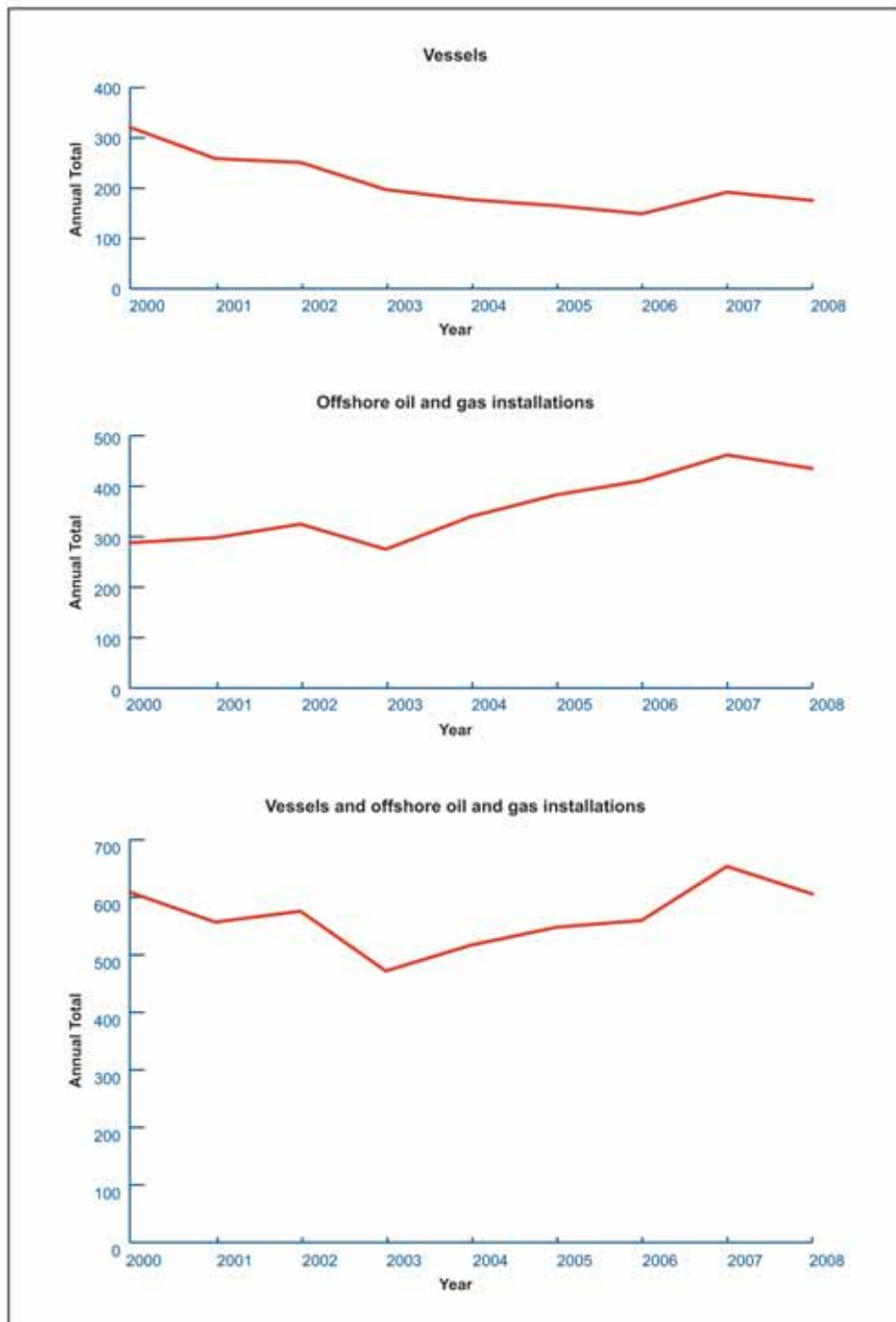
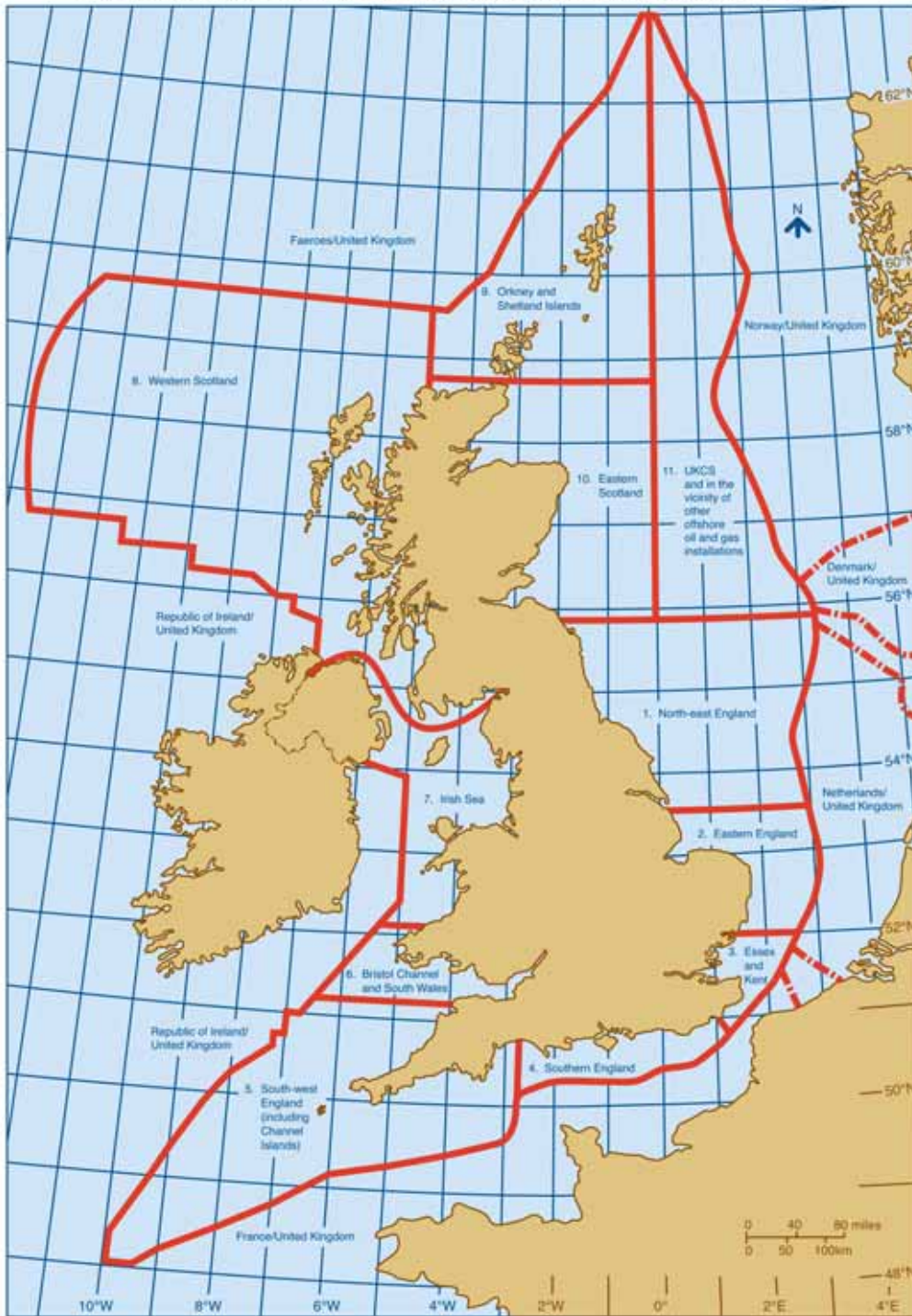


TABLE 1: TOTAL INCIDENTS REPORTED BY CATEGORY OF POLLUTION AND ENUMERATION AREA FOR 2007 AND 2008 ^(a).

Enumeration Area	Mineral oils	Garbage	Vegetable & animal oils	Chemicals	Other substances	Totals
1. North-east England	8 (15)	- (-)	- (-)	2 (-)	- (-)	10 (15)
2. Eastern England	4 (15)	- (-)	1 (-)	- (-)	- (-)	5 (15)
3. Essex & Kent	10 (3)	- (-)	- (-)	- (-)	- (-)	10 (3)
4. Southern England	20 (24)	- (-)	- (-)	- (-)	- (-)	20 (24)
5. South-west England	26 (23)	- (-)	- (-)	1 (-)	- (1)	27 (24)
6. Bristol Channel & South Wales	9 (17)	- (-)	- (-)	- (-)	- (-)	9 (17)
7. Irish Sea	10 (19)	- (-)	- (-)	- (-)	- (-)	10 (19)
8. Western Scotland	16 (22)	- (-)	- (-)	- (-)	- (-)	16 (22)
9. Orkney & Shetland Islands	6 (3)	- (-)	- (-)	- (-)	- (-)	6 (3)
10. Eastern Scotland	28 (29)	- (-)	- (-)	3 (-)	- (1)	31 (30)
11. UKCS oil & gas installations	272 (281)	- (-)	- (-)	163 (184)	- (-)	435 (465)
11. UKCS vessels	25 (20)	- (-)	- (-)	1 (-)	- (-)	26 (20)
Totals	434 (471)	- (-)	1 (-)	170 (184)	- (2)	605 (657)

(a) The figures in parenthesis are the corresponding values from the 2007 survey.

Figure 2: Boundaries of UK Pollution Control Zone and individual enumeration areas.



2.2.2 The discharges from all sources reported during 2008 comprised 71.7% mineral oils, 28.1% chemicals (including oil-based mud) and 0.2% other substances (including vegetable and animal oils).

2.3 LOCATIONS OF REPORTED DISCHARGES

2.3.1 The geographical location of each reported discharge has been identified in **Appendix 1** together with other information for each incident. To facilitate comparisons with previous years' data reported locations of all vessel-source oil discharges in the open sea, nearshore waters and estuaries during 2008 are plotted in **Figure 3**. Data for ports have been grouped separately for England, Wales, Scotland and Northern Ireland.

2.3.2 The overall geographical pattern for vessel-source oil discharges in the survey area during 2008 showed fewer reports of incidents across 7 enumeration areas, with the highest density of reported open-sea incidents occurring in the vicinity of oil & gas installations and in the English Channel.

2.3.3 The geographical locations of all discharges are further analysed by their distribution across five marine environmental zones in each enumeration area: open sea; tidal river or estuary; bay or nearshore waters; beach or shore; and port or harbour. The results are presented in **Table 2** which shows that 82% of all discharges reported were in the open sea, 15% were in ports or harbours and 3% were across the remaining zones.

2.3.4 Reporting organisations submitted details of 92 incidents involving discharges of polluting substances from vessels operating in ports or harbours during 2008 which was 23 fewer than the mean annual total of 115 discharges between 2000 and 2007. Further details are provided in **Section 4**.

2.3.5 Three beach pollution incidents caused by suspected discharges from vessels were reported during 2008 compared with an average of 10 incidents a year between 2000 and 2007. During the third week of February 1.5 tonnes of oil mixed with debris were removed from beaches in the Shepway District Council area and isolated patches of thick tarry oil with at least 100 oiled seabirds were washed ashore along the East Kent coastline during the same incident. Aerial surveillance flights were unable to detect any pollution at sea and oil samples were taken by local coastguards.

2.3.6 In addition Aberdeenshire and Moray Councils reported intermittent beach pollution following 2 crude oil spills of 250 litres and 330 litres from the *Beatrice Alpha* offshore installation on 24 April and 3 June respectively. All accessible areas were cleaned up successfully over a three-week interval with the assistance of personnel from the operator of the installation, Talisman Energy.

2.3.7 During 2008 there were no reports of any observed discharges of garbage at sea from vessels or offshore oil & gas installations. However, North Cornwall District Council's Beach Ranger Service drew attention to the ongoing problem of marine debris washed up on local beaches throughout the year. A database on spatial and temporal variations has been established and discharges of garbage from all types of vessels are believed to be one of the principal sources.

Figure 3: Locations of reported oil discharges attributed to vessels.

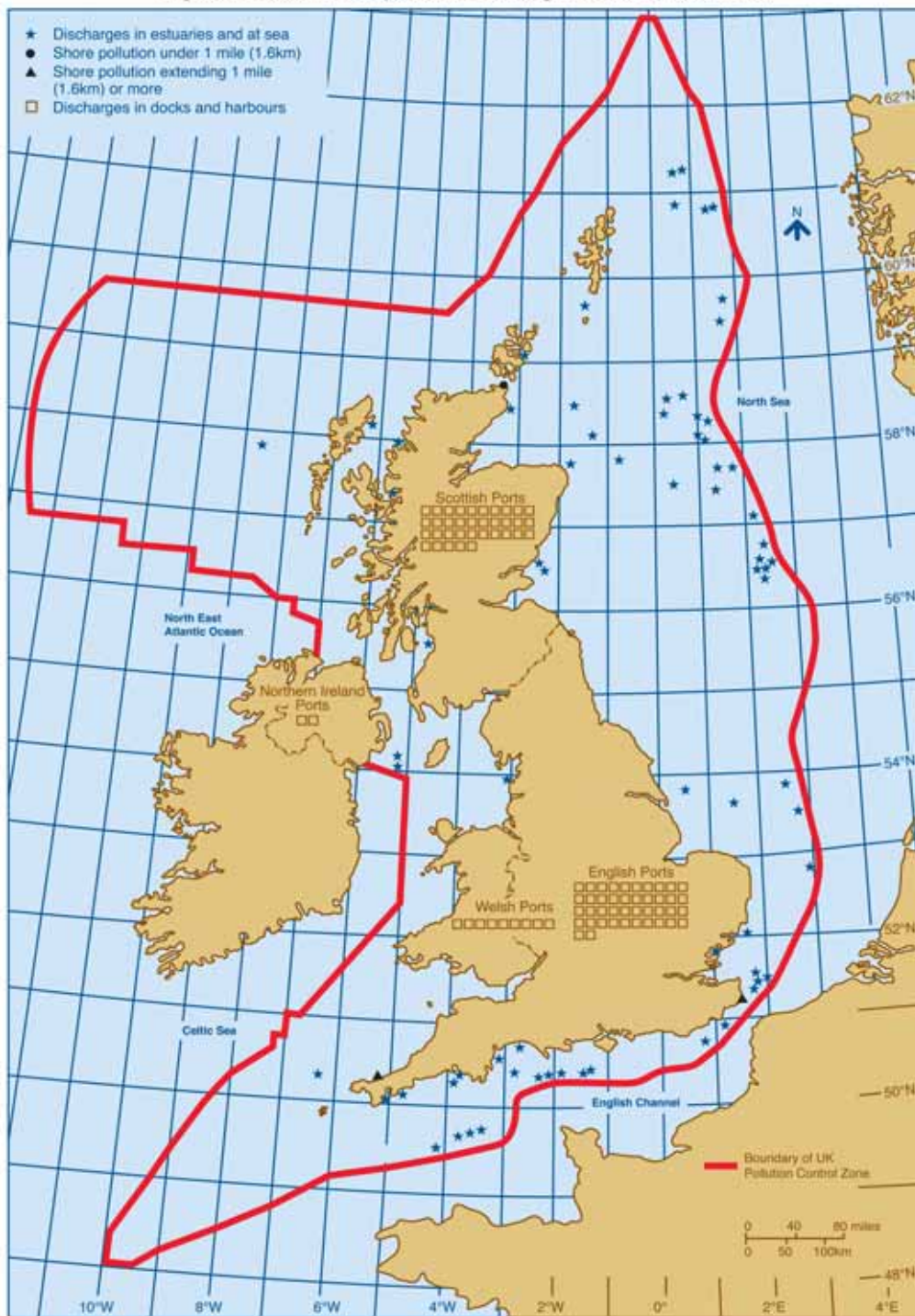


TABLE 2: TOTAL INCIDENTS REPORTED AND DISTRIBUTION BY MARINE ENVIRONMENTAL ZONE AND ENUMERATION AREA ^(a).

Enumeration area	Open sea	Tidal river/ estuary	Bay/nearshore waters	Beach/shore	Port/harbour	Totals
1. North-east England	3 (1)	-	-	-	7 (1)	10 (2)
2. Eastern England	4 (1)	-	-	-	1	5 (1)
3. Essex & Kent	5	1	-	1	3	10
4. Southern England	6	-	-	-	14	20
5. South-west England	9 (1)	-	4	1	13	27 (1)
6. Bristol Channel & South Wales	-	-	-	-	9	9
7. Irish Sea	2	-	1	-	7	10
8. Western Scotland	-	-	5	-	11	16
9. Orkney & Shetland Islands	1	-	1	-	4	6
10. Eastern Scotland	5	-	2	1	23 (3)	31 (3)
11. UKCS oil & gas installations	435 (163)	-	-	-	-	435 (163)
11. UKCS vessels	26 (1)	-	-	-	-	26 (1)
Totals	496 (167)	1	13	3	92 (4)	605 (171)

^(a) The figures in parenthesis are included in the totals and refer to incidents involving discharges of substances other than mineral oil.

2.4 AMOUNT AND EXTENT OF REPORTED POLLUTION

- 2.4.1 Information describing observed dimensions and volumes of pollution for each enumeration area is presented in **Table 3** reported. Estimates for volumes of discharges were confirmed in written reports for 539 incidents, or 89% of the total. It should be noted, however, that details of the extent of pollution were not available for 76% of the total number of incidents.
- 2.4.2 Excluding discharges from offshore oil and gas installations and vessels operating in the UKCS area 11 approximately 6% of oil slicks were greater than 1.6 km in length when this information was reported. Broadly comparable statistics from the 1995, 2000 and 2005 surveys were 15%, 12% and 7% respectively.
- 2.4.3 The modal class for all oil discharge quantities was again less than 455 litres but larger volumes of between 456 litres and 118 tonnes were recorded in 5 of the 11 survey enumeration areas. In total 7% of all oil discharges where the volumes were reported were greater than 455 litres which was the same percentage as the previous year.
- 2.4.4 The largest oil spill of 118 tonnes of fuel oil was an accrued total over the year from the wreck of the Greek-flagged general cargoship *Ice Prince* (6,467 gt, built 1990) which sank during a storm in the English Channel on 15 January. Surveillance flights identified a number of surface oil slicks and sheens in the vicinity of the wreck position during January, February, November and December. All were broken up and dispersed by wave action with no confirmed reports of any oil arriving ashore. A subsequent salvage operation removed an estimated 307 tonnes of bunkers from the ships tanks (Refer to **3.1**).
- 2.4.5 The modal class for reported chemical spills was also less than 455 litres but 57 spills were of 1 tonne or more. The largest chemical incident of 120,259 kg of methanol was an ongoing release from a subsea umbilical tied back to the *Johnston* installation from 21 June 2008 to 31 December 2008. The release was identified in November 2008 after an injection pump failed allowing the release to be identified. Pump pressures were monitored to ensure no deterioration of the leak and in January 2009 a diver intervention programme identified the failure and repairs were effected to a loose subsea hose coupling (Refer to **3.37**).
- 2.4.6 In **Section 3** details are provided of a further 50 discharges of 2 tonnes or more from vessels and offshore installations. It should be noted that a significant number of accidental discharges of substances other than mineral oils from offshore installations take place over a significant period of time. In some cases it may be many months before remedial work can be undertaken due to the timescales involved in sourcing equipment to carry out the work.

TABLE 3: AMOUNT AND EXTENT OF REPORTED POLLUTION BY ENUMERATION AREA^(a).

Enumeration area	Extent of pollution ^(b)				Estimated volumes of discharges				
	Water surface		Shoreline		1-455 litres	456 litres – 999 litres	1-50 tonnes	>50 tonnes	Not known
	≤1.6 km	>1.6 km	≤ 1.6 km	> 1.6 km					
1. North-east England	10 (2)	-	-	-	7	-	2 (2)	-	1
2. Eastern England	3 (1)	2	-	-	-	-	-	-	5 (1)
3. Essex & Kent	7	2	-	1	5	-	-	-	5
4. Southern England	19	1	-	-	15	-	-	1	4
5. South-west England	24	2 (1)	-	1	13	-	2 (1)	-	12
6. Bristol Channel & South Wales	9	-	-	-	9	-	-	-	-
7. Irish Sea	10	-	-	-	4	1	-	-	5
8. Western Scotland	16	-	-	-	9	1	1	-	5
9. Orkney & Shetland Islands	6	-	-	-	4	-	-	-	2
10. Eastern Scotland	28 (3)	2	1	-	19 (3)	-	-	-	12
11. UKCS oil & gas installations	(c)	(c)	(d)	(d)	334 (82)	30 (21)	62 (54)	3 (3)	6 (3)
11. UKCS vessels	(c)	(c)	(d)	(d)	12	1	4 (1)	-	9
Totals	132 (6)	9 (1)	1	2	431 (83)	33 (21)	71 (58)	4 (3)	66 (4)

(a) The figures in parenthesis are included in the totals and refer to incidents involving discharges of substances other than mineral oil.

(b) The units given are the maximum observed dimensions of pollution on water or the shoreline. The data were derived from 144 incident reports in which this information was recorded.

(c) Information not reported when confirmation of estimated volumes of discharges have been provided.

(d) Not applicable.

2.5 CATEGORIES AND TYPES OF POLLUTION

- 2.5.1** Statistics showing the different categories and types of polluting substances are presented in **Table 4**. Mineral oils were again the most frequently recorded category of polluting substances and were identified in 72% of incident reports. The estimated volumes of mineral oil spills ranged from less than 1 litre to 118 tonnes and further details are provided in **Section 3** and **Appendix 1**.
- 2.5.2** Crude oils accounted for 22% of the identified types of mineral oil discharges and this figure was 5% higher than the previous year's. The largest ongoing crude release incident of 4.73 tonnes was from an offshore installation between 1 January 2008 and 4 August 2008. A leaking section of subsea water injection flowline was subsequently replaced (Refer to **3.47**).
- 2.5.3** Bunker, diesel, fuel and gas oils were again reported in varying quantities from vessels or oil and gas installations on 175 occasions, 21 fewer than the previous year's total. The spills occurred most frequently during bunkering operations in the UKCS, south west England and eastern Scotland enumeration areas. For example, a Tier Two counter pollution response was initiated after the MFV *Wiron One* accidentally discharged 7 tonnes of diesel oil during a bunkering operation in Plymouth's Cattewater Harbour on 16 October (Refer to **2.7.3** and **4.5.6**).
- 2.5.4** Spills of lubrication oil or hydraulic oil were recorded in 8 of the 11 survey enumeration areas with 71 spills attributed to offshore oil & gas installations. Respondents described the remaining types of mineral oil discharges as condensate, drainage water, oily bilge water, slops, tarry lumps and weathered hydrocarbons. In addition, aviation fuel spillages were reported on 2 occasions and attributed to a warship and an offshore installation.
- 2.5.5** Respondents identified 171 discharges of substances other than mineral oils during 2008 compared with 184 discharges during 2007. Seven chemical spills were attributed to vessels operating in ports and harbours and in the open sea. Aberdeen Harbour Board provided details of 3 chemical spills from vessels during 2008. The chemical products tanker *Georg Essberger* was identified as the source of a 2-tonne spillage of aniline at Teesport. In the open sea the crude oil shuttle tanker *Navion Fennia* reported a chemical spill of 7 tonnes of foam condensate from a wave-damaged container.
- 2.5.6** Offshore operators reported 163 incidents involving chemicals during 2008 compared with 182 during the previous year. The identified substances included base oil, glycol solutions, hydraulic fluids, hydrochloric acid, methanol and sodium hypochlorite. The estimated volumes of spills ranged from 0.001 kg to 120,259 kg and further details are provided in **Section 3** and **Appendix 1**.

TABLE 4: IDENTIFICATION OF A SOURCE OF POLLUTION AND REPORTED TYPE BY ENUMERATION AREA.

Enumeration Area	Vessel/offshore pollution source ^(b)		Types of pollution ^(a)													
			Mineral oils					Garbage			Other substances					
	Identified	Suspected	1	2	3	4	5	6	7	8	9	10	11	12	13	
1. North-east England	8 (2)	2	-	7	1	-	-	-	-	-	-	-	-	2	-	-
2. Eastern England	-	5 (1)	-	2	-	-	2	-	-	-	1	-	-	-	-	-
3. Essex & Kent	5	5	-	5	-	1	4	-	-	-	-	-	-	-	-	-
4. Southern England	15	5	1	12	2	-	5	-	-	-	-	-	-	-	-	-
5. South-west England	16	11 (1)	-	20	-	1	5	-	-	-	-	-	1	-	-	-
6. Bristol Channel & South Wales	9	-	-	5	2	-	2	-	-	-	-	-	-	-	-	-
7. Irish Sea	7	3	-	6	1	1	2	-	-	-	-	-	-	-	-	-
8. Western Scotland	16	-	-	14	2	-	-	-	-	-	-	-	-	-	-	-
9. Orkney & Shetland Islands	5	1	-	4	1	-	1	-	-	-	-	-	-	-	-	-
10. Eastern Scotland	24 (3)	7	-	18	3	4	3	-	-	-	-	3	-	-	-	-
11. UKCS oil & gas installations	435 (163)	-	80	82	71	30	9	-	-	-	-	11	152	-	-	-
11. UKCS vessels	1 (1)	25	2	-	-	-	23	-	-	-	-	-	1	-	-	-
Totals	541 (169)	64 (2)	83	175	83	37	56	-	-	-	1	14	156	-	-	-
Percentage of total reports	89	11	14	29	14	6	9	-	-	-	0.2	2.3	25.8	-	-	-

Key: Mineral Oils 1: Crude oil. 2: Bunker, diesel, fuel and gas oils. 3: Lubrication & hydraulic oils. 4: Other oil types. 5: Unidentified oil.

Garbage 6: Galley wastes. 7: Other garbage types. 8: Unidentified type of garbage.

Other substances 9: Animal & vegetable oils. 10: Oil-based mud products.

11: Other chemical substances. 12: Other substances. 13: Unidentified substances.

^(a) The figures are frequencies for each of the categories shown and more than one entry may be made for each pollution incident.

^(b) The figures in parenthesis are included in the totals and refer to incidents involving discharges of substances other than mineral oils.

2.6 REPORTED SOURCES OF POLLUTION

- 2.6.1** The figures in **Table 4** show for each enumeration area the numbers of incidents in which reporting organisations either identified a specific source of pollution or suspected a vessel or offshore pollution source. The statistics for the identified sources of pollution are further analysed in **Table 5** to show the different types of vessels and additional details including the names of vessels or installations are provided in **Appendix 1**.
- 2.6.2** This method of analysis showed that oil & gas installations operating on the UKCS accounted for 80% of all identified incidents reported, which was 3% greater than the previous year. Corresponding statistics for fishing vessels, pleasure craft, general cargo vessels and the remaining types of vessels were 6.5%, 3.7%, 2.8% and 6.6% respectively.
- 2.6.3** Reporting organisations identified oil and chemical tankers as sources of pollution on 12 occasions during 2008 compared with 4 occasions during the previous year. Port and harbour authorities reported tanker spills at Aberdeen, Clydeport Hunterston, Falmouth, Harwich, Milford Haven, Southampton, Sullom Voe and Teesport.
- 2.6.4** For example, approximately 225 litres of fuel oil were spilt from the bunkering tanker *Whitstar* off Falmouth and another 200 litres of heavy fuel oil were accidentally discharged from the MTANKER *Assos* in the same location later in the year. Clean-up operations were successfully completed following each spill. A defective valve seal and a hydraulic failure were identified as the causes of a 5-litre crude oil spill from the MTANKER *Genmar St. Nikolas* at Esso's Fawley Terminal on 8 October. The oil was immediately boomed off and removed from the water surface (Refer to **4.4.7**).
- 2.6.5** At least 26 confirmed discharges were attributed to vessel-casualties including 17 fishing vessels, 3 pleasure craft and workboats, 3 general cargo vessels, a dredger, a creel boat and a lifeboat. Seventeen vessel-casualty spills, mostly involving fishing vessels, occurred in the western Scotland and eastern Scotland survey enumeration areas. Moreover, vessel-casualties accounted for 49% of all confirmed discharges attributed to fishing vessels and likewise 15% of all discharges attributed to pleasure craft and workboats. The corresponding statistics from the 2007 survey were 35% and 52% respectively. Further details are provided in **Section 3, Section 4** and **Appendix 1**.
- 2.6.6** Between January and August 2008 the remaining aft portion of the containership *MSC Napoli* off Sidmouth was identified as the source of 9 oil sheens with a combined estimated volume of 13.6 tonnes. The oil was broken up and dispersed by wave action (Refer to **4.5.12**).

2.7 PROSECUTIONS

- 2.7.1** Reporting organisations submitted details of 3 successful prosecutions brought by the competent authorities; these are summarised in **Table 6**.

TABLE 5: REPORTED SOURCE OF POLLUTION BY ENUMERATION AREA^(a).

Enumeration area	MCT	MFV	MSV	MT	MV	OOI	PC	WR	O
1. North-east England	1 (1)	-	-	1 (1)	3	-	1	-	2
2. Eastern England	-	-	-	-	-	-	-	-	-
3. Essex & Kent	1	1	-	-	1	-	1	-	1
4. Southern England	-	2	-	1	2	-	9	-	1
5. South-west England	-	3	-	2	2	-	7	-	2
6. Bristol Channel & South Wales	-	5	-	2	-	-	-	-	2
7. Irish Sea	-	1	-	-	2	-	1	-	3
8. Western Scotland	-	12	-	1	2	-	-	-	1
9. Orkney & Shetland Islands	-	2	-	1	2	-	-	-	-
10. Eastern Scotland	-	9	8 (3)	2	1	-	1	-	3
11. UKCS oil & gas installations	-	-	-	-	-	435 (163)	-	-	-
11. UKCS vessels	-	-	1 (1)	-	-	-	-	-	-
Totals	2 (1)	35	9 (4)	10 (1)	15	435 (163)	20	-	15

Key: **MCT:** Chemical tanker. **MFV:** Fishing vessel. **MSV:** Offshore support vessel. **MT:** Coastal oil tanker/VLCC.
MV: General cargo vessel. **OOI:** Offshore oil or gas installation. **PC:** Pleasure craft. **WR:** Wreck. **O:** Other type of vessel.

^(a) The figures in parenthesis are included in the totals and refer to incidents involving discharges of substances other than mineral oils.

TABLE 6: DETAILS OF PROSECUTIONS BROUGHT BY THE COMPETENT AUTHORITIES IN THE UNITED KINGDOM DURING 2008

Date and location of incident	Name of vessel or offshore installation and type of pollution	Prosecution brought by	Fine
25 February 2008 Falmouth Bay	MV Jet intermediate fuel oil	Falmouth Harbour Commissioners	£8,848
16 October 2008 Cattewater Harbour	MFV Wiron One 7 tonnes diesel oil	^(a) Environment Agency	^(b) £20,000
26 October 2008 Falmouth Bay	MTANKER Assos 200 litres heavy fuel oil	Falmouth Harbour Commissioners	£10,000

^(a) Prosecution brought under s.85(1) of the Water Resources Act 1991.

^(b) In addition the fishing vessel's engineer was fined £1,500.

Prosecutions brought under Prevention of Oil Pollution Act 1971, Control of Pollution Act 1974, Merchant Shipping Act 1995, Merchant Shipping (Prevention of Oil Pollution) Regulations 1996, Merchant Shipping (Dangerous or Noxious Liquid Substances in Bulk) (Amendment) Regulations 1996, Offshore Chemicals Regulations 2002, Merchant Shipping (Prevention of Pollution by Garbage) Regulations 1998.

2.7.2 Two cases were brought by the Falmouth Harbour Commissioners following fuel oil discharges from vessels engaged in bunkering operations in Falmouth Bay; and the Camborne Magistrates' Court imposed fines totalling £18,848 on the owners of the 2 vessels (Refer to **4.5.5**).

2.7.3 The third case was brought by the Environment Agency (EA) after a 7-tonne diesel spillage from the MFV *Wiron One* in Cattewater Harbour on 16 October. A Plymouth Magistrates' Court imposed a fine of £20,000 on the owners of the vessel and ordered them to pay £3,000 costs. In addition, the fishing vessel's engineer was fined £1,500 and ordered to pay £700 costs after admitting his 'sole responsibility' for causing the spillage after falling asleep during a fuel transfer operation (Refer to **4.5.6**). The EA had issued a formal warning to the vessel's owners after a similar but smaller pollution incident in 2007.

2.8 REPORTING EFFORT

2.8.1 The number of incident reports received from each of 10 reporting organisations is shown in **Table 7**. The total number of reports received and processed was 1,530 from which 605 separate incidents were subsequently identified and entered into the 2008 database.

2.8.2 Observations from air surveillance patrols and a satellite surveillance programme were again employed to help identify discharges from vessels and offshore oil and gas installations operating in the UKPCZ. All port and harbour authorities taking part in the survey responded and postal or e-mail reminders were again employed to achieve the required response rates.

TABLE 7: TOTAL NUMBER OF INCIDENT REPORTS RECEIVED FROM EACH REPORTING ORGANISATION.

Reporting organisations	Total number of reports received
English and Welsh Local Authorities	144
Environment Agency for England and Wales	7
Sea Fisheries Committees in England & Wales	16
Northern Ireland Environment Agency	1
United Kingdom Ports	153
Maritime and Coastguard Agency	^(a) 654
DECC Offshore Environment Unit	464
Scottish Environment Protection Agency	43
Scottish Local Authorities	26
Scottish Society for the Prevention of Cruelty to Animals	22
Grand Total	1,530

^(a) The figure provided includes duplicate PON 1 reports provided by DECC which form part of the quality assurance process. Refer to **Section 5**.

SECTION 3: SUMMARY OF LARGER DISCHARGES (TWO TONNES OR MORE) DURING 2008

(Refer to **Section 4** and **Appendix 1** for further details of each incident)

The figures given below are indicative of the reported volumes of releases confirmed in written reports. However, incidents in which significant amounts of beach material were mixed with pollutants, or where the volumes released were not indicated or measured, are not included. The incidents are ordered according to spill size. Those that occurred over a period of time have been included at the end of this section.

3.1 Southern England 15 January: MV Ice Prince (4-SE/121)

The largest oil spill of **118 tonnes** of fuel oil was an accrued total over the year from the wreck of the Greek-flagged general cargoship Ice Prince (6,467 gt, built 1990) which sank during a storm in the English Channel on 15 January. Surveillance flights identified and estimated the volumes of a number of surface oil slicks and sheens in the vicinity of the wreck position during January, February, November and December. All were broken up and dispersed by wave action with no confirmed reports of any oil arriving ashore. A subsequent salvage operation removed an estimated 307 tonnes of bunkers from the ships tanks.

3.2 UKCS 03 November: BP Bruce (11-UKCS/1545)

BP Exploration Operating Company reported an incident involving a release from the Bruce installation of **46,000 kg** of triethylene glycol (TEG) due to a carryover from the glycol regeneration system on start-up. This is a worst-case scenario as some of the TEG may have remained in the system. Operating procedures have now been altered to prevent future releases during start ups of the system.

3.3 UKCS 18 January: Xcite Energy Byford Dolphin (11-UKCS/1182)

Xcite Energy Resources Ltd reported an incident involving a release from the Byford Dolphin mobile drilling unit of **34,750 kg** of NACL brine. The incident occurred after the 4-inch brine hose was run over by a forklift causing the brine to be spilt over the sack room floor and subsequently discharged to sea. The split hose was removed and capped until a new hose was fitted.

3.4 UKCS 26 June: unidentified vessel (12-UKCS/1612)

A blue-green rainbow sheen covering an area of 48.56 km² with an estimated volume of **26 tonnes** was reported by the Andrew platform crew-change helicopter. The source of the sheen could not be identified. Observations from a marine pollution surveillance aircraft 3 days later indicated that the volume and extent of the oil was greatly reduced due to natural dispersion.

3.5 UKCS 30 September: Star Energy, Energy Enhancer (11-UKCS/1514)

Star Energy reported an incident involving a release from the Energy Enhancer mobile drilling unit of **28,000 kg** of sodium chloride/ potassium chloride glycol water-based mud due to a dump valve being left unintentionally open.

The dump valve was secured and future openings are now controlled under a permit to work.

- 3.6 UKCS 30 March: Shell Norway, *Leiv Eiriksson* (11-UKCS/1255)**
Shell Norway reported an incident involving a release from the Leiv Eiriksson mobile drilling unit of **26,000 kg** of Glydril water based drill fluid due to the removal of the blow-out preventer (BOP) causing backflow from the casing. The BOP latched back onto the wellhead and closed preventing recurrence.
- 3.7 UKCS 24 July: Shell UK, *Shearwater* (11-UKCS/1414)**
Shell UK reported an incident involving a release from the Shearwater installation of **25,000 kg** of cooling medium due to the pipeline expansion bellows rupturing. The ruptured bellows were isolated and a plan was put in place to replace all bellows within the system.
- 3.8 UKCS 27 October: Petrofac Energy, *John Shaw* (11-UKCS/1536)**
Petrofac Energy Developments Ltd reported an incident involving a release from the John Shaw mobile drilling unit of **13,241 kg** of Versaclean oil-based mud due to a choke line connection failure. All operations were ceased, the connection repaired, and all other similar connections were tested for integrity.
- 3.9 UKCS 5 September: unidentified vessel (12-UKCS/1620)**
The Piper Bravo installation reported an oily sheen 3.2 km south of the platform occupying an area of 1.02 km² and with an estimated maximum volume of **12.2 tonnes**. The source of the oily sheen could not be identified and the sheen dispersed naturally.
- 3.10 UKCS 22 December: Total E&P, *Dunbar* (11-UKCS/1588)**
Total E&P Ltd reported an incident involving a release from the Dunbar installation of **11,800 kg** of brine. Two dump valves were passing which allowed brine to enter the platform caisson and thereafter released to the sea. The leaking valves were repaired.
- 3.11 UKCS 09 July: Silverstone Energy, *Enesco 100* (11-UKCS/1395)**
Silverstone Energy Ltd reported an incident involving a release from the Enesco 100 mobile drilling unit of **11,126 kg** of inhibited KCL brine due to a member of staff inadvertently opening a valve on the mud pits. The valve was subsequently closed and the member of staff educated in the proper use of valves.
- 3.12 UKCS 16 December: ConocoPhillips, *JW Mclean* (11-UKCS/1584)**
ConocoPhillips reported an incident involving a discharge from the JW MacLean mobile drilling unit of **11,000 kg** of Tuned Light XL cement, which was incorrectly discharged to sea. ConocoPhillips highlighted the legislative requirements to their offshore supervisors and to management to prevent a reoccurrence.
- 3.13 UKCS 05 June: Total E&P, *Sedco 714* (11-UKCS/1339)**
Total E&P Ltd reported an incident involving a release from the Sedco 714 mobile drilling unit of **10,230 kg** of sodium chloride via a wing valve on the

production blow-out preventer which had been incorrectly left open during a sequence of pro-checks in preparation for recovery. In turn this allowed brine to be released through the wing valve as hydrostatic column of fluid in the riser was exerted. The wing valve was immediately isolated and procedures for using valves re-enforced.

3.14 Western Scotland 1 February: MFV *Spinningdale* (08-WS/359)

The UK registered Spanish-owned deep sea longliner *Spinningdale* (169, gt, built 1968) ran aground during a storm in Village Bay on St. Kilda. The hull of the fishing vessel was breached and initially approximately **8 tonnes** of diesel oil escaped to sea and was quickly broken up and dispersed by wave action. A salvage plan was agreed with the owner of the island, The National Trust for Scotland, which ensured that seabird populations inhabiting the World Heritage Site were protected from any remaining fuels, chemicals and equipment which could cause them harm.

3.15 UKCS 22 December: Nexen Petroleum, *Scott* (11-UKCS/1589)

Nexen Petroleum reported an incident involving a release from the *Scott* installation of **7,900 kg** of Portland cement mix due to wet cement slurry being incorrectly discharged from the *Scott* platform in a method out with normal operations. Procedures were updated to prevent a reoccurrence.

3.16 North East England 31 January: MTANKER *Navion Fennia* (1-NE/001)

The crude oil shuttle tanker *Navion Fennia* (51,136 gt, built 1992) reported a chemical spill of **7 tonnes** of foam condensate from a wave damaged container in the North Sea.

3.17 South West England 16 October: MFV *Wiron* (05-SW/224)

The MFV *Wiron* accidentally discharged **7 tonnes** of diesel oil during a bunkering operation in Plymouth's Cattewater Harbour.

3.18 UKCS 04 January: Talisman Energy, *Bleo Holm* (11-UKCS/1172)

Talisman Energy reported an incident involving a release from the *Bleo Holm* installation of **6,850 kg** of scale inhibitor and other chemicals due to drum damage occurring during severe weather conditions.

3.19 UKCS 30 June: CNR International, *Ninian Southern* (11-UKCS/1384)

CNR International reported an incident involving a release from the *Ninian Southern* installation of **5,100 kg** of Bacton B2090 due to a drain being found open on the biocide storage tanks. The storage tank drain valves were secured in the closed position and staff educated to prevent recurrence.

3.20 UKCS 21 June: Perenco UK, *Trent* (11-UKCS/1363)

Perenco UK Ltd reported an incident involving a release from the *Trent* installation of **5,000 kg** of TEG from the TEG regeneration system flash drum connection to the closed drains system. Vibrations caused the drain line to fatigue and eventually fail. The system has been reinstated with measures taken to address the excess vibration.

- 3.21 UKCS 15 October: Hess, Triton FPSO (11-UKCS/1528)**
Hess Ltd reported an incident involving a release from the Triton FPSO of **4,829 kg** of Gluataldehyde Champion Bactron 1150 which was released following a rupture of a sea water injection line. The water injection pumps were stopped immediately once the loss was identified and all water injection wells were shut in.
- 3.22 UKCS 04 April: Apache North Sea, Forties Bravo (11-UKCS/1259)**
Apache North Sea Ltd reported an ongoing incident involving a release from the Forties Bravo installation of **4.618 tonnes** of crude oil from 4 April 2008 to 5 April 2008, following a failure of the Forties Bravo to Charlie pipeline and subsequent testing operations. The pipeline was inspected and the leak source confirmed. Apache replaced the Forties Bravo to Charlie pipeline.
- 3.23 UKCS 02 February: Shell Norway, Leiv Eiriksson (11-UKCS/1194)**
Shell Norway reported an incident involving a release from the Leiv Eiriksson mobile drilling unit of **4,600 kg** of brine (KCL) due to a faulty seal and a foreign object in the valves within the mud pit. Both valves were changed out.
- 3.24 UKCS 20 April: unidentified vessel (12-UKCS/1603)**
The Sedco 704 installation reported a surface sheen 1.6 km wide and 3 km long with an estimated volume of **4.3 tonnes**. The source could not be identified and the sheen dispersed naturally.
- 3.25 UKCS 09 February: Shell UK, Carrack (11-UKCS/1200)**
Shell UK reported an incident involving a release from the Carrack installation of **4.236 tonnes** of diesel oil due to a leaking fuel filter on an unmanned platform. The equipment was isolated and a repair completed.
- 3.26 UKCS 12 September: Valiant Petroleum, Byford Dolphin (11-UKCS/1494)**
Valiant Petroleum Ltd reported an incident involving a release from the Byford Dolphin mobile drilling unit of **3,550 kg** of drilling fluid due to a failure of the slip joint packer. The secondary seal was energised and actions taken to prevent recurrence.
- 3.27 UKCS 01 November: Oilexco North Sea, Balmoral (11-UKCS/1544)**
Oilexco North Sea Ltd reported an incident involving a release from the Balmoral installation of **3,100 kg** of Pelagic 100 subsea control fluid due to a leaking control module hose which was then isolated. The hose was replaced and the subsea control module returned to service.
- 3.28 UKCS 11 May: Total E&P, Dunbar (11-UKCS/1305)**
Total E&P Ltd reported an incident involving a release from the Dunbar installation of **3,000 kg** of TROS 518 due to the dump valve not being fully closed when the manual valve was opened and methanol was therefore inadvertently dumped to sea via the overboard dump line. Procedures were re-enforced to prevent recurrence.

- 3.29 UKCS 10 November: Talisman Energy, *Claymore* (11-UKCS/1556)**
Talisman Energy reported an incident involving a release from the Claymore installation of **2,722 kg** of DMO 86660 Demulsifier (Baker Petrolite) as a result of an operator failing to monitor levels when topping up the system. The progress of the liquid was observed by an operator, who closed the fill line.
- 3.30 UKCS 07 August: BP, *Magnus* (11-UKCS/1440)**
BP Exploration Operating Company reported an incident involving a release from the Magnus installation of **2,550 kg** of TROS C787C due to a chemical tank overflow. The tote tank bunkering hose was inadvertently attached to the wrong valve and the contents overflowed and spilled to sea. An investigation was carried out and a number of actions were progressed as a result.
- 3.31 UKCS 30 October: MSV *Skandi Barra* (12-UKCS/1623)**
The MSV Skandi Barra reported a chemical discharge of **2,400 kg** of Castrol Transaqua HT 2. The chemical was a water-based hydraulic fluid.
- 3.32 UKCS 15 June: Talisman Energy, *Ocean Nomad* (11-UKCS/1353)**
Talisman Energy reported an incident involving a release from the Ocean Nomad mobile drilling unit of **2,350 kg** of Versaclean oil-based mud due to a slip joint packer releasing fluid after becoming de-energized. Actions were identified to prevent recurrence.
- 3.33 UKCS 27 April: Mobil North Sea, *Beryl Alpha* (11-UKCS/1287)**
Mobil North Sea LLC reported an incident involving a release from the Beryl Alpha installation of **2,184 kg** of Oceanic HW443 due to a leak in the hydraulic supply line to the Nevis subsea wells. Nevis 'A' hydraulic system was isolated with no further chemical lost to sea.
- 3.34 UKCS 29 June: BP, *Cleeton Villages* (11-UKCS/1382)**
BP Exploration Operating Company reported an incident involving a release from the Cleeton Villages installation of **2,100 kg** of methanol due to a pressure gauge overpressure release fitting failure. The system was isolated with the gauge removed and replaced.
- 3.35 North East England 19 August MCTANKER *Georg Essberger* (1-NE/531)**
Approximately **2 tonnes** of aniline (UN Number 1547) were accidentally discharged into the River Tees from the chemical products tanker Georg Essberger (5,738 dwt, built 2004). The chemical was dispersed by tidal action and there were no reports of any environmental damage.
- 3.36 UKCS 23 December: Nexen Petroleum, *Scott* (11-UKCS/1592)**
Nexen Petroleum reported an incident involving a release from the Scott installation of **2,000 kg** of methanol due to a leak from a subsea hose.

UKCS INCIDENTS OCCURRING OVER AN EXTENDED PERIOD DURING 2008

The following reported UKCS incidents occurred over a period of time within the year.

In all cases the source of the release was from subsea control equipment and the fluids lost were associated with oil and gas exploration and production operational processes. The operator continued the release to maintain the integrity and functionality of the wells/equipment until equipment and dive support vessels could be resourced to complete the necessary repairs.

Each release required the operator to provide an environmental impact assessment in order to identify any potential environmental issues. The operator in each case was required to provide regular updates on their management plan. Where necessary meetings with the operator took place to discuss aspects associated with the incident. Discussions included the type and volume of fluid being released, the potential environmental impact and the operator's short- and long- term plans to stop the release and, where relevant, effect a final repair.

3.37 UKCS 21 June: E.ON Ruhrgas, Johnston (11-UKCS/1365)

E.ON Ruhrgas reported an incident involving the ongoing release of **120,259 kg** of methanol from a subsea umbilical tied back to the Johnston installation from 21 June 2008 to 31 December 2008. The release was identified in November 2008 after an injection pump failed allowing the release to be identified. Pump pressures were monitored to ensure no deterioration of the leak and in January 2009 a diver intervention programme identified the failure and repairs were effected to a loose subsea hose coupling.

3.38 UKCS 1 January: Lundin Britain, Heather Alpha (11-UKCS/1163)

Lundin Britain reported an incident involving an ongoing release from the Heather Alpha installation of **58,830 kg** of Transaqua HT2 from 1 January 2008 to 31 December 2008. Following diagnostic testing and remotely operated vehicle surveys, a diving support vessel was used to replace the Broom Field control pod in June 2008, attempts were made to locate the leak source and replace suspected faulty parts; however a leak continued through 2008.

3.39 UKCS 09 August: CNR International, Petrojarl Banff (11-UKCS/1445)

CNR International reported an incident involving an ongoing release from the Petrojarl Banff installation of **57,347 kg** of Aqualink HT804 from 9 August 2008 to 30 October 2008 from a subsea control system. Following diagnostic testing and subsea remotely-operated vehicle inspections, repairs were carried out by a diving support vessel on 22 October 2008 which stopped the leak.

3.40 UKCS 23 September: Shell UK, Haewene Brim (11-UKCS/1507)

Shell UK reported an incident involving an ongoing release from the Haewene Brim installation of **41,000 kg** of Castrol Transaqua from 23 September 2008 to 30 December 2008 due to a leakage from the subsea equipment. The subsea control module was replaced in December 2008 but failed to stop the leak.

The current plan is to change out the Xmas tree which is expected to take place during September 2009.

- 3.41 UKCS 01 February: CNR International, *Petrojarl Banff* (11-UKCS/1192)**
CNR International reported an incident involving an ongoing release from the Petrojarl Banff installation of **25,095 kg** of Aqualink HT804-F from 1 February 2008 to 27 October 2008 due to an ongoing leak of hydraulic fluid from a subsea control system hose. A remotely-operated vehicle was mobilised to inspect all subsea equipment and following identification of the leak point a repair was carried out using a diving support vessel on 27 October 2008, which stopped the leak.
- 3.42 UKCS 26 June: Nexen Petroleum, *Scott* (11-UKCS/1373)**
Nexen Petroleum reported an incident involving an ongoing release from the Scott installation of **20,280 kg** of Oceanic HW540 from 26 June 2008 to 26 August 2008 due to leakage from a valve control on a water injection well. The leak was confirmed via remotely operated vehicle survey and action taken to stop the loss.
- 3.43 UKCS 01 January: Britannia Operator, *Britannia* (11-UKCS/1165)**
Britannia Operator Ltd reported an incident involving an ongoing release from the Britannia installation of **17,210 kg** of Castrol Transaqua HT from 1 January 2008 to 15 May 2008 due to a fluid leak in the subsea pipework. The well was shut in on 15 May 2008 and remains so. Britannia currently has no plans to reopen the well.
- 3.44 UKCS 25 December: CNR International, *Petrojarl Banff* (11-UKCS/1593)**
CNR International reported an incident involving an ongoing release from the Petrojarl Banff Installation of **10,116 kg** of Aqualink HT804-F from 25 to 31 December 2008. At year-end, CNR continued investigating the leak source and repair options.
- 3.45 UKCS 29 May: Maersk Oil, *Janice Alpha* (11-UKCS/1325)**
Maersk Oil North Sea Ltd reported an incident involving an ongoing release from the Janice Alpha installation of **8,295 kg** of Castrol Transaqua HT2 from 29 May 2008 to 24 June 2008 as a result of an unintentional release of hydraulic fluid from the operation of the subsea valves. The hydraulic line was depressurised to reduce the volume of the leak. The associated well was shut in to rectify the malfunction of the closure mechanism and also to avoid excess loss of Transaqua. A remotely operated vehicle was mobilised to investigate the source cause, and action was taken to prevent further loss.
- 3.46 UKCS 31 August: ConocoPhillips, *Callanish* (11-UKCS/1475)**
ConocoPhillips reported an incident involving an ongoing release from the Callanish installation of **7,000 kg** of methanol from 31 August 2008 to 31 December 2008 due to a damaged gasket in the flanged connection on the methanol header. The gasket has been replaced and the system has been pressure-tested and repair confirmed.

- 3.47 UKCS 01 January: BP, *Petrojarl Foinaven* (11-UKCS/1171)**
BP Exploration Operating Company reported an incident involving an ongoing release from the Petrojarl Foinaven installation of **4.73 tonnes** of crude oil from 1 January 2008 to 4 August 2008 due to a leak in the subsea water injection flowline releasing a mixture of produced water and seawater which contained low concentrations of oil. Various attempts were made to repair the flowline and reduce the leak rate. The leaking section of the flowline was subsequently replaced.
- 3.48 UKCS 01 January: BG Group, *Armada Hub* (11-UKCS/1164)**
BG Group reported an incident involving an ongoing release from the Armada Hub installation of **4,068 kg** of Castrol Transaqua HT2 from 1 January 2008 to 31 December 2008 due to the North West Seymour subsea hydraulic control system. BG investigated the ability of the vessel to support a remotely operated vehicle inspection to determine the actual leakage source and implement repairs.
- 3.49 UKCS 15 August: CNR International, *Petrojarl Banff* (11-UKCS/1455)**
CNR International reported an incident involving an ongoing release from the Petrojarl Banff installation of **3,091 kg** of TEG from 15 August 2008 to 18 August 2008 due to an ongoing leak from the subsea control system.
- 3.50 UKCS 11 May Fairfield Energy, *Dunlin Alpha* (11-UKCS/1306)**
Fairfield Energy Ltd reported an incident involving an ongoing release from the Dunlin Alpha installation of **2,441.6 kg** of methanol from 11 May 2008 to 19 June 2008 due to a failure at the subsea control system resulting in the loss of methanol to the sea. Injection stopped and did not recommence until the line was repaired.
- 3.51 UKCS 06 June: Bridge North Sea, *EnSCO 100* (11-UKCS/1342)**
Bridge North Sea reported an incident involving an ongoing release from the EnSCO 100 mobile drilling unit of **2,305 kg** of Transaqua HT2 from 06 June 2008 to 11 June 2008 due to a suspected leak from the controls system for the subsea hydraulic production/master valve.
- 3.52 UKCS 05 September: Maersk Oil, *GPIII Dumbarton* (11-UKCS/483)**
Maersk Oil North Sea reported an incident involving an ongoing release from the GPIII Dumbarton installation of **2,174 kg** of Castrol Transaqua HT2 from 05 September 2008 to 18 September 2008 due to a problem with the control function of Dumbarton's subsea routing control valve. The leaking connection was found and repaired.

UKCS INCIDENTS NOT PREVIOUSLY INCLUDED IN 2007 REPORT

The following reported UKCS incidents occurred during 2007 but were not previously included in that ACOPS report as they were the subject of a DECC investigation at the time of print. The investigations have now been concluded and details of the incidents are included below.

UKCS 04 April: Venture *Kittiwake*

Venture reported an incident involving a release from the Kittiwake Single Anchor Loading installation of **20 tonnes** of crude oil due to the offloading shuttle tanker sailing over and parting the oil transfer hose.

UKCS 14 March: Oilexco *Sedco 712*

Oilexco North Sea reported an incident involving a release from the Sedco 712 mobile drilling unit of **8,600 kg** of Carbosea oil-based mud during well test operations when a rig mud manifold was misaligned to a mud pump and mud spilled to sea from the starboard flare boom

UKCS 22 March: BP *Clair*

BP Exploration Operating Company reported an incident involving a release from the Clair installation of **4,300 kg** of Carbosea oil-based mud during a bunkering operation due to the failure of a coupling on the hard piping between the loading station and the mud pits.

SECTION 4

ENUMERATION AREA SUMMARY REPORTS

- 4.1 North-east England
- 4.2 Eastern England
- 4.3 Essex & Kent
- 4.4 Southern England
- 4.5 South-west England
- 4.6 Bristol Channel & South Wales
- 4.7 Irish Sea
- 4.8 Western Scotland
- 4.9 Orkney & Shetland Islands
- 4.10 Eastern Scotland
- 4.11 UKCS (oil & gas installations; vessels)

4.1 North-east England (Northumberland, Tyne & Wear, Durham, Yorkshire and The Humber)

- 4.1.1** Reporting organisations identified 10 pollution incidents attributed to vessels during 2008 compared with 15 incidents during 2007. Seven recorded incidents were in ports and harbours and the remainder in the open sea. The polluting substances reported included fuel oils, lubrication oil and 2 chemical compounds in quantities ranging from 5 litres to 7 tonnes.
- 4.1.2** PD Teesport submitted details of 3 pollution incidents attributed to vessels during 2008. Whilst engaged in a bunkering operation the trailing suction hopper dredger *WD Medway II* (4,376 dwt, built 1976) spilt 50 litres of diesel oil on 11 February. The deck cargo vessel *Louise Dev* was identified as the source of another 50-litre diesel spill on 6 June and a clean-up operation was completed. Later in the year approximately 2 tonnes of aniline (UN Number 1547) were accidentally discharged into the River Tees from the chemical products tanker *Georg Essberger* (5,738 dwt, built 2004).
- 4.1.3** Elsewhere small oil spills were recorded in the ports and marinas at Amble, Tyne, Goole and Immingham. The 8-metre charter vessel G Fisher II sank in the Amble Marina on 23 April causing a 10-litre spillage of diesel. An absorbent boom was deployed and the vessel was later raised and lifted ashore. The Port of Tyne Authority recorded a 5-litre diesel spill from a rigid-hulled inflatable boat (RHIB) engaged in a refuelling operation on 24 September. A leaking stern tube was identified as the source of a minor incident in Goole Dock on 1 April. Absorbent booms were deployed following a 35-litre spillage of gas oil from the MV Mel Kat 2 engaged in a bunkering operation at Immingham Dock on 8 August.
- 4.1.4** In the open sea the crude oil shuttle tanker *Navion Fennia* (51,136 gt, built 1992) reported a chemical spill of 7 tonnes of foam condensate from a wave damaged container on 31 January. Tank washings from an unidentified vessel operating off the River Humber Estuary were believed to have been the source of a patch of diesel oil reported on 18 February.
- 4.1.5** In addition Coastguard teams from Newbiggin, Blyth, Tynemouth and Sunderland investigated RSPCA and North Tyneside Council reports of seabirds washed ashore covered in crude oil during the first week of October. They were unable, however, to identify the source of a discharge offshore or any oil ashore within their respective areas. Surveillance flights were tasked to the area and were unable to detect any pollution at sea. During the same week Royal Society for the Protection of Birds (RSPB) and Scottish Society for the Protection of Animals (SSPCA) reports noted that at least 100 oiled seabirds with a small quantity of weathered oil were washed ashore between Dunnet Head and Duncansby Head in Caithness. The 2 incidents may have been related (Refer to **4.10.5**).

4.2 Eastern England (Lincolnshire, Norfolk & Suffolk)

- 4.2.1** Five incidents were recorded during 2008 compared with 15 incidents during the previous year. Only a single discharge was reported in the ports and harbours of eastern England during 2008 with 4 references to sightings of surface oil in the open sea. Accidental discharges from offshore oil & gas installations operating off eastern England were included in the statistics for the UKCS (Refer to **4.11**).
- 4.2.2** The Port of Boston Authority identified a fishing vessel alongside a riverside quay as the likely source of a small diesel discharge on 15 August. The pollution was quickly dispersed by tidal action and no further actions were required.
- 4.2.3** In the open sea the *GSF Monarch* installation reported 3 heavy fuel oil sheens on 13 May with the largest extending for more than 2 km. The *Sole Pitt Clipper* installation reported a vegetable oil sheen which was attributed to an unidentified passing vessel. On 9 October a Danish military aircraft reported sighting a large oil sheen extending for 30 km across the Median Line into both the UK and Dutch sectors of the southern North Sea. All were believed to have broken up and dispersed before reaching the shoreline.
- 4.2.4** The Suffolk Joint Emergency Planning Unit and the Harwich Haven Authority described a dark patch of oil with an estimated volume of 10 litres which was attributed to a discharge from an unidentified vessel operating in the approaches to Harwich Harbour.
- 4.2.5** An MCA press release described an incident in which military marine marker flares were recovered on beaches in the Theddlethorpe area of Lincolnshire during May.

4.3 Essex and Kent

- 4.3.1** Ten oil discharges from vessels were recorded by reporting organisations during 2008 compared with 3 during 2007. Three spills occurred in ports and harbours, 6 in the open sea or estuaries and one beach pollution incident was reported. The source of pollution was identified on 5 occasions and there were 5 references to fuel oils as polluting substances.
- 4.3.2** Three reporting organisations submitted details of a 5-litre gas oil discharge from the chemical/oil products tanker *Smeraldo* (4,896 gt, built 1998) alongside Parkeston Quay Berth 6 on 23 June. The accidental discharge occurred after a line washing operation; the oil was quickly dispersed by evaporation and tidal action.
- 4.3.3** Peel Ports Medway provided details of 2 minor oil spills. On 20 October a fishing vessel fell off blocks at the Gillingham Pier Slip causing a 4-litre spillage of diesel into the River Medway. The water injection dredger *Thames Silt* was identified as the source of an accidental 5-litre diesel discharge into the Collier Dock on 14 November. The dock was boomed off and the oil

recovered from the water surface. The EA described a very minor diesel spillage from a pleasure craft operating in the River Blackwater.

4.3.4 Four POLREPS referred to confirmed sightings of rainbow sheens in the Dover Strait and all were attributed to unidentified vessels. The largest sheen was reported on 22 July and extended for more than 11 km. Approximately 300 litres of diesel oil were spilt from the damaged cargo/training vessel *Scot Isles* (2,595 gt, built 2001) following a collision with the bulk carrier *Wadi Halfa* 40 km north-west of Dunkirk on 29 October (*Lloyd's List*, 3 November).

4.3.5 During the third week of February isolated patches of thick tarry oil with at least 100 oiled seabirds were washed ashore along the East Kent coastline between Deal and Folkestone. Aerial surveillance flights were unable to detect any pollution at sea and oil samples were taken by local coastguards. During the incident clean-up operations were carried out over a 4-day interval in the Shepway District Council area resulting in the collection and disposal of approximately 1.5 tonnes of oil mixed with debris.

4.3.6 The services of a waste disposal contractor were required by Canterbury City Council to safely remove and dispose of the contents of 2 unmarked chemical drums recovered on North Kent beaches during April.

4.4 Southern England (East and West Sussex, Hampshire, Dorset and the Isle of Wight)

4.4.1 Reporting organisations identified 20 pollution incidents attributed to vessels during 2008 compared with 24 incidents during 2007. Fourteen recorded incidents were in ports and harbours and there were 6 references to oil discharges from shipping in the English Channel. A source of pollution was identified on 15 occasions including 9 pleasure craft, 2 fishing vessels, 2 general cargo vessels, an oil tanker and a small military vessel.

4.4.2 The largest oil spill of 118 tonnes of fuel oil was an accrued total over the year from the wreck of the Greek-flagged general cargoship *Ice Prince* (6,467 gt, built 1990) which sank during a storm in the English Channel on 15 January. Surveillance flights identified a number of surface oil slicks and sheens in the vicinity of the wreck position during January, February, November and December. All were broken up and dispersed by wave action with no confirmed reports of any oil arriving ashore. A subsequent salvage operation removed an estimated 307 tonnes of bunkers from the ships tanks.

4.4.3 Most of the deck cargo of 2,516 tonnes of packaged untreated sawn timber broke free from the vessel when it sank and was subsequently washed ashore mainly along the Sussex coastline but as far east as Dover. A contractor was appointed to recover timber washed ashore and over a period of months most was removed from beaches and recycled. However, in some locations where access was difficult the timber was eventually disposed of by burning in situ (*Lloyd's List*, 15, 16, 17, 18, 22, 23, 30 & 31 January, 28 February, 20 March, 21 May).

- 4.4.4** Another 5 surface sheens were detected during surveillance flights over the English Channel during the year and all were attributed to unidentified vessels.
- 4.4.5** Elsewhere, oil discharges resulting mainly in light surface sheens were reported in local ports and harbours at Chichester, Fawley, Lymington, Poole, the Solent and Weymouth. Chichester Harbour Conservancy, Lymington Harbour Commissioners and the Weymouth Port Authority submitted a total of 10 reports describing minor diesel sheens from pleasure craft and a single fishing vessel and all were quickly dispersed by tidal action. Poole Harbour Commissioners submitted details of 2 minor diesel spills which were attributed to a small military vessel at the Royal Marines Base and the MFV *Le Belhara*. Clean-up operations were completed after each spill.
- 4.4.6** The Ro-Ro MV *Anatoliy Kolesnichenko* (18,574 gt, built 1985) spilt 100 litres of fuel oil during a bunkering operation in the Solent on 29 April. Some of the oil was later washed up along a 1.6 km stretch of shoreline in Stokes Bay where it was collected, bagged-up and disposed of by Gosport Borough Council and EA workers. There was no evidence of any damage to local wildlife (*Lloyd's List*, 6 May).
- 4.4.7** A defective valve seal and a hydraulic failure were identified as the causes of a 5-litre crude oil spill from the MTANKER *Genmar St. Nikolas* (149,876 dwt, built 2008) at Esso's Fawley Terminal on 8 October. The oil was immediately boomed off and removed from the water surface.
- 4.4.8** Three Havant Borough Council reports referred to individual 20-litre drums being recovered from local beaches during January and April.
- 4.5 South-west England (Devon, Cornwall, Isles of Scilly, Channel Islands and the Western Approaches)**
- 4.5.1** Twenty-seven vessel-source pollution incidents were identified by reporting organisations during 2008 compared with 24 incidents during 2007. Thirteen discharges occurred in local ports and harbours, 9 in the open sea, 4 in nearshore waters with a single reference to a beach pollution incident. A source of pollution was identified on 16 occasions and 20 reports referred to different types of fuel oils.
- 4.5.2** In the open sea details of 8 oil discharges and a suspected chemical discharge from vessels were provided by POLREPS and Cornwall County Council reports. Two of the surface sheens extended for more than 1.6 km and all were broken up and dispersed by wave action. The Type 23 Duke Class Frigate HMS *Iron Duke* (built 1991) accidentally discharged 15 litres of aviation fuel off Plymouth on 14 March. A suspected chemical sheen extending for 30 km was detected during a routine aerial surveillance operation on 25 April. A diesel sheen was reported on the 29 May after the wooden-hulled gill netter MFV *Girl Patricia* (84gt, built 1969) foundered 45 km north-west of Lands End (*Lloyd's List*, 2 June).

- 4.5.3** Four oil discharges were recorded in the bays or nearshore of south-west England and a source of pollution was reported on 2 occasions. A second Duke Class Type 23 Frigate, HMS *Westminster*, was identified as the source of a 100-litre diesel spillage on 20 January. Sea boats were launched from the warship to break up the pollution and no further actions were required. Approximately 225 litres of fuel oil were spilt from the bunkering tanker *Whitstar* (1,116 gt, built 1968) off Falmouth on 22 February. A clean-up operation was completed with the aid of a boom and absorbent materials.
- 4.5.4** Elsewhere, oil spills were recorded in ports and harbours at Brixham, Falmouth, Fowey, Penryn and Plymouth. Soakaway mats were successfully deployed in a clean-up operation following a 50-litre diesel spillage from the coaster MV *Ardent* (499 gt) at the Eastern Arm in Brixham Harbour. Fowey Harbour Commissioners submitted detailed accounts of 2 oil discharges attributed to pleasure craft and clean-up operations were completed after each.
- 4.5.5** Six oil pollution incidents were recorded by Falmouth Harbour Commissioners during 2008. Four incidents were attributed to pleasure craft and involved minor diesel sheens which were quickly dispersed by tidal action. On 25 February the MV *Jet* was identified as the source of an IFO spill during a bunkering operation and the owners of the vessel were later fined £8,848 for the offence. The sixth incident occurred on 26 October following a 200-litre heavy fuel oil spill in Falmouth Bay from the MTANKER *Assos*. At least 90% of the spilt oil was subsequently recovered by contractors during a clean-up operation. Following a case brought by the Falmouth Harbour Commissioners the Cambourne Magistrates' Court imposed a fine of £10,000 on the owners of the vessel together with legal costs of £8,863 and clean-up costs of £27,000.
- 4.5.6** A POLREP and Plymouth City Council report referred to a 7-tonne diesel spillage from the MFV *Wiron One* berthed at Victoria Wharves in Plymouth's Cattewater Harbour on 16 October. A Tier Two counter-pollution response was initiated in which a boom and absorbent pads were deployed. Five oiled swans were rescued and were later released. A subsequent investigation discovered that the discharge occurred after the vessel's engineer fell asleep during a fuel transfer operation.
- 4.5.7** Following a case brought by the EA, a Plymouth Magistrates' Court imposed a fine of £20,000 on the owners of the vessel, Interfish Limited, and ordered the company to pay £3,000 costs. In addition, the vessel's engineer was fined £1,500 and ordered to pay £700 costs. During the legal proceedings it was noted that the EA had formally warned the company after a similar but smaller pollution incident in 2007. It was also noted that following the latest incident the company had installed failsafe alarms on its vessels which automatically switch off pumps and thereby prevent fuel tank overflows.
- 4.5.8** A further 120 litres of gas oil were accidentally discharged into Plymouth's Sutton Harbour from the beam trawler *Margaret of Ladram*. The discharge occurred during a bunkering operation and a clean-up was completed by harbour staff with all costs passed on to the fishing vessel's owners.

- 4.5.9** During April small lumps of oil and tar were washed ashore along the entire length of the beach at Trevaunance Cove in Cornwall; no further details were available at the time of reporting. North Cornwall District Council's Beach Ranger Service drew attention to the ongoing problem of marine debris washed up on local beaches throughout the year. A database on spatial and temporal variations has been established and discharges of garbage from all types of vessels are believed to be one of the principal sources.
- 4.5.10** The Council of the Isles of Scilly noted that the remnants of a lost cargo of plastic drip-bags and their refrigerated containers remained in evidence on beaches across the islands during 2008 (Refer to **4.5.11 2007 Annual Report**). Two further incidents were reported by the Council involving recovery and disposal of single drums filled with oil and one was found to be in a leaking condition.
- 4.5.11** The MV *Gerd Sibum* (3,999 gt, built 1998) lost a number of containers overboard after encountering severe weather in the Celtic Sea on 10 January. During another storm on 1 February the fully cellular refrigerated MV *Horncliff* (12,887 gt, built 1992) lost overboard about ninety 40-foot containers filled with fruit in a position 360 km west-south-west of the Isles of Scilly. Coastguards later issued a warning of the danger to shipping from any containers remaining afloat or partially submerged in the south western approaches (*Lloyd's List*, 5 February).
- 4.5.12** Between January and August 2008 the remaining aft portion of the containership *MSC Napoli* off Sidmouth was identified as the source of 9 oil sheens with a combined estimated volume of 13.6 tonnes. The statistics have not included in this report because a detailed account of the incident was provided in the 2007 report (Refer to **4.5.2 – 4.5.8 2007 Annual Report**).
- 4.6 Bristol Channel and South Wales (Somerset, Bristol, Gloucestershire, Monmouthshire, Newport, Cardiff, Vale of Glamorgan, Bridgend, Neath Port Talbot, Swansea, Carmarthenshire and Pembrokeshire)**
- 4.6.1** Nine accidental oil discharges from vessels were reported during 2008 compared with 17 discharges during the previous year. All the incidents occurred within Milford Dock or Milford Haven and the source of pollution was identified on each occasion. Estimated volumes were provided for each of the discharges and the median volume was 3 litres, compared with 5 litres during 2007. Individual spill volumes ranged from 1 litre to 20 litres and clean-up operations were required on 5 occasions.
- 4.6.2** The largest spill of 20 litres of diesel oil occurred on 4 August after a workboat sank alongside a moored barge and a clean-up was completed. The inshore fishing vessel *Samantha Kay* sank on its moorings on 21 May causing a 10-litre diesel spillage. Another 5 litres of diesel were spilt on 3 April from a work boat following a bunker hose failure.
- 4.6.3** The Swansea Bay Counter Pollution Group, Carmarthenshire County Council and EA Wales drew attention to significant quantities of medical supplies

washed ashore on some beaches in Carmarthen Bay and along the Gower Peninsula during the first quarter of the year. The materials were subsequently traced to cargo lost overboard from the MV *Endeavor* near the Seven Stones Reef on 10 December 2007 (Refer to **4.5.11 2007 Annual Report**).

4.6.4 Waxy blocks of steric acid and yellow fatty acid globules were also washed up on some Pembrokeshire beaches and were subsequently collected and removed from the shoreline with the medical supplies. Mid- and West Wales Fire and Rescue responded to an incident on 3 February in which a leaking tank container (20 metres by 10 metres) partly filled with acetic anhydride (UN Number 1715, Class 8, Packaging Group II) was washed ashore onto a rock platform near Worms Head.

4.7 Irish Sea (Ceredigion, Gwynedd, Isle of Anglesey, Conwy, Denbighshire, Flintshire, Merseyside, Lancashire, Cumbria, Isle of Man and all Districts of Northern Ireland)

4.7.1 Respondents identified 10 oil discharges from vessels during 2008 compared with 19 discharges during the previous year. The sources of discharges were identified on 7 occasions including 2 tugs, a dredger, a fishing vessel, a ferry, a general cargo vessel and a pleasure craft. Details of any accidental spills from oil and gas installations operating in Morecambe Bay are included in the statistics for the UKCS (Refer to **4.11**).

4.7.2 The Ro-Ro ferry *Riverdance* (6,041 gt, built 1977) went aground on the foreshore at Anchorsholme Beach at Cleveleys on 31 January after losing its main propulsion when hit by a freak wave. The ferry was in passage from Warren Point to Heysham carrying a cargo of scrap metal, timber and peat compost. Initially attempts were made to refloat the vessel but these failed because of adverse weather and tidal conditions. At a meeting attended by Seatruck Ferries (the vessel's owners), insurers and the MCA it was decided to dismantle the ship in situ on the grounds that this was the best option available in the interests of safety and protecting the marine environment. The Environment Group, Marine & Fisheries Agency, Natural England and other parties also supported this option.

4.7.3 The operation to dismantle the vessel commenced in May and was completed by the end of November. Cargo, trailers, machinery and pollutants, including 100 tonnes of IFO and 50 tonnes of diesel, were systematically removed whilst maintaining the integrity of the hull. The hull was then cut into manageable pieces and transported for recycling. All work was completed without any loss or damage to the local environment. The Secretary of State's Representative for Maritime Salvage and Intervention (SOSREP) was involved in all stages of the operation.

4.7.4 A small amount of oil leaked from the hull of the ferry on 10 February, and absorbent pads were deployed to combat any resulting pollution. As a precautionary measure the County Oil Pollution Plan was activated and oil spill responders Gulf Offshore were onsite with booms in place until all threats had passed. Various types of cargo debris were strewn on the beach, including

thousands of packets of chocolate biscuits. Contractors regularly patrolled the beach and removed and disposed of any waste and on completion of the wreck removal operation the whole area was scanned to ensure that no debris remained (*Lloyd's List*, 4, 5, 6, 8, 12, 19, 22, 26, 28 February, 10, 18, 20 March, 11, 21, April, 7 May, 2 & 19 June, 16 July, 19 August and 24 October).

4.7.5 In a second pollution incident caused by a vessel-casualty, the hopper dredger *Abigail H* (325 gt, built 1958) took on water and sank on her Heysham moorings on 2 November. Initially the vessel began leaking a small quantity of diesel oil which was contained by the deployment of absorbent booms. In a salvage operation 4 tonnes of fuel and other pollutants were removed and the vessel raised and refloated without any obvious environmental damage (*Lloyd's List*, 4, 10, 18, 28 November).

4.7.6 Elsewhere oil spills were recorded in local ports and harbours at Ardglass, Holyhead, Londonderry, Maryport and Workington. The Northern Ireland Environment Agency provided details of a minor spill from a fishing vessel in Ardglass Harbour on 11 January. The Port of Londonderry's Oil Spill Response plan was put into action following an accidental discharge of lubrication oil from the MV *Ballyhealy* (1,949 gt, built 1981) on 16 January. A POLREP and an EA report referred to a 35-litre diesel oil spill from an unidentified vessel at Maryport on 4 November.

4.7.7 Two incident reports were submitted by the Port of Workington during 2008. Absorbent pads and a skimmer were deployed in a clean-up operation following a 500-litre diesel spillage from the MTUG *Multratug 7* (369 gt, built 1977) on 22 July. The cause of the incident was later identified as a tank overflow into a ventilation pipe during a fuel transfer operation. All clean-up costs were met by the vessel's owners. The second incident occurred on 29 August following a 200-litre oily bilge water discharge from the MTUG *Union Sapphire* (built 2001). Both vessels were engaged in a windfarm construction project in the Solway Firth.

4.7.8 Two small oil sheens were reported in the open sea during April and both were dispersed by wave action.

4.8 Western Scotland (Dumfries and Galloway, Ayrshire, Inverclyde, Argyll & Bute and the Highlands & Islands Region to Cape Wrath)

4.8.1 Reporting organisations submitted details of 16 vessel-source pollution incidents compared with 22 during the previous year. Eleven incidents were reported in local ports or harbours and fishing vessels were identified as the source of pollution on 12 occasions. Further analysis of the information contained in annual returns showed 10 oil spills following vessel-casualties, 2 more than the total for 2007. Although there were no references to any successful prosecutions brought by the competent authorities against alleged offenders the costs of clean-up operations and related activities were often charged to the owners of vessels.

- 4.8.2** Diesel oil was reported seeping from an 18-metre decommissioned fishing vessel which sank alongside Port Ardyne Pier on 9 January. A small oil sheen was reported after the MFV *Sea Poy* sank in Irvine Harbour on 23 January. The MFV *Llaminos* went aground and later sank alongside Leverburgh Pier on 26 January causing a 300-litre diesel spillage. The Western Isles Council Pollution Team carried out a clean-up operation using an absorbent boom to contain the pollution but some oil did arrive ashore.
- 4.8.3** The UK-registered Spanish-owned deep-sea longliner *Spinningdale* (169 gt, built 1968) ran aground during a storm in Village Bay, St Kilda on 1 February. The hull of the fishing vessel was breached and, initially, approximately 8 tonnes of diesel oil escaped to sea and was quickly broken up and dispersed by wave action. A salvage plan was agreed with the owner of the island, The National Trust for Scotland, which ensured that seabird populations inhabiting the World Heritage Site were protected from fuels, chemicals and equipment which could cause them harm. The first stage of the salvage operation commenced at the end of March and was completed before the onset of the seabird breeding season (*Lloyd's List*, 4, 5, 7, 15, 20 & 26 February, 20, 26 & 31 March, 25 July).
- 4.8.4** A Scottish Environment Protection Agency (SEPA) report referred to a diesel spill from a sunken fishing vessel at Miavaig, Isle of Lewis, on the 23 April. During the following month the MFV *Bountiful* (93 gt, built 1989) ran aground near Troon Harbour and a small diesel sheen from bilge water was observed trailing behind the vessel (*Lloyd's List*, 27 May). A POLREP provided details of an incident in which a light sheen of fuel oil was observed seeping from a sunken decommissioned fishing vessel at Port Bennatyne, Isle of Bute, on 24 July.
- 4.8.5** High winds caused the MFV *Argus* to break free from her moorings and run aground at Plockton Bay at Wester Ross on 25 October. Approximately 150 litres of diesel oil leaked from the submerged vessel and was dispersed by wave action. After taking in water the wooden-hulled MFV *Faithful Friend II* (built 1970) sank near Bayble Island, Isle of Lewis, on 6 November. Some surface oil was observed which later arrived ashore (*Lloyd's List*, 7 November). Booms and absorbent matting were deployed in a clean-up operation after the MFV *Amanda B* sank in Portree Harbour on 12 November. The costs of the clean-up operation were charged to the owner of the vessel.
- 4.8.6** A loose connection caused a 90-litre bunkering spill from the Caledonian MacBrayne Ro-Ro ferry MV *Isle of Arran* (3,296 gt, built 1984) at Kennacraig on 6 July. Another Caledonian MacBrayne ferry, the MV *Saturn* (851 gt, built 1977), reported a 500-litre fuel oil spillage in Ardrossan Harbour on 26 July. The Clydeport Counter Pollution Team set up booms following a 30-litre diesel spill from the bunkering tanker *Lizrix* (1,300 gt, built 2008) on 28 August. A slight surface sheen resulted from a 2-litre hydraulic oil spill from the Land Ship Dock RFA *Mounts Bay* (23,569 gt, built 2004) operating near the Isle of Ewe on 27 October.

4.9 Orkney and Shetland Islands

- 4.9.1** Six oil pollution incidents attributed to vessels were reported during 2008 compared with 3 incidents during 2007. The reported sources of discharges included 2 fishing vessels, an oil tanker, a general cargo vessel and a cruise liner. Accidental spills from oil installations operating in the West Shetland Basin were included in the statistics for the UKCS (Refer to **4.11**).
- 4.9.2** A light diesel sheen was observed after the MFV *Excelsior* ran aground and sank near Mull Head, Orkney, on 30 January. The cruise liner *Minerva* was identified as the source of a 10-litre diesel spill whilst alongside Hatston Pier in Kirkwall Harbour. A clean-up operation was completed using absorbents and all costs were passed to the vessel.
- 4.9.3** The Lerwick Harbour Authority reported 2 oil pollution incidents. On 4 February the MFV *Carlton* spilt approximately 100 litres of diesel during a bunkering operation. A further 30 litres of marine gas oil were accidentally discharged overboard from the general cargo ship *Annette LAGC5* (8,919 gt, built 2003) during another bunkering operation and as a precautionary measure absorbent booms were placed alongside the vessel.
- 4.9.4** A report submitted by the Shetland Islands Council noted a small hydraulic oil discharge from the MTANKER *Overseas London* (152,923 dwt, built 2000) at the Sullom Voe Terminal on 10 February. The resulting surface sheens were rapidly broken up and dispersed by a pollution response craft. On 3 July a light sheen with heavy deposits was sighted off Sumburgh Head in the open sea.

4.10 Eastern Scotland (the northern and eastern shores of the Highlands and Islands Region from Cape Wrath, Moray, Aberdeenshire, Angus, Fife, Lothian and Scottish Borders)

- 4.10.1** Thirty-one discharges from vessels were recorded by reporting organisations during 2008 one more than the previous year's total. Analysis of incidents by marine environmental zones showed 24 spills occurred in ports and harbours, 6 in the open sea or nearshore waters, and one beach pollution incident was reported. The source of the pollution was identified on 24 occasions, of which 10 were fishing vessels and 8 were support vessels, and there were 18 references to fuel oils as polluting substances. No details were provided by respondents of any successful prosecutions brought by the competent authorities during 2008.
- 4.10.2** Four surface oil sheens or slicks were reported in the open sea during 2008 and in each incident the pollution was broken up and dispersed by wave action and posed no threat to the shoreline. The MFV *Fisher Boys* (152 gt, built 1980) sank off Fraserburgh on 11 January after taking on water and a small patch of diesel was later observed near the wreck site (*Lloyd's List*, 16 January). The standby-safety vessel *Viking Iona* (1,444 gt, built 1977) was identified as the source of a 200-litre accidental discharge of light oil in the North Sea off Kinnaird Head on 3 March. A crack in a bilge tank was identified as the cause of the discharge.

- 4.10.3** On 22 May an RAF helicopter reported an oil slick extending for approximately 200 metres near Bell Rock and the source was believed to have been tank washings from an unidentified passing vessel. Another helicopter reported sighting a light rainbow sheen extending for more than 17 km, with an estimated volume of 220 litres, in the vicinity of the Buzzard Platform on 4 September. Subsequent investigations indicated that the pollution had not originated from any nearby oil installations. The fourth oil slick in the open sea was sighted off Fraserburgh on 25 September and was attributed to a discharge from an unidentified passing vessel.
- 4.10.4** In nearshore waters the 25-metre creel boat *Northern Star* sank outside the entrance to Arbroath Harbour on 22 January. Approximately 90 litres of diesel oil escaped to sea and some pollution was later reported ashore. A slight oil sheen and wreckage were washed ashore after a wooden-hulled decommissioned fishing vessel broke up off Sarclet Haven on 17 August.
- 4.10.5** POLREPS and SSPCA reports described an incident during the first week of October in which small amounts of oil were washed ashore at Gills Bay. Over the same time interval at least 100 oiled seabirds were found over a larger stretch of coastline between Dunnet Head and Duncansby Head. Local coastguards inspected several beaches in the area but were unable to find any evidence of pollution. During the same week seabirds covered in crude oil were also reported ashore in north-east England (Refer to **4.1.5**).
- 4.10.6** Aberdeen Harbour Board provided details of 8 oil and 3 chemical spills from vessels during 2008. Estimated volumes were provided for each spill and the median volume was 5 litres compared with 12.5 litres from 6 oil spills during the previous year. A burst hose connecting to a shoreside facility was identified as the cause of a 25-litre oil-based mud spill from the MSV *Northern Gambler* (3,041 gt, built 1996) on 20 May. The offshore support/dive vessel *Seawell* reported a 25-litre spillage of base oil during a hose transfer at the Albert Quay on 8 July.
- 4.10.7** A clean-up operation was completed following a 10-litre spillage of diesel from the product tanker *Audacity* (3,778 dwt, built 1997) on 30 June. The supply vessel *Caledonian Victory* (5,729 gt, built 2006) lost control and careered into several small craft at the Commercial Quay on 10 September causing a diesel spill from the badly damaged PC *Alata* (*Lloyd's List*, 15 September). Seven smaller spills of between 1 and 7.5 litres in volume were attributed to 5 supply/standby vessels, a dive support vessel and an oil products tanker.
- 4.10.8** Details of 3 vessel-source pollution incidents were provided by the Peterhead Port Authority. The MFV *Golden Gain* spilt 150-litres of diesel oil on 5 May and a clean-up operation was completed within a few hours. On the same day a small quantity of diesel was discharged during an operation to refloat the MFV *Courageous* after the vessel ran aground within the harbour. Booms were deployed to remove a small quantity of red diesel near the Asco Base on 12 May.

4.10.9 Elsewhere reporting organisations recorded 9 minor oil spills in ports and harbours at Avoch, Buckie, Burghead, Dundee, Grangemouth, Montrose, Rispond and Skateraw. A warning letter was sent to the owner of the MFV *Pegasus* following a 30-litre diesel spill in Burghead Harbour on 14 September. Forth Ports provided details of an incident at Grangemouth Docks after the general cargo ship *Thea B* accidentally discharged a small quantity of oil-contaminated ballast water. The Montrose Port Authority and SEPA provided details of a clean-up operation to remove a thick slick of red diesel which had been discharged overnight by an unidentified vessel. On 22 March the RNLi lifeboat *Sir Ronald Pechell* broke its mooring and was swept onto rocks in Skateraw Harbour causing a minor diesel spillage (*Lloyd's List*, 25 March).

4.11 United Kingdom Continental Shelf

4.11.1 The discharge statistics for this enumeration area were compiled from POLREP reports submitted by the MCA and PON1 reports submitted by DECC. Operators are required to notify DECC where an unauthorised discharge of oil or chemical to sea, regardless of volume, has occurred. Each discharge is reported on a Petroleum Operations Notice No1 (PON1) to DECC and MCA.

4.11.2 DECC reviews every PON1 which is received in order to assess the potential for environmental impact and any counter-pollution response actions. In addition each incident reported is reviewed to ensure actions are being undertaken to prevent recurrence and to assess whether there has been any contravention of legislation. This is undertaken in accordance with DECC's investigation and enforcement policies.

4.11.3 Separate data sets have been presented for accidental discharges attributed to offshore oil and gas installations and for discharges attributed to vessels, whether identified or not, operating within the UKCS area (Refer to **Figure 2**).

Oil and gas installations

4.11.4 All accidental/unplanned discharges or spills of oil or chemicals, regardless of volume, must be notified to the relevant authorities. Accidental discharges may take place over a significant period of time. In some cases it may be many months before remedial work can be undertaken due to the timescales involved in sourcing equipment to carry out the work. Environmental risk assessments have shown that these events, which are normally of relatively small volume, usually cause negligible impact to the marine environment. Details of all discharges, including a cause when known, are listed in **Appendix 1** (UKCS oil & gas installations). Further information is provided in **Section 3** for those spills of 2 tonnes or more.

4.11.5 A total of 272 accidental oil discharges were attributed to oil and gas installations during 2008 including those operating in the west Shetland Basin, Liverpool Bay and off the coast of eastern England. The 2008 annual total was 8 fewer than the mean annual total of 280 accidental oil discharges reported between 2000 and 2007.

- 4.11.6** Analysis of oil types showed that 30% of reported discharges were identified as fuel oils, followed by 29% for crude oils and 26% for lubrication and hydraulic oils. Estimated volumes for 269 oil spills were reported and of these 94% were less than 455 litres.
- 4.11.7** Aberdeenshire and Moray Councils reported intermittent beach pollution following 2 crude oil spills from the *Beatrice Alpha* installation on 24 April and 3 June. On 2 May a remote-sensing aircraft from the MCA surveyed the area and detected crude oil residues on the foreshore but not in the open sea. All accessible areas were cleaned up successfully over 20 days with the assistance of personnel from Talisman Energy.
- 4.11.8** In addition, the authorities were notified of 163 accidental discharges of chemical substances during 2008 compared with 184 discharges during the previous year. These chemicals are routinely used in oil and gas exploration and production operations and included cal acid, ferric sulphate, glycol solutions, hydrochloric acid, methanol and sodium hypochlorite.
- 4.11.9** The estimated volumes of accidental chemical discharges ranged from 0.001 kg to 120,259 kg and 57 discharges were 1 tonne or more. It should be noted, however, that many of the larger discharges occurred over an extended interval and further details are provided in **Section 3**.
- 4.11.10** The PON1 reports again indicated that remedial actions were taken by operators following most accidental discharges. The responses included identification of root causes of spills, improvements in operational control procedures, recommendations concerning preventative actions, and carrying out any necessary repairs and modifications to faulty or damaged equipment.

Vessels

- 4.11.11** A further 26 incidents were identified in POLREPS and PON 1s. Most involved surface sheens or thicker oil slicks reported by the nearest offshore installation but attributed to a discharge from a 'third party' elsewhere which was generally assumed to have been a passing vessel. The estimated volumes, where known, ranged from less than 1 litre to 26 tonnes. In each incident the pollution was believed to have dispersed naturally without posing a threat to wildlife or the coastline.
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SECTION 5: QUALITY ASSURANCE PLAN AND ACKNOWLEDGEMENTS

5.1 Quality Assurance Plan

As part of a comprehensive quality assurance plan data verification procedures were again applied at all stages during the 2008 survey. For example, other sources of information were consulted including the casualty section of *Lloyd's List*, and any relevant reports were cross-referenced with the appropriate questionnaire returns.

The approaches for data entry and analysis were clearly shown in the relevant tables and all entries to the enumeration area sub-sets were subject to independent checking to detect any errors. On some occasions unexpected values were confirmed with the various data sources. Multiple and duplicate reports were again received from DECC and MCA describing accidental discharges from oil and gas installations operating on the UKCS. For the remaining discharges from vessels 26% of individual incident reports were compiled from questionnaire returns submitted by two or more reporting organisations, which was the same percentage as the previous year.

As part of the quality assurance plan the complete database is provided for scrutiny in **Appendix 1** thereby enabling stakeholder groups to determine the reliability and accuracy of the survey results. Furthermore, the annual survey reports are made available to all interested parties through the MCA's website: www.mcga.gov.uk.

5.2 Acknowledgements

The Committee is again grateful to the following public agencies and other organisations and their members for their contributions to the survey:

Association of Sea Fisheries Committees
British Ports Association
Convention of Scottish Local Authorities
Department of Energy and Climate Change
Environment Agency
Local Government Association
Maritime & Coastguard Agency's Counter Pollution and Response Team
Northern Ireland Environment Agency
Royal Society for the Prevention of Cruelty to Animals
Scottish Environment Protection Agency
Scottish Society for the Prevention of Cruelty to Animals

APPENDIX 1

SUMMARY OF REPORTED INCIDENTS

Key to types of vessels

MCT	Chemical tanker
MFV	Fishing vessel
MSV	Offshore supply/standby vessel
MT	Oil tanker
MV	General cargo vessel
PC	Pleasure craft
RFA	Royal Fleet Auxiliary vessel
RHIB	Rigid-hulled inflatable vessel
RO-RO	Roll-on roll-off ferry

1: NORTH-EAST ENGLAND (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
*NE/1599	23-Jan	53-37N: 01-32E	Oil	Gas	10 litres	Unidentified vessel	Reported by the Barque PB installation.
NE/001	31-Jan	55-02N:00-40E	Chemical	Foam concentrate	7 tonnes	MTANKER Navion Fennia	Spill from wave damaged container.
NE/003	11-Feb	Teesport	Oil	Diesel	50 litres	MDREDGER WD Medway II	Bunkering spill, natural dispersion.
NE/004	18-Feb	53-48N: 00-27E	Oil	Diesel	Nk	Unidentified vessel	Reported by MSV Centrica Pride
*NE/294	01-Apr	Goole Dock	Oil	Lubrication	25 litres	General cargo vessel	Leakage from stern tube.
NE/006	23-Apr	Amble Marina	Oil	Diesel	10 litres	PC G Fisher II	Charter vessel sank alongside quay.
*NE/530	06-Jun	Teesport	Oil	Diesel	50 litres	MV Louise Dev	Clean-up completed.
NE/015	08-Aug	Immingham Dock	Oil	Gas Oil	35 litres	MV Mel Kat 2	Bunkering spill, clean-up completed.
*NE/531	19-Aug	Teesport	Chemical	Aniline	2 tonnes	MCTANKER Georg Essberger	Dispersed by tidal action.
*NE/293	24-Sep	Port of Tyne	Oil	Diesel	5 litres	RHIB	Bunkering spill, clean-up completed.

2: EASTERN ENGLAND (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
EE/044	13-May	53-28N: 02-55E	Oil	Fuel	Nk	Unidentified vessel	3 sheens reported by Monarch installation.
*EE/046	August	Port of Boston	Oil	Diesel	Nk	Unidentified vessel	Dispersed by tidal action.
EE/050	09-Oct	52-43N: 03-12E	Oil	Nk	Nk	Unidentified vessel	Slick extending for 30 km.
*EE/069	06-Nov	51-56N: 01-25E	Oil	Nk	Nk	Unidentified vessel	Dispersed by wave action
*EE/1624	13-Nov	53-28N: 01-44E	Oil	Vegetable	Nk	Unidentified vessel	Reported by the Sole Pitt Clipper installation.

3: ESSEX AND KENT (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
EK/071	17-Feb	East Kent	Oil	Tar	Nk	Unidentified vessel	Clumps of tar removed from beaches.
EK/075	29-Feb	51-17N: 01-48E	Oil	Nk	Nk	Unidentified vessel	Sheen dispersed by wave action.
*EK/077	11-Mar	River Blackwater	Oil	Diesel	5 litres	Pleasure craft	Sheen dispersed by tidal action.
EK/079	08-Apr	50-55N: 01-10E	Oil	Nk	Nk	Unidentified vessel	Rainbow sheen extending for 7 km.
EK/600	01-Jun	51-19N: 01-45E	Oil	Nk	Nk	Unidentified vessel	Sheen dispersed by wave action.
EK/084	23-Jun	Parkeston Quay	Oil	Gas	5 litres	MCTANKER Smeraldo	Small slick dispersed by tidal action.
EK/086	22-Jul	51-24N: 02:01E	Oil	Nk	Nk	Unidentified vessel	Sheen extending for 11 km.
*EK/087	20-Oct	Gillingham Pier Slip	Oil	Diesel	4 litres	MFV Capsa	Spill after vessel fell off slipway blocks.
EK/597	29-Oct	51-21N: 2-01E	Oil	Diesel	300 litres	MV Scot Isles	Spill following collision with another vessel.
*EK/090	14-Nov	Collier Dock, R.Medway	Oil	Diesel	5 litres	MDREDGER Thames Silt	Clean-up completed.

4: SOUTHERN ENGLAND (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
SE/121	15-Jan	50-11N: 02-01W	Oil	Fuel	118 tonnes	MV Ice Prince	Cargo shifted causing vessel to list and sink.
*SE/168	29-Jan	Lymington Harbour	Oil	Diesel	2 litres	Pleasure craft	Bilge pump out dispersed naturally.
SE/601	18-Feb	50-37N: 00-43E	Oil	Nk	Nk	Unidentified vessel	Sheen dispersed by wave action.
SE/602	18-Feb	50-09N: 02-00W	Oil	Nk	Nk	Unidentified vessel	Sheen dispersed by wave action.
*SE/128	31-Mar	Poole Harbour	Oil	Hydraulic	Nk	Royal Marine vessel	Clean-up completed.
SE/126	29-Apr	The Solent	Oil	Fuel	100 litres	MV Anatoliy Kolesnichenko	Bunkering spill, clean-up completed.
*SE/169	14-May	Lymington Harbour	Oil	Diesel	2 litres	Pleasure craft	Bilge pump out dispersed naturally.
*SE/129	01-Jun	Chichester Harbour	Oil	Lubrication	3 litres	PC Scott Free	Clean-up completed.
*SE/170	26-Jul	Lymington Harbour	Oil	Diesel	2 litres	Pleasure craft	Bilge pump out dispersed naturally.
*SE/171	02-Aug	Lymington Harbour	Oil	Diesel	2 litres	Pleasure craft	Bilge pump out dispersed naturally.
*SE/172	08-Aug	Lymington Harbour	Oil	Diesel	2 litres	Pleasure craft	Bilge pump out dispersed naturally.
SE/130	13-Aug	Weymouth Harbour	Oil	Diesel	1 litre	MFV Royal Escape	Bilge pump out dispersed naturally.
*SE/133	29-Sep	Poole Harbour	Oil	Diesel	Nk	MFV Le Belhara	Clean-up completed.
SE/134	08-Oct	Esso Fawley	Oil	Crude	5 litres	MTANKER Genmar St. Nikolas	Valve seal failure, clean-up completed.
*SE/173	12-Nov	Lymington Harbour	Oil	Diesel	2 litres	Pleasure craft	Bilge pump out dispersed naturally.
*SE/174	14-Nov	Lymington Harbour	Oil	Diesel	2 litres	Pleasure craft	Bilge pump out dispersed naturally.
SE/604	07-Dec	50-13N: 01-32W	Oil	Nk	52 litres	Unidentified vessel	Sheen dispersed by wave action.
SE/605	07-Dec	50-08N: 02-14W	Oil	Nk	416 litres	Unidentified vessel	Dispersed by wave action.
SE/603	07-Dec	50-09N: 01-34W	Oil	Nk	32 litres	Unidentified vessel	Sheen dispersed by wave action.
*SE/175	31-Dec	Lymington Harbour	Oil	Diesel	2 litres	Pleasure craft	Bilge pump out dispersed naturally.

5: SOUTH-WEST ENGLAND (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
*SW/177	09-Jan	Falmouth Harbour	Oil	Diesel	Nk	Pleasure craft.	Sheen dispersed by tidal action.
SW/179	20-Jan	50-22N: 04-07W	Oil	Diesel	100 litres	HMS Westminster	Clean-up completed.
SW/183	06-Feb	Brixham Harbour	Oil	Diesel	50 litres	MV Ardent	Bunkering spill, clean-up completed.
*SW/185	07-Feb	50-08N: 05-03W	Oil	Fuel	Nk	Unidentified vessel	Slick dispersed by wave action.
*SW/186	22-Feb	50-08N: 05-03W	Oil	Fuel	225 litres	MTANKER Whitstar	Bunkering spill, clean-up completed.
*SW/1635	25-Feb	Falmouth Bay	Oil	Fuel	Nk	MV Jet	Bunkering spill, clean-up completed.
*SW/188	13-Mar	Penryn Jubilee Wharf	Oil	Diesel	Nk	Unidentified vessel	Sheen dispersed naturally.
SW/189	14-Mar	50-18N: 04-18W	Oil	Aviation fuel	15 litres	HMS Iron Duke	Slick dispersed by wave action.
*SW/195	14-Apr	Trevaunance Cove	Oil	Tar	Nk	Unidentified vessel	Band of pollution along entire beach.
SW/193	25-Apr	49-43N: 03-27W	Chemical	Nk	1.08 tonnes	Unidentified vessel	Slick extending for 30 km.
SW/607	26-Apr	49-42N: 03-37W	Oil	Nk	192 litres	Unidentified vessel	Dispersed by wave action.
SW/606	26-Apr	49-39N: 03-50W	Oil	Nk	4.2 litres	Unidentified vessel	Surface sheen dispersed by wave action.
*SW533	12-May	Sutton Harbour	Oil	Gas	120 litres	MFV Margaret of Ladram	Bunkering spill, clean-up completed.
*SW/198	13-May	Falmouth Harbour	Oil	Diesel	Nk	Pleasure craft.	Sheen dispersed by tidal action.
*SW/199	22-May	Fowey Harbour	Oil	Diesel	10 litres	Pleasure craft.	Clean-up completed.
SW/202	29-May	50-19N: 06-18W	Oil	Diesel	200 litres	MFV Girl Patricia	Vessel sank.
SW/207	06-Jun	49-32N: 04-09W	Oil	Nk	27 litres	Unidentified vessel	Sheen extending for 4.9 km.
SW/208	15-Jun	50-34N: 03-27W	Oil	Diesel	Nk	Unidentified vessel	Sheen dispersed by wave action.
SW/209	17-Jun	50-41N: 03-07W	Oil	Nk	Nk	Unidentified vessel	Sheen with thick oil.
*SW/211	19-Jun	50-25N: 04-38W	Oil	Diesel	1 litre	PC Amy James	Bilge pump out, clean-up completed.
*SW/214	24-Jun	Falmouth Harbour	Oil	Diesel	Nk	Pleasure craft.	Sheen dispersed by tidal action.
*SW/216	09-Jul	Falmouth Harbour	Oil	Diesel	Nk	Pleasure craft.	Sheen dispersed by tidal action.
*SW/223	05-Sep	Fowey Harbour	Oil	Diesel	1 litre	PC Candili	Sheen dispersed by tidal action.
SW/608	28-Sep	49-44N: 03-32W	Oil	Nk	Nk	Unidentified vessel	Sheen dispersed by wave action.
SW/224	16-Oct	Cattewater Harbour	Oil	Diesel	7 tonnes	MFV Wiron	Bunkering spill, clean-up completed.
SW/228	25-Oct	50-20N: 03-07W	Oil	Diesel	Nk	Unidentified vessel	Small sheen dispersed by wave action.
SW/226	26-Oct	Falmouth Bay	Oil	Heavy fuel	200 litres	MTANKER Assos	Fuel transfer spill, clean-up completed.

6: BRISTOL CHANNEL AND SOUTH WALES (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
*BC/257	29-Jan	Milford Haven	Oil	Lubrication	3 litres	MTANKER Barents Sea	Leakage from rudder.
*BC/258	30-Jan	Milford Dock	Oil	Diesel	3 litres	MFV De Zwerver	Bunkering spill, clean-up completed.
*BC/259	26-Feb	Milford Haven	Oil	Bilge	2 litres	MFV Doreen Rosa	Dispersed by tidal action.
*BC/262	03-Apr	Milford Haven	Oil	Diesel	5 litres	Work boat	Bunkering spill, clean-up completed.
*BC/263	20-Apr	Milford Haven	Oil	Lubrication	1 litre	MTANKER Bro Globe	Failure of stern shaft seal.
*BC/265	21-May	Milford Haven	Oil	Diesel	10 litres	MFV Samantha Kay	Vessel sank on moorings.
*BC/266	08-Jul	Milford Dock	Oil	Diesel	5 litres	MFV Arhaven Tres	Bunkering spill, clean-up completed.
*BC/268	04-Aug	Milford Haven	Oil	Diesel	20 litres	Work boat	Vessel sank alongside barge.
*BC/269	05-Aug	Milford Dock	Oil	Bilge	1 litre	MFV Kerloch	Dispersed by tidal action.

7: IRISH SEA (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
*IS/317	11-Jan	Ardglass Harbour	Oil	Diesel	Nk	Fishing vessel	Clean-up completed.
*IS/318	16-Jan	Londonderry Port	Oil	Lubrication	Nk	MV Ballyhealy	Clean-up completed.
IS/310	31-Jan	Cleveleys, Blackpool	Oil	Fuel	Nk	Ro-ro MV Riverdance	Wreck removal operation completed.
IS/610	27-Apr	54-00N: 05-17W	Oil	Nk	21 litres	Unidentified vessel	Dispersed by wave action.
IS/609	27-Apr	53-59N: 05-17W	Oil	Nk	1.7 litres	Unidentified vessel	Dispersed by wave action.
*IS/322	22-Jul	Port of Workington	Oil	Diesel	500 litres	MTUG Multratug 7	Fuel transfer spill, clean-up completed.
*IS/324	29-Aug	Port of Workington	Oil	Bilge	200 litres	MTUG Sapphire	Clean-up completed.
*IS/325	13-Oct	Holyhead	Oil	Diesel	Nk	Pleasure craft	Clean-up completed.
*IS/316	02-Nov	Heysham Harbour	Oil	Diesel	Nk	MDREDGER Abigail H	Vessel sank in harbour.
IS/328	04-Nov	Maryport	Oil	Diesel	35 litres	Unidentified vessel	Dispersed by wave action.

8: WESTERN SCOTLAND (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
WS/354	09-Jan	Port Ardyne	Oil	Diesel	Nk	Fishing vessel	Decommissioned vessel sank.
WS/355	23-Jan	Irvine Harbour	Oil	Diesel	25 litres	MFV Sea Poy	Vessel sank in harbour.
WS/356	26-Jan	Port Leverburgh	Oil	Diesel	300 litres	MFV Llamados	Vessel sank alongside pier.
WS/359	01-Feb	57-48N: 08-34W	Oil	Diesel	8 tonnes	MFV Spinningdale	Vessel ran aground.
WS/363	21-Mar	Lochinver Harbour	Oil	Diesel	100 litres	MFV Le Gorpe	Bunkering spill, clean-up completed.
WS/556	23-Apr	Miavaig, Isle of Lewis	Oil	Diesel	Nk	Fishing vessel	Oil leaking from sunken vessel.
WS/368	23-May	55-32N: 04-43W	Oil	Diesel	Nk	MFV Bountiful	Sheen dispersed by wave action.
WS/369	02-Jun	Millport	Oil	Hydraulic	5 litres	Fishing vessel	Sheen dispersed by wave action.
WS/371	06-Jul	Kennacraig	Oil	Gas	90 litres	Ro-Ro MV Isle of Arran	Bunkering spill, oil dispersed naturally.
WS/372	24-Jul	Port Bannatyne	Oil	Diesel	Nk	Fishing vessel	Oil washed ashore.
WS/375	26-Jul	Ardrossan Harbour	Oil	Fuel	500 litres	Ro-Ro MV Saturn	Pollution boomed off and contained.
*WS/537	28-Aug	Clydeport Hunterston	Oil	Gas	30 litres	MTANKER Lizrix	Bunkering spill, clean-up completed.
WS/378	25-Oct	57-20N: 05-38W	Oil	Diesel	150 litres	MFV Argus	Vessel broke moorings and ran aground.
WS/383	27-Oct	57-48N: 05-36W	Oil	Hydraulic	2 litres	RFA Mounts Bay	Light sheen contained.
*WS/595	06-Nov	58-11N: 06-13W	Oil	Diesel	Nk	MFV Faithful Friend II	Vessel sank following ingress of water.
WS/385	12-Nov	Portree Harbour	Oil	Diesel	220 litres	MFV Amanda B	Vessel sank, clean-up completed.

9: ORKNEY AND SHETLAND ISLANDS (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
OS/409	30-Jan	58-59N: 02-43W	Oil	Diesel	Nk	MFV Excelsior	Vessel ran aground and sank.
OS/410	04-Feb	Lerwick Harbour	Oil	Gas	100 litres	MFV Carlton	Bunkering spill, natural dispersion.
*OS/411	10-Feb	Sullom Voe Harbour	Oil	Hydraulic	5 litres	MTANKER Overseas London	Clean-up completed.
OS/416	03-Jul	59-47N: 01-35W	Oil	Nk	Nk	Unidentified vessel	Sheen dispersed by wave action.
*OS/417	08-Jul	Hatston Pier,Kirkwall	Oil	Diesel	10 litres	MV Minerva	Clean-up completed.
OS/420	17-Dec	Lerwick Harbour	Oil	Gas	30 litres	MV Annette	Bunkering spill, natural dispersion.

10: EASTERN SCOTLAND (*Incident not identified by a POLREP)

Reference	Date	Location	Category	Type	Amount	Source	Comments
ES/423	11-Jan	58-06N: 01-20W	Oil	Diesel	Nk	MFV Fisher Boys	Vessel sank in open sea.
ES/424	14-Jan	Montrose Harbour	Oil	Slops	4 litres	MSV Skandi Barra	Clean-up completed.
ES/427	22-Jan	56-33N: 02-35W	Oil	Diesel	90 litres	Creel boat Northern Star	Vessel sank.
*ES/527	15-Feb	Montrose Harbour	Oil	Diesel	20 litres	Unidentified vessel	Clean-up completed.
*ES/429	21-Feb	Aberdeen Harbour	Oil	Hydraulic	1 litre	MSV Highland Spirit	Clean-up completed.
ES/430	03-Mar	58-29N: 01-42W	Oil	Bilge	200 litres	MSV Viking Iona	Crack in bilge tanks.
ES/433	22-Mar	Skateraw Harbour	Oil	Diesel	Nk	RNLI Lifeboat	Vessel broke moorings and ran aground.
*ES/447	05-May	Peterhead Harbour	Oil	Diesel	150 litres	MFV Golden Gain	Clean-up completed.
ES/448	05-May	Peterhead Harbour	Oil	Diesel	Nk	MFV Courageous	Vessel ran aground, minor leakage.
*ES/450	08-May	Aberdeen Harbour	Oil	Waste	7.5 litres	MSV Caledonian Victory	Clean-up completed.
ES/453	12-May	Peterhead Harbour	Oil	Diesel	Nk	Unidentified vessel	Clean-up completed.
ES/455	20-May	Aberdeen Harbour	Chemical	Oil-based mud	25 litres	MSV Northern Gambler	Burst hose, clean-up completed.
ES/457	22-May	56-28N: 02-24W	Oil	Nk	Nk	Unidentified vessel	Suspected tank washings.
*ES/591	03-Jun	Avoch Harbour	Oil	Diesel	Nk	Fishing vessel	Bilge discharge.
*ES/464	08-Jun	Grangemouth	Oil	Diesel	1 litre	MV Thea B	Sheen dispersed by tidal action.
*ES/469	23-Jun	Aberdeen Harbour	Oil	Lubrication	2 litres	MSV Vos Viper	Clean-up completed.
ES/470	30-Jun	Aberdeen Harbour	Oil	Gas	10 litres	MTANKER Audacity	Minor spillage during hose transfer.
ES/472	08-Jul	Aberdeen Harbour	Chemical	Base oil	25 litres	MSV Seawell	Minor spillage during hose transfer.
*ES/474	14-Jul	Aberdeen Harbour	Oil	Gas	5 litres	MFV Tobrach N	Bunkering spill, clean-up completed.
ES/475	24-Jul	Aberdeen Harbour	Oil	Hydraulic	5 litres	DSV Toisa Polaris	Leakage from ROV clean-up completed.
ES/476	24-Jul	Dundee Harbour	Oil	Diesel	Nk	Unidentified vessel	Sheen broken up and dispersed.
ES/481	17-Aug	58-22N: 03-06W	Oil	Diesel	Nk	Fishing vessel	Vessel broke up causing oil sheen.
ES/483	04-Sep	57-46N: 00-49W	Oil	Nk	220 litres	Unidentified vessel	Sheen extending for 17 kms.
ES/485	11-Sep	Aberdeen Harbour	Oil	Diesel	5 litres	PC Alata	Slow leak from sunken craft.
ES/487	14-Sep	Burghead Harbour	Oil	Diesel	30 litres	MFV Pegasus	Clean-up completed.
ES/493	25-Sep	57-42N: 01-53W	Oil	Nk	Nk	Unidentified vessel	Dispersed by wave action.
ES/495	03-Oct	Gills Bay	Oil	Lumps	Nk	Unidentified vessel	Small quantities with oiled seabirds.

ES/390	23-Nov	Rispond Harbour	Oil	Diesel	Nk	MFV Pamelakay	Vessel broke moorings and ran aground.
*ES/498	22-Dec	Buckie Harbour	Oil	Diesel	Nk	Fishing vessel	Minor spill, clean-up completed.
*ES/499	24-Dec	Aberdeen Harbour	Oil	Gas	5 litres	MTANKER Thames Fisher	Clean-up completed.
*ES/500	28-Dec	Aberdeen Harbour	Chemical	Drilling mud	3 litres	Offshore support vessel	Clean-up completed.

11: UKCS OIL AND GAS INSTALLATION ACCIDENTAL DISCHARGES.							
Reference	Date	Location	Category	Type	Amount	Source	Comments
UKCS/1163	01-Jan	60-57N: 00-56E	Chemical	Transaqua	58, 830 kg	Heather Alpha	Cause unknown at time of reporting.
UKCS/1164	01-Jan	57-58N: 01-52E	Chemical	Castrol Transaqua HT2	4, 068 kg	Armada Hub	Subsea hydraulic control system.
UKCS/1165	01-Jan	58-02N: 01-08E	Chemical	Castrol Transaqua HT	17, 210kg	Britannia	Hydraulic fluid leak in pipework entering annulus.
UKCS/1166	01-Jan	58-00N: 00-12E	Chemical	Oceanic HW740R	500 kg	Tweedsmuir	Leak on umbilical hydraulic core.
UKCS/1167	01-Jan	61-16N: 01-36E	Oil	Crude	0.0426 tonnes	Dunlin Alpha	Leak from flange on Osprey PLBM subsea.
UKCS/1168	01-Jan	53-43N: 02-03E	Chemical	Aqualink 300E	1, 520 kg	Ann/Alison	Cause unknown at time of reporting.
UKCS/1169	01-Jan	56-30N: 02-09E	Oil	Diesel	0.01902 tonnes	Fulmar Alpha	Diesel storage leg A1.
UKCS/1170	01-Jan	58-29N: 01-16E	Oil	Brayco Micronic SV/200	1.006 tonnes	Tiffany/Thelma	Hydraulic System serving the xmas trees.
UKCS/1171	01-Jan	60-19N: 04-16W	Oil	Crude	4.73 tonnes	Petrojarl Foinaven	Leak in subsea water injection flowline.
UKCS/1172	04-Jan	58-07N: 01-24W	Chemical	Scale inhibitor	6, 850 kg	Bleo Holm	Drum damage during severe weather.
UKCS/1173	06-Jan	60-56N: 00-49E	Oil	Hydraulic Oil AWS32	0.0035 tonnes	GSF Arctic 2	Leak in hydraulic system.
UKCS/1174	06-Jan	53-57N: 00-35E	Chemical	Oceanic HW540	702 kg	Minerva	Cause unknown at time of reporting.
UKCS/1175	08-Jan	57-27N: 01-28E	Oil	Slop Oil	0.052 tonnes	Montrose	Leak observed from caisson wall.
UKCS/1176	09-Jan	57-40N: 01-08E	Chemical	Oceanic HW443	212.4 kg	Nelson	Excessive wellhead movement during adverse weather conditions.
UKCS/1177	10-Jan	65-02N: 01-42E	Oil	Hydraulic	0.064 tonnes	Brent Alpha	Hydraulic oil released from a hydraulic jack.
UKCS/1178	14-Jan	57-45N: 01-48E	Oil	Unknown	0.0000041 tonnes	GSF Galaxy 1	Fluid from T4z annulus being worked upon.
UKCS/1179	16-Jan	53-32N: 03-35W	Oil	Hydraulic	0.000012 tonnes	Douglas	Small weep of oil from crane roof.
UKCS/1180	16-Jan	58-07N: 01-24W	Chemical	Oceanic HW443	1, 500 kg	Bleo Holm	Subsea hydraulic leak.
UKCS/1181	18-Jan	58-43N: 01-24E	Oil	Diesel	0.0003 tonnes	Miller	Pinhole leak in diesel bunkering hose.
UKCS/1182	18-Jan	59-56N: 01-31E	Chemical	NACL brine	34, 750 kg	Byford Dolphin	Split brine hose.
UKCS/1183	24-Jan	57-18N: 01-40E	Oil	Unknown	0.04 tonnes	ETAP	Source unknown at time of reporting.
UKCS/1184	24-Jan	57:00N: 00-54E	Oil	Crude	0.025 tonnes	Forties Delta	Oil backflow into seawater system.
UKCS/1185	25-Jan	57-45N: 01-48E	Oil	Condensate	0.002 tonnes	North Everest	Worn stem packing on condensate recycle control valve.
UKCS/1186	27-Jan	53-12N: 02-54E	Oil	Hydraulic	0.1275 tonnes	Bessemer	Degradation of o-ring seal in quick exhaust valve.
UKCS/1187	28-Jan	60-56N: 00-49E	Chemical	Oil-based mud	0.1 kg	GSF Arctic 2	Damage to LMRP seal.
UKCS/1188	29-Jan	58-17N: 01-18W	Oil	Produced water	0.017 tonnes	Captain WPP	Overflow of drains tank.
UKCS/1189	30-Jan	57-18N: 01-40E	Oil	Crude	0.000205 tonnes	ETAP	Partial failure of instrument fitting on the grab sampler line.

UKCS/1190	30-Jan	60-42N: 02-33W	Chemical	Versaclean OBM	119 kg	Clair	Hose parting at the break-away coupling.
UKCS/1191	31-Jan	57-42N: 00-36W	Chemical	Enviromul	1, 667 kg	Borgsten Dolphin	Riser slip joint failure.
UKCS/1192	01-Feb	57-00N: 01-18E	Chemical	Aqualink HT804-F	25, 095 kg	Petrojarl Banff	Subsea leak of hydraulic fluid.
UKCS/1193	02-Feb	54-16N: 02-19E	Chemical	Aqualink 300E	42.4 kg	Murdoch	Equipment failure hydraulic umbilical to wellhead subsea templates.
UKCS/1194	02-Feb	61-01N: 03-00W	Chemical	Brine (KCL)	4, 600 kg	Leiv Eiriksson	Faulty seal on valve in mud pit.
UKCS/1195	05-Feb	57-18N: 01-40E	Oil	Crude	0.0004 tonnes	ETAP	Plug from weatherdeck found removed.
UKCS/1196	05-Feb	58-18N: 01-46W	Oil	Hydraulic fluid	0.002 tonnes	Captain WPPA	Hydraulic hose parted on crane hoist.
UKCS/1197	06-Feb	57-42N: 01-02E	Oil	Crude	0.188 tonnes	Forties Echo	Uncontrolled release of hydrocarbons from well.
UKCS/1198	07-Feb	53-11N: 02-52E	Oil	Tellus T15	0.008 tonnes	Sean PD	Internal seal failure of UMGV.
UKCS/1199	09-Feb	57-18N: 01-40E	Oil	Crude	0.004 tonnes	ETAP	Wear on packing in packing gland.
UKCS/1200	09-Feb	53-34N: 02-47E	Oil	Diesel	4.2336 tonnes	Carrack	Leaking fuel filter on un-manned platform.
UKCS/1201	10-Feb	61-21N: 01-35E	Oil	Diesel	0.17 tonnes	Thistle Alpha	Failure of level indicator in diesel system.
UKCS/1202	10-Feb	57-27N: 01-28E	Oil	Drains fluid	0.018 tonnes	Montrose	24" open hazardous drains caisson.
UKCS/1203	10-Feb	58-53N: 01-32E	Oil	Crude	0.002241 tonnes	East Brae	Oil spill pump suction line through open bolt holes.
UKCS/1204	11-Feb	58-25N: 00-19W	Oil	Hydraulic	0.1 tonnes	Claymore	Hose failure.
UKCS/1205	11-Feb	60-33N: 01-54E	Chemical	NACL brine	108 kg	Sedco 714	Four inch hard wall transfer hose parted.
UKCS/1206	12-Feb	54-02N: 00-44E	Oil	Castrol Alpha SP150	0.0016 tonnes	Cleeton	Cracked compression fitting on impulse line to DP gauge.
UKCS/1207	12-Feb	61-08N: 01-44E	Chemical	Versaclean OBM	15 kg	Brent Delta	Hose cap failed during hose reinstatement operations.
UKCS/1208	13-Feb	61-06N: 01-42E	Oil	Crude	0.01 tonnes	Cormorant Alpha	Drains system overflowing of T2640.
UKCS/1209	13-Feb	58-50N: 00-17W	Oil	Diesel	0.0004 tonnes	MCP01	Leaking connection during venting of new diesel line.
UKCS/1210	13-Feb	61-03N: 01-42E	Oil	Diesel	0.001 tonnes	Brent Bravo	Maintenance activities on pump within drilling area.
UKCS/1211	16-Feb	58-17N: 01-18W	Oil	Diesel	0.000045 tonnes	Captain WPP	Diesel bunkering operations.
UKCS/1212	16-Feb	61-16N: 01-36E	Chemical	Brayco Micronic	931 kg	Dunlin Alpha	Tree supply control jumper stab plate.
UKCS/1213	17-Feb	57-45N: 01-48E	Oil	Hydraulic	0.001 tonnes	GSF Galaxy 1	Top drive retract hose failure.
UKCS/1214	17-Feb	54-02N: 00-44E	Chemical	Methanol	1 kg	Cleeton	Bunkering operations.
UKCS/1215	18-Feb	53-19N: 02-34E	Chemical	Monoethyleneglycol	900 kg	Inde 49/23A	Bunkering operations.
UKCS/1216	19-Feb	61-02N: 01-42E	Oil	Diesel	0.1 tonnes	Brent Alpha	Damaged bunkering hose.
UKCS/1217	19-Feb	57-27N: 01-28E	Oil	Slop oil	0.201 tonnes	Montrose	Welded joint on caisson wall.
UKCS/1218	20-Feb	53-28N: 01-44E	Oil	Diesel	0.00084 tonnes	Clipper	Hazardous drain overflow.
UKCS/1219	20-Feb	56-44N: 00-13E	Oil	Tellus 22	0.0003 tonnes	GA4	Leak from ROV pipework connection.

UKCS/1220	23-Feb	54-04N: 00-54E	Oil	Hyspin AWH M15	0.0001 tonnes	Ravenspurm South B	Loose instrument pipe fitting.
UKCS/1221	23-Feb	57-11N: 01-08E	Oil	Crude	0.025 tonnes	Gannet A	Pin hole leak from valve body.
UKCS/1222	26-Feb	57-48N: 00-58W	Oil	Crude	0.0026 tonnes	Buzzard	Start up of water injection plant.
UKCS/1223	26-Feb	57-22N:050-06E	Chemical	MEOH methanol	234 kg	Elgin PUQ	Failure of pressure transducer fitting.
UKCS/1224	28-Feb	57-18N: 01-40E	Oil	Brayco Micronic SV200	0.021875 tonnes	ETAP	Well 165 annulus wing valve plug leak.
UKCS/1225	29-Feb	56-24N: 02-04E	Oil	Crude	0.025 tonnes	Auk Alpha	Hazardous drain gulley blocked and overfilled to sea.
UKCS/1226	29-Feb	57-22N: 01-23E	Oil	Diesel	0.0005 tonnes	Arbroath	Bunkering hose.
UKCS/1227	29-Feb	58-50N: 00-17W	Oil	Diesel	0.005 tonnes	MCP01	Disconnected supply line.
UKCS/1228	01-Mar	57-18N: 01-40E	Chemical	TH1 (EC6481A)	5.17 kg	ETAP	Leak from the umbilical NRV fitting.
UKCS/1229	04-Mar	58-03N: 01-24E	Oil	Crude	0.0082 tonnes	Andrew	Hazardous drains caisson.
UKCS/1230	04-Mar	61-24N: 01-44E	Chemical	Unknown	Unknown	Murchison	Cause unknown at time of reporting.
UKCS/1231	05-Mar	53-05N: 02-33E	Chemical	Transaqua HT2	75 kg	Thames 49/28A	Failed HP hydraulic pump.
UKCS/1232	07-Mar	58-18N: 01-44W	Chemical	MEG	300 kg	Captain FPSO	Failed gasket on heating medium supply header.
UKCS/1233	09-Mar	58-07N: 03-05W	Oil	Crude	0.002 tonnes	Beatrice Alpha	Destruct of line from production header to slot 15.
UKCS/1234	09-Mar	56-58N: 01-52E	Chemical	EDC99-DW	1.053 kg	Franklin	Spill onto drillfloor and cantilever deck due to wind spray effect.
UKCS/1235	11-Mar	53-28N: 01-44E	Oil	Diesel	0.001 tonnes	Sole Pit Clipper	Corroded 2" diesel supply pipespool.
UKCS/1236	11-Mar	53-15N: 02-23E	Chemical	Aqualink 300E	900 kg	ZM	Cause unknown at time of reporting.
UKCS/1237	12-Mar	60-48N: 01-27E	Oil	Diesel	Unknown	Ninian Southern	Water drain valve slightly open.
UKCS/1238	14-Mar	60-57N: 00-56E	Oil	Diesel	0.004 tonnes	Heather Alpha	Collar section of bunkering hose connection overstressed.
UKCS/1239	16-Mar	57-46N :01-48E	Oil	Diesel	0.00025 tonnes	GSF Galaxy 1	Marine breakaway coupling leaking.
UKCS/1240	16-Mar	57-09N: 02-17E	Chemical	Baker Petrolite	745 kg	WOUK Seawell	Subsea hose disconnected in heavy seas.
UKCS/1241	17-Mar	57-22N: 01-23E	Oil	Crude	0.012 tonnes	Arbroath	Closed drains caisson due to heavy seas.
UKCS/1242	19-Mar	57-40N: 01-09E	Oil	Crude	0.008 tonnes	Nelson	Residual oil escaped from pig launcher atmospheric vent.
UKCS/1243	19-Mar	58-43N: 01-22E	Chemical	Sodium chloride	5 kg	Miller	Leaking bunkering hose.
UKCS/1244	20-Mar	56-30N: 02-09E	Oil	Crude	0.15 tonnes	Fulmar Alpha	Process problems on restart of plant.
UKCS/1245	22-Mar	59-75N: 00-33E	Chemical	Oceanic HW540	800 kg	Apollo	Subsea leak on manifold HP-A line.
UKCS/1246	24-Mar	57-18N: 01-39E	Oil	Brayco Micronic SV200	0.0175 tonnes	ETAP	Leaking hydraulic actuator seal on closed drains outlet.
UKCS/1247	24-Mar	53-57N: 00-36E	Chemical	Oceanic HW540	500 kg	Minerva	Solenoid stuck in vent position.
UKCS/1248	25-Mar	53-28N: 01-443E	Oil	Marine gas oil	0.0068 tonnes	Sole Pit Clipper	Flanged joint on pipeline when treated under pressure.
UKCS/1249	26-Mar	60-42N: 02-33E	Oil	Crude	0.0037 tonnes	Clair	Hole in drain trough.

UKCS/1250	26-Mar	58-06N: 01-24E	Chemical	Brine	1, 192 kg	Ocean Nomad	Hole in bunkering hose.
UKCS/1251	27-Mar	58-49N: 00-17W	Oil	Diesel	0.004 tonnes	MCP01	Bunkering operations.
UKCS/1252	28-Mar	56-27N: 02-17E	Chemical	Brayco Micronic SV3	0.0075 kg	Clyde	Hydraulic wing valve leak.
UKCS/1253	30-Mar	57-42N: 00-36W	Oil	Crude	0.29 tonnes	Borgsten Dolphin	Drop out of unburnt oil from boom tip.
UKCS/1254	30-Mar	61-06N :01-04E	Oil	Diesel	0.0576 tonnes	Cormorant Alpha	Overflow of tank.
UKCS/1255	30-Mar	61-16N: 03-00W	Chemical	Glydril DW	26, 000 kg	Leiv Eiriksson	Removal of BOP causing backflow from casing.
UKCS/1256	01-Apr	57-18N: 01-40E	Chemical	Brayco Micronic	4.375 kg	ETAP	Leak from hose connection.
UKCS/1257	02-Apr	61-06N: 01-04E	Oil	Lubrication	0.057 tonnes	Cormorant Alpha	Bung dislodged from industrial vacuum cleaner during transit.
UKCS/1258	03-Apr	61-06N: 01-43E	Oil	Diesel	0.0024 tonnes	Brent Charlie	Leak on pressure switch fitting while online.
UKCS/1259	04-Apr	57-45N: 00-55E	Oil	Crude	4.618 tonnes	Forties Bravo	Cause unknown at time of reporting.
UKCS/1260	07-Apr	59-45N: 01-40E	Oil	Unknown	0.00001 tonnes	Bruce	Cause unknown at time of reporting.
UKCS/1261	07-Apr	58-06N: 01-24W	Chemical	Oceanic HW443	220 kg	Ocean Nomad	Hydraulic latch function to the Vetco universal running tool.
UKCS/1262	08-Apr	61-06N: 01-43E	Oil	Contaminated Water	0.006 tonnes	Brent Charlie	Open hazardous drain tank.
UKCS/1263	09-Apr	56-55N: 02-27E	Chemical	Oceanic HW443	0.21 kg	Ocean Princess	Planned release of fluid during xmas tree installation.
UKCS/1264	10-Apr	60-48N: 01-27E	Oil	Diesel	0.008 tonnes	Ninian Southern	Weep in diesel overflow line as a result of corrosion.
UKCS/1265	10-Apr	61-22N: 01-35E	Oil	Diesel	0.17 tonnes	Thistle Alpha	Blockage in open drain system.
UKCS/1266	12-Apr	61-02N: 01-42E	Oil	Diesel	0.608 tonnes	Brent Alpha	Diesel fitting valve left open.
UKCS/1267	12-Apr	57-18N: 01-40E	Chemical	Brayco Micronic	8.2 kg	ETAP	Restriction on drains header.
UKCS/1268	12-Apr	59-45N: 01-40E	Chemical	Versaclean OBM	0.08 kg	Bruce	Leak form west side of OBM drains tank.
UKCS/1269	13-Apr	57-27N: 01-28E	Oil	Slop oil	0.018 tonnes	Montrose	Closed drains caisson.
UKCS/1270	13-Apr	57-58N: 01-52E	Chemical	Aquaglycol 24F	500 kg	Armada Hub	Parting of a pipe fitting.
UKCS/1271	15-Apr	60-42N: 02-33W	Oil	Crude	0.0012 tonnes	Clair	Drains sump overflowed due to a faulty pump.
UKCS/1272	16-Apr	59-22N: 01-36E	Oil	Crude	0.5 tonnes	NTvL	Dropout from well test flare boom.
UKCS/1273	16-Apr	61-06N: 01-04E	Oil	Lubrication	0.068 tonnes	Cormorant Alpha	Leak from bunkering filter housing.
UKCS/1274	17-Apr	53-33N: 01-15E	Oil	Diesel	0.2 tonnes	Malory	Generator failure.
UKCS/1275	18-Apr	61-24N: 01-44E	Oil	Diesel	0.01 tonnes	Murchison	Pin hole leak from transfer hose.
UKCS/1276	19-Apr	58-17N: 01-18W	Oil	Rando Oil HDZ 15	0.00045 tonnes	Captain WPP	Hydraulic hose ruptured.
UKCS/1277	19-Apr	60-49N: 01-44E	Oil	Lubrication	0.000135 tonnes	Alwyn North	Change out of engine oil from B Crepelle.
UKCS/1278	19-Apr	60-42N: 02-33W	Oil	Tection T lube oil	0.0000004 tonnes	Clair	Split oil drum.
UKCS/1279	20-Apr	53-54N: 03-43W	Chemical	Oceanic HW443	571 kg	Dalton Wellhead	Leak from wellhead installation.

UKCS/1280	21-Apr	58-17N: 00-28E	Chemical	Oceanic HW443	0.6 kg	Tartan Alpha	Leaking stem of subsea valve.
UKCS/1281	24-Apr	60-42N: 02-33W	Oil	Oily water	0.000001 tonnes	Clair	Temporary bund dismantled under PW skimmer vessel.
UKCS/1282	24-Apr	58-07N: 03-05W	Oil	Crude	0.253 tonnes	Beatrice Alpha	Faulty level indicator on oily water separator.
UKCS/1283	25-Apr	57-08N: 00-32E	Oil	Crude	0.688 tonnes	Transocean Prospect	Dropout during flaring operations.
UKCS/1284	25-Apr	56-54N: 02-27E	Chemical	Oceanic HW443	1, 700 kg	Blane	Cause unknown at time of reporting.
UKCS/1285	26-Apr	57-15N: 02-11E	Oil	Lubrication	0.002685 tonnes	Ocean Guardian	Overspilled during operations to fill engine sump.
UKCS/1286	26-Apr	56-51N: 02-15E	Oil	Brayco Micronic	0.0925 tonnes	Jade	Low level alarm activated.
UKCS/1287	27-Apr	59-33N: 01-32E	Chemical	Oceanic HW443	2, 184.84 kg	Beryl Alpha	A leak in the hydraulic supply line.
UKCS/1288	29-Apr	56-01N: 03-11E	Oil	Diesel	0.002 tonnes	Uisge Gorm	Chemical tank being filled with diesel overflowed.
UKCS/1289	30-Apr	58-50N: 00-17W	Oil	Lubrication	0.0004 tonnes	MCP01	Lifeboat winch motor gear box.
UKCS/1290	30-Apr	53-57N: 00-36E	Chemical	Oceanic HW540	450 kg	Minerva	Cause unknown at time of reporting.
UKCS/1291	01-May	59-45N: 01-40E	Oil	Hyspin AHW	0.342 tonnes	Bruce	Hydraulic oil cooler tube failure.
UKCS/1292	02-May	60-49N: 01-44E	Oil	Diesel	0.0007524 tonnes	Alwyn North	Diesel bunkering operations.
UKCS/1293	03-May	60-38N: 01-39E	Oil	Crude	0.0003 tonnes	Dunbar	Overspill from retention bund.
UKCS/1294	03-May	57-17N: 02-10E	Oil	Diesel	0.05 tonnes	Lomond	Overflow from a diesel day tank filling operation.
UKCS/1295	05-May	53-02N: 02-19E	Oil	Aviation jet fuel	0.002 tonnes	Leman 49/27A	Fuel delivery hose on helicopter rupture.
UKCS/1296	05-May	60-38N: 01-39E	Oil	Crude	0.00042 tonnes	Dunbar	Overspill from retention bund.
UKCS/1297	06-May	56-30N: 02-09E	Oil	Unknown	0.00013tonnes	Fulmar Alpha	Bubbles were observed over a short period.
UKCS/1298	06-May	56-30N: 02-09E	Oil	Unknown	0.000002 tonnes	Fulmar Alpha	Unknown source and cause.
UKCS/1299	08-May	59-17N: 01-30E	Chemical	Erifon 818	0.25 kg	Harding	Conductor tensioner pressurization / charging.
UKCS/1300	09-May	53-46N: 00-38E	Chemical	Oceanic HW540	170 kg	Mercury	Jammed hydraulic shuttle valve.
UKCS/1301	09-May	57-40N: 01-09E	Chemical	Brayco Micronic	1, 919 kg	Nelson	Hydraulic interface subsea accumulator to gas export pipeline.
UKCS/1302	11-May	57-18N: 01-40E	Oil	Crude	0.000045 tonnes	ETAP	Failed gasket on Dublock valve.
UKCS/1303	11-May	60-42N: 02-33W	Oil	Lubrication	0.0000051 tonnes	Clair	Leakage through gas compressor seal.
UKCS/1304	11-May	53-35N: 02-48E	Oil	T15 hydraulic oil	0.01 tonnes	Carrack Platform	Leak on frangible bulb active fire protection system.
UKCS/1305	11-May	60-38N: 01-39E	Chemical	TROS 518	3, 000 kg	Dunbar	Dump valve not fully closed.
UKCS/1306	11-May	61-16N: 01-36E	Chemical	Methanol	2, 441.6 kg	Dunlin Alpha	Subsea chemical injection hose or seal failure.
UKCS/1307	13-May	53-57N: 02-19E	Oil	Diesel	0.0001 tonnes	Viking Bravo	Leakage from threaded pipe fitting.
UKCS/1308	16-May	58-06N: 01-24W	Oil	Diesel	0.0005 tonnes	Ocean Nomad	Leak in hose from swivel connection.
UKCS/1309	18-May	53-06N: 02-32E	Oil	Lubrication	0.25 tonnes	49/28A	Open drain tank.

UKCS/1310	19-May	56-01N :03-11E	Oil	Crude	0.0171 tonnes	Uisge Gorm	Unknown cause and source.
UKCS/1311	19-May	58-22N: 00-04E	Oil	Crude	0.000018 tonnes	Tartan Alpha	Pinhole leak on discharge line from V21 sump vessel.
UKCS/1312	19-May	58-25N: 00-20E	Chemical	Cal acid	5 kg	Saltire A	Hose disconnected.
UKCS/1313	20-May	58-02N: 01-08E	Oil	Condensate	0.00015 tonnes	Britannia	Discharge transmitter found fully open to drain.
UKCS/1314	22-May	53-11N: 02-52E	Oil	Diesel	0.00086 tonnes	Sean Papa	Faulty nozzle trigger on crane diesel replenishment hose.
UKCS/1315	22-May	58-10N: 01-04E	Oil	Crude	0.463 tonnes	Balmoral	Suspected failure of weld.
UKCS/1316	24-May	56-55N: 02-27E	Chemical	MEG	Unknown	Blane	Chemical injection jumper connections.
UKCS/1317	25-May	61-06N: 01-18E	Oil	Envororite	0.4 tonnes	NW Hutton	Failure of stab connection on ROV tool.
UKCS/1318	25-May	58-14N: 01-07E	Chemical	Hydraulic fluid	280 kg	Balmoral	Failure of instrument compression fitting on hydraulic control line.
UKCS/1319	26-May	60-42N: 02-33W	Oil	Bertran HV46 Lube Oil	0.0000001 tonnes	Clair	Residual lube oil on feeder drip tray.
UKCS/1320	28-May	58-50N: 00-17W	Oil	Diesel	0.0005 tonnes	MCP01	Bottom of a pipe that was dismantled from a diesel tank.
UKCS/1321	28-May	53-05N: 02-08E	Oil	Drainage water	0.005 tonnes	Leman Alpha	Failed draft seal on drain pump.
UKCS/1322	28-May	53-11N: 02-52E	Oil	Condensate	0.0021 tonnes	Sean Papa	Drains hose detached.
UKCS/1323	28-May	60-48N: 01-27E	Chemical	Methanol	500 kg	Ninian Southern	Flange leak.
UKCS/1324	29-May	58-12N: 01-26E	Oil	Nutto 22 hydraulic oil	0.006 tonnes	PBLJ	Suspected seal in dredging pump.
UKCS/1325	29-May	56-24N: 02-15E	Chemical	Castrol Transaqua HT2	8, 295 kg	Janice Alpha	Subsea valves.
UKCS/1326	30-May	56-27N: 02-17E	Oil	Crude	0.01 tonnes	Clyde	Mechanical seal failure
UKCS/1327	30-May	58-00N: 00-23W	Oil	Hydraulic Tellus T15 oil	0.04 tonnes	Goldeneye	Hydraulic reservoir on well control panel.
UKCS/1328	02-Jun	54-02N: 00-44E	Oil	Mixed oils/condensate	0.005 tonnes	Cleeton	Drains caisson sample point tundish.
UKCS/1329	02-Jun	58-07N: 00-24W	Oil	Crude in produced water	0.29 tonnes	Bleo Holm	Discharge to sea from a non approved route.
UKCS/1330	02-Jun	58-50N: 00-17W	Oil	Diesel	0.06 tonnes	MCP01	Entrapped liquids from an ex 6" process pipe.
UKCS/1331	02-Jun	58-06N: 01-24W	Chemical	Versaclean OBM	0.001 kg	Ocean Nomad	Hydrostatic pressure on loose hose connection.
UKCS/1332	03-Jun	61-06N: 01-18E	Oil	Diesel	0.00042 tonnes	NW Hutton	Minor leakage in temporary bund.
UKCS/1333	03-Jun	58-07N: 03-05W	Oil	Crude	0.33 tonnes	Beatrice Alpha	Outfall from oily water separators on restart of plant.
UKCS/1334	03-Jun	58-50N: 00-17W	Oil	Oily water	0.005 tonnes	MCP01	Sea sump casing.
UKCS/1335	03-Jun	60-48N: 01-27E	Chemical	Methanol	250 kg	Ninian Southern	Leakage from methanol via a known leak point subsea.
UKCS/1336	03-Jun	58-24N: 00-09W	Chemical	Oceanic HW540	300 kg	Tartan	Seal failure.
UKCS/1337	05-Jun	56-27N: 02-17E	Oil	Diesel	0.001 tonnes	Clyde	Perforation in diesel bunkering hose.
UKCS/1338	05-Jun	60-49N: 01-44E	Oil	Diesel	0.000923 tonnes	Alwyn North	Diesel bunkering operations.
UKCS/1339	05-Jun	60-28N: 01-48E	Chemical	Sodium chloride	10, 230 kg	Sedco 714	Open production wing valve.

UKCS/1340	06-Jun	54-02N: 00-43E	Oil	Castrol Aircol MR46	0.001 tonnes	Cleeton	Cause unknown at time of reporting.
UKCS/1341	06-Jun	58-07N: 03-05W	Oil	Hydraulic oil	0.0001 tonnes	Beatrice Alpha	Wellhead hydraulic control panel.
UKCS/1342	06-Jun	53-17N: 01-07E	Chemical	Transaqua HT2	2, 305 kg	EnSCO 100	Controls system for subsea tree hydraulic production/master valve.
UKCS/1343	08-Jun	58.06N: 03-05W	Chemical	Dow Corning Silicone	1 kg	Beatrice Bravo	Pinhole leak found in cooling fin on transformer.
UKCS/1344	09-Jun	56-27N: 02-17E	Oil	Crude	0.001 tonnes	Clyde	Ruptured tubes in cooler to PW caisson may have dislodged oil.
UKCS/1345	09-Jun	57-27N: 01-28E	Oil	Crude	0.21 tonnes	Montrose	Plant process upset & overfilling of 48"caisson.
UKCS/1346	10-Jun	57-27N: 01-28E	Oil	Crude	0.001 tonnes	Montrose	Failure of oil train filter lid ring seal.
UKCS/1347	11-Jun	53-17N: 01-06E	Oil	Hyspin hydraulic fluid	0.005 tonnes	EnSCO 100	Hydraulic jacking cylinder neck seal burst.
UKCS/1348	11-Jun	58-28N: 00-15E	Chemical	Hydraulic fluid	494 kg	Piper B	Subsea valves from the south wells manifold.
UKCS/1349	12-Jun	59-19N: 00-44E	Oil	Stabilised crude	0.4 tonnes	FPSO Producer	Overboard drain line from separation bund.
UKCS/1350	12-Jun	58-14N: 01-07E	Chemical	Stack magic/TEG	1, 500 kg	Balmoral	Cause unknown at time of reporting.
UKCS/1351	14-Jun	58-50N: 00-17W	Oil	Lubrication	0.002 tonnes	MCP01	Oil cooler for hydraulic fire pump.
UKCS/1352	14-Jun	61-06N: 01-18E	Oil	Hydraulic	0.00015 tonnes	NW Hutton	Failure of flexible hydraulic fluid connection.
UKCS/1353	15-Jun	58-06N: 01-23W	Chemical	Versaclean OBM	2, 350 kg	Ocean Nomad	Slip joint packer released fluid.
UKCS/1354	16-Jun	58-17N: 01-18W	Oil	Weathered hydrocarbons	0.0009 tonnes	Captain WPP	Annulus clean-up operation.
UKCS/1355	16-Jun	61-06N: 01-18E	Oil	Hydraulic	0.003 tonnes	NW Hutton	Spontaneous operation of ROV emergency disconnect relief valve .
UKCS/1356	17-Jun	53-48N: 03-40W	Oil	Tellus 32 hydraulic oil	0.001 tonnes	Calder	Damaged hydraulic hose.
UKCS/1357	17-Jun	61-06N: 01-45E	Oil	Diesel	0.016 tonnes	Cormorant Alpha	Diesel surge tank on power generator G1020.
UKCS/1358	17-Jun	57-02N: 01-58E	Chemical	Methanol	200 kg	Shearwater	Bleed plug assembly on methanol valve inadvertently left open.
UKCS/1359	17-Jun	56-27N: 02-17E	Chemical	MEG	100 kg	Clyde	Cooling medium.
UKCS/1360	17-Jun	61-16N: 01-36E	Chemical	Brayco Micronic	5.12 kg	Dunlin Alpha	Low/high pressure hydraulic system.
UKCS/1361	20-Jun	56-27N: 02-17E	Oil	Brayco Micronic	0.000738 tonnes	Clyde	Down hole safety valve returns tank.
UKCS/1362	20-Jun	59-33N: 01-32E	Chemical	Oceanic HW443	81 kg	Beryl Alpha	Hydraulic skid associated with subsea network.
UKCS/1363	21-Jun	54-18N: 01-40E	Chemical	Triethyleneglycol (TEG)	5, 000 kg	Trent	TEG regeneration system flash drum connection to closed drains.
UKCS/1364	21-Jun	53-57N: 00-36E	Chemical	Oceanic HW450	130 kg	Minerva	Solenoid struck open on M4 choke valve.
UKCS/1365	21-Jun	54-03N: 01-12E	Chemical	Methanol	120, 259 kg	Johnston	Suspected failed hose.
UKCS/1366	22-Jun	58-07N: 03-05W	Oil	Oily water residue	0.00005 tonnes	Beatrice Alpha	Sea sump agitated by 5m wave.
UKCS/1367	24-Jun	56-55N: 01-02E	Oil	Brayco Micronic SV3	0.0008 tonnes	MSV Seawell	Hose was disconnected from subsea equipment function.
UKCS/1368	24-Jun	53-15N: 02-23E	Chemical	Aqualink 300E	566 kg	ZM Callisto	Subsea system between the platform and the subsea template.
UKCS/1369	25-Jun	59-45N: 01-40E	Oil	Crude	0.00437 tonnes	Bruce	Failure of hazardous drains caisson.

UKCS/1370	25-Jun	53-05N: 02-08E	Oil	Diesel	0.000706 tonnes	Leman Alpha	Diesel hose connection came apart.
UKCS/1371	25-Jun	58-50N: 00-17W	Oil	Diesel	0.003 tonnes	MCP01	Bleed valve not fully closed.
UKCS/1372	26-Jun	60-48N: 01-27E	Oil	Diesel	0.01 tonnes	Ninian Southern	Diesel system, diesel observed dripping from needle valve.
UKCS/1373	26-Jun	58-17N: 00-12E	Chemical	Oceanic HW540	20, 280 kg	Scott	Valve control fluid leakage.
UKCS/1374	27-Jun	59-17N: 01-31E	Oil	Castrol Hyspin	0.000026 tonnes	Harding	Hydraulic valve leak on downhole safety valve connection.
UKCS/1375	27-Jun	58-17N: 01-18W	Oil	Diesel	0.00018 tonnes	Captain WPP	Pipe connection at bottom of diesel filtration unit.
UKCS/1376	27-Jun	60-21N: 04-04W	Oil	Crude	0.001 tonnes	Schiehallion	Ruptured discharge hose from wilden pump.
UKCS/1377	28-Jun	57-21N: 01-52E	Oil	Crude	0.00045 tonnes	Paul B Loyd JNR	Failure of pilot air line to burner tip shuttle valves.
UKCS/1378	28-Jun	60-21N: 04-04W	Chemical	Methanol	500 kg	Schiehallion	Loss of pressure in hose draining during leak test.
UKCS/1379	28-Jun	58-06N: 01-24W	Chemical	Versaclean OBM	136 kg	Ocean Nomad	Leakage from deck drain.
UKCS/1380	29-Jun	57-21N: 01-52E	Oil	Crude	0.1 tonnes	Paul B Loyd JNR	Leaking shuttle valve in port side burner head.
UKCS/1381	29-Jun	61-06N: 01-04E	Oil	Crude	0.03 tonnes	Cormorant Alpha	Crude oil from pig launcher door.
UKCS/1382	29-Jun	54-02N: 00-44E	Chemical	Methanol	2, 100 kg	Cleeton	Pressure gauge fitting failed.
UKCS/1383	29-Jun	60-21N: 04-04W	Chemical	TEG	60 kg	Schiehallion	Draining of cooling medium system.
UKCS/1384	30-Jun	60-48N: 01-26E	Chemical	Bacton B2090	5, 100 kg	Ninian Southern	Drain valve found open.
UKCS/1385	01-Jul	60-49N: 01-44E	Oil	Diesel	0.54 tonnes	Alwyn North	Breakaway coupling, partially sprung at one of the coupling joints.
UKCS/1386	02-Jul	56-24N: 02-15E	Chemical	Castrol Transaqua HT2	1, 374 kg	Janice Alpha	Integrity issue with the LP hydraulic line.
UKCS/1387	03-Jul	56-30N: 02-09E	Oil	Crude	0.045 tonnes	Fulmar Alpha	Cuttings chute failure.
UKCS/1388	04-Jul	58-43N: 01-22E	Oil	Mixture	0.0021 tonnes	Miller	Hazardous drains caisson.
UKCS/1389	04-Jul	60-51N: 01-28E	Chemical	Methanol	20 kg	Ninian Central	Spill during bunkering operations.
UKCS/1390	05-Jul	57-00N: 01-18E	Chemical	Aqualink HT 804	1, 078 kg	Petrojarl Banff	Subsea well control equipment.
UKCS/1391	06-Jul	57-59N: 01-14E	Oil	Marine diesel	0.15 tonnes	Hummingbird	Fractured fuel bunkering hose.
UKCS/1392	07-Jul	56-44N: 01-18E	Oil	Unknown	0.00328 tonnes	Curlew	Possible diving support vessel intervention.
UKCS/1393	07-Jul	58-43N: 01-22E	Chemical	Oceanic HW540	15.9 kg	Miller	Failure of pipework in the SSIV hydraulic power pack.
UKCS/1394	08-Jul	57-21N: 01-52E	Oil	Crude	0.001 tonnes	Paul B Loyd Jnr	Failure of oily water filtration system.
UKCS/1395	09-Jul	53-28N: 02-17E	Chemical	Inhibited KCL brine	11, 126 kg	ENSCO 100	Welder fitting safety lockouts cracked valve open.
UKCS/1396	10-Jul	59-45N: 01-40E	Oil	Diesel	0.0015 tonnes	Bruce	Washings from diesel deck on PUQ.
UKCS/1397	11-Jul	53-11N: 02-51E	Oil	Diesel	0.00001 tonnes	Sean Papa	Failure of isolated solenoid.
UKCS/1398	12-Jul	60-49N: 01-44E	Oil	Diesel	0.00010395 tonnes	Alwyn North	Drainage caisson on diesel storage tank.
UKCS/1399	13-Jul	57-18N: 01-40E	Oil	Oily water	0.00164 tonnes	ETAP	Residue in pipework whilst changing out valve.

UKCS/1400	13-Jul	58-42N: 01-17E	Chemical	Oceanic HW443	307 kg	Brae Alpha	Subsea hydraulic supply umbilical.
UKCS/1401	14-Jul	57-57N: 01-50E	Chemical	Castrol Hyspin AWH	0.004 kg	Borgholm Dolphin	Leaking shaft seal on telescopic motor on hydraulic gangway.
UKCS/1402	14-Jul	57-57N: 01-50E	Chemical	Castrol Hyspin AWH	5 kg	Borgholm Dolphin	Leaking shaft seal on telescopic motor on hydraulic gangway.
UKCS/1403	16-Jul	60-49N: 01-44E	Oil	Diesel	0.375 tonnes	Alwyn North	Suspected diesel leg or drainage caisson.
UKCS/1404	17-Jul	59-45N: 01-40E	Oil	Diesel	0.002 tonnes	Bruce	Atmospheric vent from hazardous open drains.
UKCS/1405	18-Jul	57-17N: 02-11E	Chemical	TEG	15 kg	Lomond	Gas dehydration package system.
UKCS/1406	20-Jul	58-27N: 00-15W	Chemical	Koplus LL	1, 200 kg	Claymore	Incorrectly configured valves.
UKCS/1407	20-Jul	56-27N: 02-17E	Chemical	Sodium hypochlorite	155.78 kg	Clyde	Corrosion caused failure of cooler tubing element.
UKCS/1408	21-Jul	58-17N: 01-18W	Chemical	Glycol	4 kg	Captain WPP	Glycol reboiler atmospheric vent on east corner of Captain BLP.
UKCS/1409	22-Jul	57-40N: 01-09E	Chemical	Base oil	1.5 kg	Nelson	Displacement tank drainline into deck drains and to sea.
UKCS/1410	23-Jul	59-33N: 01-32E	Oil	Oily water	0.002 tonnes	Beryl Alpha	Pinhole leak in the sump pump discharge piping.
UKCS/1411	23-Jul	54-18N: 01-40E	Oil	Condensate	1 tonne	Trent	Leakage of pump gland packing.
UKCS/1412	24-Jul	57-15N: 00-49E	Oil	Tellus T46	0.2 tonnes	Anasuria	Hydraulic winch overflow.
UKCS/1413	24-Jul	56-42N: 02-20E	Oil	Crude	0.000048 tonnes	Judy	Produced water degasser.
UKCS/1414	24-Jul	57-02N: 01-58E	Chemical	Cooling medium	25, 000 kg	Shearwater	Expansion bellows ruptured.
UKCS/1415	25-Jul	59-52N: 02-03E	Oil	Mineral VG32	0.05 tonnes	MSV Normand Cutter	Subsea hose umbilical.
UKCS/1416	26-Jul	57-50N: 00-37W	Oil	Crude	0.001 tonnes	Arctic 4	Flare bloom, drop out during routine shut down of flaring ops.
UKCS/1417	26-Jul	60-42N: 02-33W	Oil	Oily water	0.0000252 tonnes	Clair	Failure of solenoid valve to operate pump.
UKCS/1418	26-Jul	53-35N: 02-48E	Oil	Tellus T15	0.02 tonnes	Carrack	Hydraulic leak from frangible bulb ESD System.
UKCS/1419	26-Jul	58-07N: 03-05W	Oil	Oily water residue	0.9 tonnes	Beatrice Alpha	Sea sump.
UKCS/1420	27-Jul	57-49N: 00-58W	Oil	Diesel	0.1 tonnes	Buzzard	Overflow during top-up operations.
UKCS/1421	27-Jul	60-21N: 04-04W	Oil	Crude	0.0015 tonnes	Schiehallion	Valve opened during line up.
UKCS/1422	27-Jul	58-29N: 01-16E	Chemical	Castrol Transaqua HT	428 kg	Tiffany	Failure of the water coupling seals.
UKCS/1423	27-Jul	54-02N: 00-43E	Chemical	Hyspin AWH-M15	0.01 kg	Cleeton	Leak from compression fitting on ESV control unit.
UKCS/1424	28-Jul	53-42N: 01-09E	Oil	Diesel	1 tonne	West Sole Bravo	Diesel day tank on the standby generator.
UKCS/1425	28-Jul	53-12N: 02-29E	Chemical	Castrol Transaqua HT2	171 kg	Bessemer	Hydraulic wellhead skid.
UKCS/1426	29-Jul	57-58N: 01-52E	Oil	Diesel	0.01 tonnes	Armada Hub	Diesel bunkering.
UKCS/1427	31-Jul	61-06N: 01-04E	Oil	Crude	0.19 tonnes	Cormorant Alpha	Produced water overboard discharge line.
UKCS/1428	01-Aug	56-42N: 02-20E	Oil	Unknown	0.36 tonnes	Judy	Cause unknown at time of reporting.
UKCS/1429	02-Aug	59-52N: 00-20E	Oil	Hydraulic	0.02 tonnes	OCV Normand Cutter	Hydraulic hose on subsea equipment.

UKCS/1430	03-Aug	54-02N: 01-06E	Oil	Diesel	0.00064 tonnes	Ravenspur North	Open drain caisson.
UKCS/1431	04-Aug	54-17N: 01-20E	Oil	Hydraulic	0.012 tonnes	Kilmar	Export ESDV dripping from the actuator.
UKCS/1432	04-Aug	53-28N: 01-44E	Oil	Lubrication Aeroshell	0.01 tonnes	Sole Pit Clipper	Starter motor not fully secured to engine.
UKCS/1433	05-Aug	57-27N: 01-28E	Oil	Oily water	0.00216 tonnes	Montrose	Sand wash unit connected to overboard storm drains.
UKCS/1434	06-Aug	57-40N: 01-09E	Oil	Crude	0.12 tonnes	Nelson	Suspected valve shutdown in PW flash drum.
UKCS/1435	06-Aug	53-03N: 01-41E	Oil	Diesel	0.0007 tonnes	48/29 Bravo	Hose split.
UKCS/1436	6 Aug	60-42N: 02-33W	Oil	Diesel	0.00000085 tonnes	Clair	Failure of hose connection.
UKCS/1437	06-Aug	57-18N: 01-40E	Chemical	Glycol/Water mix	1 kg	ETAP	Valve packing failure.
UKCS/1438	07-Aug	61-16N: 01-10E	Oil	Crude	0.15 tonnes	Eider Alpha	Overflow of caisson.
UKCS/1439	07-Aug	54-02N: 00-43E	Oil	Castrol Aircol MR46	0.00001 tonnes	Cleeton	Sea air compression packaging.
UKCS/1440	07-Aug	61-37N: 01-18W	Chemical	TROS C787C	2, 550 kg	Magnus	Chemical tank overflow.
UKCS/1441	08-Aug	56-43N: 01-19E	Oil	DTE 15M hydraulic oil	0.000539 tonnes	MSV Seawell	Burst hose to moonpool door rams.
UKCS/1442	09-Aug	57-09N: 00-31E	Oil	Crude	0.00034 tonnes	Transocean Prospect	Fallout from flare boom burner during flaring operations.
UKCS/1443	09-Aug	56-27N: 02-17E	Oil	Crude	0.002 tonnes	Clyde	Leaking flange joint.
UKCS/1444	09-Aug	53-37N: 00-47E	Oil	Hyspin AWH M15	0.0005 tonnes	Amethyst A2d	Seep from a hydraulic control line.
UKCS/1445	09-Aug	57-00N: 01-18E	Chemical	Aqualink HT 804	57, 347 kg	Petrojarl Banff	Increase in use of subsea control fluid.
UKCS/1446	10-Aug	57-09N: 00-31E	Oil	Crude	0.0009 tonnes	Transocean Prospect	Fallout from flare boom burner during flaring operations.
UKCS/1447	11-Aug	58-42N: 01-17E	Oil	Crude	0.009 tonnes	Sycamore SW2	Water injection well, containment broken.
UKCS/1448	11-Aug	58-25N: 00-19W	Oil	Crude	0.25 tonnes	Claymore	Leak from pump booster can.
UKCS/1449	11-Aug	57-27N: 01-28E	Oil	Diesel	0.0039 tonnes	Montrose	Leak at joint in diesel bunkering hose.
UKCS/1450	11-Aug	58-42N: 01-17E	Oil	Crude	Unknown	Birch Z2	Broken containment at the spool flange.
UKCS/1451	11-Aug	56-43N: 01-19E	Chemical	Castrol Brayco Micronic	290 kg	MSV Seawell	LP supply from subsea xmas tree.
UKCS/1452	12-Aug	57-09N: 00-31E	Oil	Crude	0.081 tonnes	Transocean Prospect	Flare boom gas line during flaring operations.
UKCS/1453	14-Aug	60-21N: 04-04W	Oil	Hydraulic	0.005 tonnes	Schiehallion	Leaking actuator valve.
UKCS/1454	15-Aug	56-01N: 03-11E	Oil	Crude	0.00022 tonnes	Uisge Gorm	From within the J tube of the turret whilst lowering riser.
UKCS/1455	15-Aug	57-00N: 01-18E	Chemical	TEG	3, 091 kg	Petrojarl Banff	Subsea control system.
UKCS/1456	16-Aug	60-32N: 01-52N	Chemical	Oceanic HW443	560 kg	Dunbar	Subsea leak.
UKCS/1457	17-Aug	53-21N: 01-18E	Oil	Condensate	0.00037 tonnes	Waveney	Tank high level & pump not working.
UKCS/1458	18-Aug	54-02N: 00-43E	Oil	Hyspin 15	0.002 tonnes	Cleeton	Leaking air system lubricator.
UKCS/1459	19-Aug	58-50N: 00-17W	Oil	Diesel	0.0001 tonnes	MCP01	Partly open valve from diesel day tank.

UKCS/1460	22-Aug	58-14N: 01-07E	Oil	Diesel	0.013 tonnes	Bamoral	Failure of bunkering hose.
UKCS/1461	22-Aug	56-43N: 01-18E	Oil	Gas condensate	0.074 tonnes	Maersk Curlew	Overflow from hazardous drains tank.
UKCS/1462	22-Aug	60-48N: 01-44E	Oil	Produced water	0.000375 tonnes	Alwyn North	Produced water caisson.
UKCS/1463	22-Aug	59-16N: 01-30E	Chemical	Erifon 818	0.25 kg	Harding	Conductor tensioner pressurization/charging.
UKCS/1464	23-Aug	60-54N: 01-25E	Oil	Crude	0.017 tonnes	Ninian Northern	Loss of containment from test separator.
UKCS/1465	23-Aug	58-07N: 03-05W	Oil	Crude	0.9 tonnes	Beatrice Alpha	Hole in overflow pipe.
UKCS/1466	23-Aug	57-09N: 02-15E	Chemical	HCl	170.1 kg	JW McLean	Acid stimulation train.
UKCS/1467	25-Aug	56-29N: 02-09E	Oil	Crude	0.00006 tonnes	Fulmar Alpha	Crude oil spill when carrying out maintenance.
UKCS/1468	25-Aug	57-27N: 01-28E	Oil	Diesel	0.001 tonnes	Montrose	Failure of diesel hose whilst bunkering.
UKCS/1469	25-Aug	60-37N: 01-39N	Chemical	Oceanic HW540	3.304 kg	Dunbar	Suspicion of leak on nuggets hydraulic system.
UKCS/1470	26-Aug	53-03N: 02-11E	Oil	ULS Gasoline	0.25 tonnes	Seafox 4	Hose rupture to supply vessel.
UKCS/1471	27-Aug	53-27N: 01-43E	Oil	Oily water/condensate	0.2 tonnes	Sole Pit Clipper	Pump mechanical seal failure.
UKCS/1472	30-Aug	57-27N: 01-28E	Oil	Crude	0.004 tonnes	Montrose	Crude oil filter unit.
UKCS/1473	30-Aug	60-37N: 01-39E	Oil	Crude	0.00021 tonnes	Dunbar	Small leak from corrosion injection line.
UKCS/1474	31-Aug	58-41N: 01-17E	Chemical	Oceanic HW443	1, 597 kg	Birch Z3	Hydraulic supply line.
UKCS/1475	31-Aug	58-00N: 00-43E	Chemical	Methanol	7, 000 kg	Callanish	Gasket in flanged connection on methanol header was damaged.
UKCS/1476	01-Sep	61-07N: 01-44E	Oil	Crude	0.0025 tonnes	Brent Delta	Jet cleaning of crude oil cooler plates.
UKCS/1477	01-Sep	53-57N: 00-35E	Chemical	Oceanic HW540	780 kg	Minerva	Faulty solenoids.
UKCS/1478	02-Sep	58-49N: 00-17W	Oil	Diesel	0.005 tonnes	MCP01	Damaged temporary diesel fitting hose for the crane.
UKCS/1479	04-Sep	58-27N: 00-15E	Oil	Diesel	0.068 tonnes	Piper B	Valve not fully closed on diesel centrifuge sludge tank drain.
UKCS/1480	04-Sep	59-37N: 01-31E	Oil	Diesel	0.001 tonnes	Beryl Bravo	Diesel offloading facility PSV vent.
UKCS/1481	05-Sep	58-17N: 01-18W	Oil	Crude	0.0009 tonnes	Captain WPP	Drip from hose connection.
UKCS/1482	05-Sep	61-16N: 01-35E	Oil	Crude	0.01 tonnes	Dunlin Alpha	Crude oil from proover loop.
UKCS/1483	05-Sep	58-21N: 00-51E	Chemical	Castrol Transaqua HT2	2, 174 kg	GPIII Dumbarton	Loose fitting connection on jumper hose.
UKCS/1484	06-Sep	53-11N: 02-51E	Oil	Diesel	0.0021 tonnes	Sean Papa	Diesel bunkering hose split.
UKCS/1485	07-Sep	58-07N: 01-24W	Chemical	Methanol	85 kg	Bleo Holm	Subsea leak from methanol injection line.
UKCS/1486	09-Sep	60-48N: 01-44E	Oil	Unknown	0.000225 tonnes	Alwyn North	Cause unknown at time of reporting.
UKCS/1487	09-Sep	59-44N: 01-40E	Oil	Hyspin AWH-M15	0.001 tonnes	Bruce	A5 wing valve hydraulic hose leaking.
UKCS/1488	09-Sep	53-36N: 01-31E	Oil	Lubrication	0.012 tonnes	Barque PB	Wellhead hydraulic control system.
UKCS/1489	09-Sep	58-28N: 00-15E	Oil	Diesel	0.001 tonnes	Piper B	John Brown A diesel day tank.

UKCS/1490	09-Sep	58-13N: 01-06E	Chemical	Oceanic HW443	561.9 kg	Balmoral	Defective instrument type fitting on the HP supply hose to sea.
UKCS/1491	10-Sep	53-06N: 02-32E	Chemical	Transaqua	300 kg	49/28A	Failure of a bladder within an LP accumulator cylinder.
UKCS/1492	11-Sep	53-57N: 00-35E	Chemical	Oceanic HW540	500 kg	Minerva	Faulty solenoids.
UKCS/1493	12-Sep	58-18N: 01-44W	Oil	Diesel	0.00065 tonnes	Captain FPSO	Diesel engine fuel leakage tank.
UKCS/1494	12-Sep	61-25N: 01-26E	Chemical	Drilling fluid	3, 550 kg	Byford Dolphin	Failure of slip joint packer.
UKCS/1495	14-Sep	60-19N: 04-16W	Oil	Crude	0.02 tonnes	Foinaven	Oil contaminated washing water from offloading hose.
UKCS/1496	15-Sep	56-27N: 02-17E	Oil	Crude	0.025 tonnes	Clyde	Leaking grease nipple on slot 8 top tk valve.
UKCS/1497	16-Sep	58-49N: 00-17W	Oil	Diesel	0.0003 tonnes	MCP01	Residual lubrication oil from fire pump engine.
UKCS/1498	16-Sep	58-17N: 01-18E	Oil	Crude	0.0167 tonnes	Captain WPP	Pressure transmitter valve in the open position.
UKCS/1499	16-Sep	60-21N: 04-04W	Chemical	MEG	100 kg	Schiehallion FPSO	Ruptured drums in container during transit.
UKCS/1500	16-Sep	57-58N: 01-14E	Chemical	Baker Petrolite CRW	4 kg	Hummingbird	Heating medium system.
UKCS/1501	17-Sep	60-48N: 01-27E	Oil	Diesel	0.05 tonnes	Ninian Southern	Diesel system control upset.
UKCS/1502	17-Sep	61-25N: 01-26E	Oil	Hydraulic	0.000002 tonnes	Byford Dolphin	Leaking filter seal on hydraulic fitting on upper racking arm.
UKCS/1503	19-Sep	57-17N: 01-39E	Chemical	Brayco Micronic SV200	15.75 kg	ETAP	Well 173 annulus wing valve hose burst.
UKCS/1504	21-Sep	61-21N: 01-34E	Oil	Crude	1.994 tonnes	Thistle Alpha	Flotcell tripped.
UKCS/1505	22-Sep	53-49N: 00-28E	Oil	Hydraulic	0.0005 tonnes	47/8A	Hydraulic oil leak from the 18" sealine valve.
UKCS/1506	23-Sep	59-19N: 00-44E	Oil	Diesel	0.002 tonnes	North Sea Producer	Damaged diesel driven air compressor.
UKCS/1507	23-Sep	57-09N: 02-18E	Chemical	Castrol Transaqua	41, 000 kg	Haewene Brim	Leakage from subsea equipment.
UKCS/1508	24-Sep	60-21N: 04-04W	Oil	Hydraulic	0.00001 tonnes	Schiehallion	Leak from ROV handling system.
UKCS/1509	24-Sep	60-57N: 00-56E	Oil	Diesel	0.0001 tonnes	Heather Alpha	Diesel fuel line has small pinhole leak due to corrosion.
UKCS/1510	25-Sep	57-00N: 01-17E	Oil	Marine diesel	0.005 tonnes	Petrojarl Banff	Leaking coupling on bunkering hose.
UKCS/1511	26-Sep	58-17N: 01-18W	Oil	Lubrication	0.000426 tonnes	Captain WPP	Lubrication oil spillage from gas compressor bund.
UKCS/1512	28-Sep	58-21N: 00-51E	Chemical	Castrol Transaqua HT2	1, 405 kg	GPIII	Production routing valve connection.
UKCS/1513	29-Sep	60-21N: 04-04W	Chemical	Oceanic HW540	0.265 kg	Schiehallion	Leaking fluid from plug in actuator body.
UKCS/1514	30-Sep	54-35N: 01-25E	Chemical	Glycol /water based mud	28, 000 kg	Energy Enhancer	Dump valve unintentionally left open.
UKCS/1515	01-Oct	61-05N: 01-43E	Chemical	Oceanic HW443	231 kg	Brent Charlie	BC27 three way dump valve.
UKCS/1516	01-Oct	57-09N: 02-17E	Chemical	Oily water	19.1 kg	FPSO Haewene Brim	Fire pump seal leakage.
UKCS/1517	03-Oct	53.57N: 00.35E	Chemical	Oceanic HW540	260 kg	Minerva	Cause unknown at time of reporting.
UKCS/1518	04-Oct	53-05N: 02-07E	Oil	Process liquids	0.0005 tonnes	Leman Alpha	Valve body greasing injection fitting not sealing.
UKCS/1519	06-Oct	56-30N: 02-09E	Oil	Crude	0.088 tonnes	Fulmar Alpha	Cause unknown at time of reporting.

UKCS/1520	07-Oct	54-17N: 01-39E	Oil	Diesel	0.003 tonnes	43/24 Trent	Human error.
UKCS/1521	07-Oct	53-27N: 01-20E	Oil	Condensate/oily waste	0.15 tonnes	Excalibur	Cause unknown at time of reporting.
UKCS/1522	08-Oct	53-05N: 02-07E	Oil	Hydraulic	0.001 tonnes	Leman Alpha	Hydraulic fitting under pressure, started to drip
UKCS/1523	08-Oct	53-11N: 02-51E	Oil	Diesel	0.0191 tonnes	Sean PP	Turbo generator combustion chamber.
UKCS/1524	09-Oct	58-52N: 01-31E	Chemical	Base oil	15 kg	East Brae	Bunkering hose.
UKCS/1525	12-Oct	58-29N: 01-16E	Oil	Brayco Micronic SV/200	0.617 tonnes	Tiffany	Hydraulic system serving the xmas trees.
UKCS/1526	12-Oct	57-05N: 02-07E	Chemical	Hydrochloric acid	1 kg	Paul B Lloyd Jnr	Pressure gauge hose parted from fitting on pump.
UKCS/1527	14-Oct	58-07N: 01-24W	Chemical	Oceanic HW443	5 kg	Bleo Holm	Subsea leak of hydraulic fluid.
UKCS/1528	15-Oct	57-05N: 00-54E	Chemical	Glutaraldehyde bactron	4, 829 kg	Triton FPSO	Failure of water injection.
UKCS/1529	15-Oct	56-51N: 02-15E	Chemical	Total DF1	0.8 kg	Ensco 102	Base oil leak from a take on manifold.
UKCS/1530	17-Oct	59-32N: 01-33E	Oil	Crude	0.00415 tonnes	SPM3	Gap between flange on loading manifold and flange on hose end.
UKCS/1531	20-Oct	57-01N: 01-50E	Chemical	Glycol	1.35 kg	Elgin WHP	Burst hose on drilling derrick.
UKCS/1532	21-Oct	61-14N: 01-08E	Oil	Crude	0.005 tonnes	North Cormorant	Crude oil spill in M4 Mezz module.
UKCS/1533	23-Oct	60-21N: 04-04W	Chemical	Oceanic HW540	0.9 kg	Schiehallion FPSO	Overspill from rain filled bund.
UKCS/1534	25-Oct	58-07N: 01-24W	Chemical	Oceanic HW443	600 kg	Bleo Holm	Loss of subsea hydraulics.
UKCS/1535	26-Oct	54-16N: 02-19E	Chemical	Aqualink 300E	3.708 kg	Murdoch	Subsea wellhead template.
UKCS/1536	27-Oct	61-30N: 01-26E	Chemical	Versaclean OBM	13, 241.5 kg	John Shaw	Choke line connection failure.
UKCS/1537	29-Oct	61-06N: 01-04E	Oil	Diesel	0.04 tonnes	Cormorant Alpha	West side diesel bunkering hose failure.
UKCS/1538	29-Oct	54-16N: 02-12E	Oil	Mobil DTE 16M	0.5 tonnes	DSV Pelican 7	Equipment failure on the DSV pelican 7.
UKCS/1539	31-Oct	60-57N: 00-56E	Oil	Crude	0.206 tonnes	Heather Alpha	Fractured weld point.
UKCS/1540	01-Nov	59-16N: 01-30E	Oil	Castrol Hyspin	0.002 tonnes	Harding	Failure of hydraulic hose.
UKCS/1541	01-Nov	58-00N: 00-22W	Oil	Shell Tellus T15	0.02 tonnes	Goldeneye	Failure of newly installed hydraulic relief valve.
UKCS/1542	01-Nov	57-11N: 01-00E	Oil	Crude	0.004 tonnes	Gannet Alpha	Pinhole identified on pipe bend/elbow.
UKCS/1543	01-Nov	56-50N: 02-15E	Chemical	Total DF1	13.8 kg	Ensco 102	Loss of OBM whilst lifting riser.
UKCS/1544	01-Nov	58-13N: 01-06E	Chemical	Pelagic 100	3, 100 kg	Balmoral	Hydraulic control supply fluid.
UKCS/1545	03-Nov	59-44N: 01-40E	Chemical	TEG	46, 000 kg	Bruce	Glycol regeneration system.
UKCS/1546	04-Nov	57-50N: 00-56E	Oil	Castrol AWS32	0.0021 tonnes	Transocean Prospect	Leaking hydraulic hose to grabber.
UKCS/1547	04-Nov	58-07N: 03-05W	Oil	Crude	0.168 tonnes	Beatrice Alpha	Suspected failed air diaphragm in the production platform sea sump.
UKCS/1548	04-Nov	60-01N: 01-24E	Oil	Crude oil vapour	0.06 tonnes	Stena Spey	Partially blocked flame arrestor.
UKCS/1549	04-Nov	53-11N: 02-51E	Oil	Condensate/Diesel	0.00075 tonnes	Sean Papa	Drains caisson.

UKCS/1550	05-Nov	58-43N: 01-22E	Oil	Diesel	0.005 tonnes	Miller	Diesel bunkering hose.
UKCS/1551	06-Nov	53-11N: 02-51E	Oil	Condensate/ Diesel	0.000075 tonnes	Sean Papa	Drains caisson.
UKCS/1552	06-Nov	58-07N: 03-05W	Oil	Diesel	0.001 tonnes	Beatrice Alpha	Hole in diesel fill line to turbine day tanks.
UKCS/1553	06-Nov	57-29N: 00-30E	Oil	Diesel	1.67 tonnes	Kittiwake Alpha	Leaking heat exchanger.
UKCS/1554	06-Nov	58-25N: 00-19W	Chemical	oxygen scavenger, biocide	3.63 kg	Claymore	Leaking flange.
UKCS/1555	10-Nov	57-05N: 00-51E	Oil	Hydraulic oil	0.0008 tonnes	MSV Acergy Petrel	Work class ROV hydraulic power system.
UKCS/1556	10-Nov	58-25N: 00-19W	Chemical	DMO (Baker Petrolite)	2, 722 kg	Claymore	Operator topping up tank failed to monitor level.
UKCS/1557	10-Nov	53-01N: 01-47E	Chemical	Versaclean OBM	Unknown	E92/Hewett	Trapped gas under annular BOP.
UKCS/1558	11-Nov	59-34N: 00-55E	Oil	Castrol Hyspin	0.08 tonnes	GSF Arctic 2	Hydraulic hose for controlling function, burst while in use.
UKCS/1559	11-Nov	60-54N: 01-25E	Oil	Diesel	0.005 tonnes	Ninian Northern	Spill from oily water caisson.
UKCS/1560	11-Nov	58-04N: 01-05E	Chemical	Oceanic HW540	1, 150 kg	Alba Northern	Subsea control module.
UKCS/1561	12-Nov	57-05N: 00-51E	Chemical	Brayco Micronic	750 kg	Gannet Alpha	Damaged hydraulic line or hose.
UKCS/1562	13-Nov	57-59N: 01-14E	Oil	Crude	0.013 tonnes	Hummingbird FPSO	Oil in open drains tank.
UKCS/1563	16-Nov	57-23N: 01-17E	Oil	AWS32 (hydraulic)	0.0002 tonnes	Ocean Nomad	Leakage from hydraulic system on ROV.
UKCS/1564	16-Nov	58-07N: 01-24W	Chemical	Oceanic HW443	350 kg	Bleo Holm	Suspected hose or connector problem.
UKCS/1565	23-Nov	57-59N: 01-14E	Oil	Marine diesel	0.002 tonnes	Hummingbird	Fractured diesel bunkering hose.
UKCS/1566	23-Nov	58-12N: 00-08E	Chemical	Oceanic HW540	318 kg	AH001	Suspected leaking hose.
UKCS/1567	24-Nov	58-07N: 01-24W	Chemical	OceanicHW443	688 kg	Bleo Holm	Suspected leak from subsea control module.
UKCS/1568	25-Nov	53-05N: 02-32E	Chemical	MEG	1, 000 kg	Thames	Large split in bunkering hose.
UKCS/1569	29-Nov	58-07N: 01-24W	Chemical	Ferric sulphate	50 kg	Bleo Holm	Filter drain valve left open following cleaning.
UKCS/1570	30-Nov	58-22N: 00-04E	Chemical	Diglycolamine	360 kg	Tartan Alpha	Corrosion to 6' discharge line.
UKCS/1571	01-Dec	54-16N: 02-19E	Chemical	Anvol CF-22	53 kg	Ensco100	Diverter valve failure.
UKCS/1630	07-Dec	60-21N: 04-04W	Chemical	TEG	1, 868 kg	Schiehallion	Drain valve left open unintentionally.
UKCS/1572	09-Dec	57-18N: 01-40E	Chemical	Brayco SV200	1 kg	ETAP	Loose fitting on well 108 wing valve hydraulic hose.
UKCS/1573	10-Dec	58-29N: 01-16E	Oil	Diesel	0.6 tonnes	Tiffany	Non hazardous drain system.
UKCS/1574	10-Dec	58-43N: 01-22E	Oil	Hydraulic	0.009 tonnes	Miller	Catastrophic failure of a hydraulic oil hose on the south crane.
UKCS/1575	11-Dec	58-07N: 01-24W	Chemical	HW443	200 kg	Bleo Holm	Small leak from hose T piece fitting.
UKCS/1576	12-Dec	61-22N: 01-35E	Oil	Crude	Unknown	Thistle Alpha	Ballast tank overflow.
UKCS/1577	12-Dec	61-08N: 03-40W	Chemical	Houghto - Safe 273 CF	1, 500 kg	Stena Carron	Rupture disk on tensioner burst.
UKCS/1578	13-Dec	56-27N: 02-17E	Chemical	Versaclean OBM	25 kg	Clyde	OBM spill due to saturation of bunding.

UKCS/1579	13-Dec	57-40N: 01-09E	Chemical	Oceanic HW 443	125 kg	Nelson	Flexible hose leak.
UKCS/1580	14-Dec	53-11N: 02-51E	Oil	Condensate/Diesel	0.000245 tonnes	Sean Papa	Drains caisson.
UKCS/1581	15-Dec	56-24N: 02-03E	Oil	Lubrication	0.002 tonnes	Auk Alpha	Emergency generator bund had hole drilled into it.
UKCS/1582	15-Dec	54-16N: 02-19E	Chemical	Oil-based mud	0.9 kg	EnSCO 100	Top dish pipe swivel packer failed.
UKCS/1583	16-Dec	53-27N: 01-43E	Oil	Diesel	0.41 tonnes	Sole Pit Clipper	Non-hazardous open drain.
UKCS/1584	16-Dec	58-19N: 00-41E	Chemical	Tuned light XL cement	11, 000 kg	JW Mclean	Human error.
UKCS/1585	17-Dec	57-08N: 00-57E	Oil	Crude	0.651 tonnes	Gannet Alpha	Known damage to flowline at GC4 tow head-pin hole.
UKCS/1586	18-Dec	53-48N: 01-01E	Oil	Hyspin AWH 15	0.05 tonnes	Hyde	Hydraulic leak from valve actuator.
UKCS/1587	19-Dec	57-59N: 01-14E	Chemical	Castrol Transaqua HT2	165 kg	Sevan Hummingbird	Subsea LP hydraulics circuit.
UKCS/1588	22-Dec	60-38N: 01-39E	Chemical	Brine	11, 800 kg	Dunbar	Passing dump valves allowing brine to enter platform caisson.
UKCS/1589	22-Dec	58-17N: 00-12E	Chemical	Portland cement mix	7, 900 kg	Scott	Human error.
UKCS/1590	23-Dec	60-38N: 01-39E	Oil	Corena S46	0.028 tonnes	Dunbar	Corrosion or erosion of the cooler.
UKCS/1591	23-Dec	57-43N: 00-54E	Oil	Diesel	0.008 tonnes	Forties Delta	Failure in swivel elbow after diesel bunkering.
UKCS/1592	23-Dec	58-17N: 00-12E	Chemical	Methanol	2, 000 kg	Scott	Leak from crimp on 3/4 hose.
UKCS/1593	25-Dec	57-00N: 01-18E	Chemical	Aqualink HT 804-F	10, 116 kg	Petrojarl Banff	Subsea well control equipment.
UKCS/1594	26-Dec	61-02N: 01-42E	Oil	Lubrication	0.08 tonnes	Brent Alpha	Suspect hazardous drain line blocked or partially blocked.
UKCS/1595	26-Dec	58-25N: 01-19W	Chemical	Oceanic HW540	1, 219 kg	Claymore	Operator error.
UKCS/1596	27-Dec	58-17N: 01.18W	Oil	Crude	0.0088 tonnes	Captain WPP	Suspected loss of drains vessel separator plate flush.

12: UKCS VESSEL DISCHARGES							
Reference	Date	Location	Category	Type	Amount	Source	Comments
UKCS/1597	08-Jan	57-45N: 01-47E	Oil	Nk	Nk	Unidentified vessel	Sheen reported by Galaxy 1 installation.
UKCS/1598	21-Jan	56-30N: 02-09E	Oil	Crude	0.013 tonnes	Unidentified vessel	Minor slick reported by Fulmar Alpha installation.
UKCS/1600	14-Feb	58-17N: 01-18E	Oil	Nk	0.0032 tonnes	Unidentified vessel	Reported by Captain WPP installation.
UKCS/1602	03-Apr	56-27N: 02-17E	Oil	Nk	0.79 tonnes	Unidentified vessel	Sheen reported by Clyde installation.
UKCS/1603	20-Apr	61-13N: 00-43E	Oil	Nk	4.3 tonnes	Unidentified vessel	Sheen reported by Sedco 704 installation.
UKCS/1604	21-Apr	59-22N: 01-33E	Oil	Nk	0.0125 tonnes	Unidentified vessel	Reported by GSF Arctic 2 installation.
UKCS/1605	22-Apr	61-13N: 00-43E	Oil	Nk	0.007 tonnes	Unidentified vessel	Reported by Sedco 704 installation.
UKCS/1606	22-Apr	56-27N: 02-17E	Oil	Nk	0.203 tonnes	Unidentified vessel	Sheen reported by Clyde installation.
UKCS/1607	30-Apr	59-45N: 01-40E	Oil	Nk	0.2 tonnes	Unidentified vessel	Reported by Bruce installation.
UKCS/1608	22-May	56-24N: 02-15E	Oil	Nk	0.007 tonnes	Unidentified vessel	Reported by Janice Alpha installation.
UKCS/1631	26-May	57-54N: 00-23E	Oil	Nk	Nk	Unidentified vessel	Heavy black sheen.
UKCS/1609	27-May	60-48N: 01-27E	Oil	Crude	Nk	Unidentified vessel	Reported by Ninian Southern installation.
UKCS/1632	28-May	60-54N: 00-39E	Oil	Nk	Nk	Unidentified vessel	Circular patch of oil 2 km across.
UKCS/1610	01-Jun	58-18N: 01-00E	Oil	Nk	0.00809 tonnes	Unidentified vessel	Reported by GSF Arctic 2 installation.
UKCS/1633	06-Jun	58-31N: 00-42E	Oil	Nk	Nk	Unidentified vessel	Patch of heavy dark oil.
UKCS/1612	26-Jun	58-02N: 01-17E	Oil	Nk	26 tonnes	Unidentified vessel	Reported by Andrew installation.
UKCS/1613	30-Jun	57-46N: 00-26E	Oil	Nk	Nk	Unidentified vessel	Reported by GSF Arctic 2 installation.
UKCS/1615	29-Jul	56-42N: 02-20E	Oil	Nk	Nk	Unidentified vessel	Reported by Judy installation.
UKCS/1616	03-Aug	58-02N: 01-08E	Oil	Nk	0.21 tonnes	Unidentified vessel	Reported by Britannia installation.
UKCS/1618	09-Aug	60-48N: 01-27E	Oil	Nk	Nk	Unidentified vessel	Reported by Ninian Southern installation.
UKCS/1619	02-Sep	57-03N: 02-07E	Oil	Nk	0.00000012 tonnes	Unidentified vessel	Reported by Paul B Lloyd Jnr installation.
UKCS/1620	05-Sep	58-28N: 00-15E	Oil	Nk	12.2 tonnes	Unidentified vessel	Reported by Piper Bravo installation.
UKCS/1621	09-Sep	56-24N: 02-15E	Oil	Nk	Nk	Unidentified vessel	Reported by Janice Alpha installation.
UKCS/1622	27-Oct	57-27N: 01-28E	Oil	Light	0.298 tonnes	Unidentified vessel	Reported by Montrose installation.
UKCS/1623	30-Oct	57-10N: 02-18E	Chemical	Castrol Transaqua HT2	2, 400 kg	MSV Skandi Barra	Discharge of water-based hydraulic fluid.
UKCS/1625	18-Nov	58-17N: 00-12E	Oil	Nk	0.009 tonnes	Unidentified vessel	Reported by Scott installation.

APPENDIX 2

SURVEY QUESTIONNAIRE AND ACCOMPANYING GUIDELINES

**ACOPS ANNUAL SURVEY OF VESSEL/OFFSHORE
SOURCED MARINE POLLUTION**

GUIDELINES TO AID COMPLETION OF THE SURVEY FORM

The survey questionnaire requests information on incidents involving a range of pollutants including mineral oil (**MARPOL I**), noxious liquid substances (**MARPOL II**), packaged dangerous/harmful goods (**MARPOL III**) and garbage (**MARPOL V**).

Reports are requested for pollution incidents attributed to discharges, or suspected discharges, from vessels and offshore installations operating within the UK Pollution Control Zone, harbour waters and national waters. Information is not required for pollution incidents attributed to land-based sources such as industrial premises, sewers and outfalls.

Annual returns can be made either by email or by post. If using email please click on the boxes provided and insert other information in the spaces provided. The email and postal versions of the survey form can be downloaded from the ACOPS website at **www.acops.org.uk** (under UK surveys on the main menu). Survey reports can be downloaded from the Maritime & Coastguard Agency's website at **www.mcga.gov.uk** under Environmental (Counter Pollution & Response) on the main menu.

Please complete a separate form for each incident. Thank you for your continued support in providing this important information.

Question	Guideline
1	Please insert name of reporting organisation. If you have nothing to report please tick the <i>no pollution to report box</i> , add respondent details (Question 17) and return the questionnaire to the address shown.
2	Identify the category of vessel/offshore sourced pollution from the options given (<i>tick appropriate box</i>). Note that in the case of garbage, an incident report is requested only in circumstances involving an illegal or accidental discharge from a specific vessel/offshore installation. An incident report is not required following observations of litter at sea or on beaches from an unknown source.
3	Insert dates of the beginning and end of the incident.
4	Please identify one or more zones affected by the pollution (<i>tick appropriate box</i>). The shoreward boundary of the open sea zone is defined as 3 nautical miles (5.6 km) from nearest land.
5	State how long the pollution remained in days or weeks (<i>insert values</i>).
6	Identify the location of the incident using geo-coordinates, national grid reference, place name or other suitable method (<i>insert details</i>).
7	If known, insert the estimated volume of pollution in litres, tonnes or cubic

	metres. Please state any other units of volume used.
8	Please indicate the overall distance in km, or state the names of settlements at the extremities, of the affected stretch of coastline.
9	Indicate whether a vessel or offshore installation was identified as a source of pollution or simply suspected on the basis of available evidence (<i>tick most appropriate box from the options given</i>). Note that incidents attributed to land-based sources of pollution are not included in this survey.
10	Please identify the most appropriate category which indicates the scale of pollution at sea or deposited on the shoreline (<i>tick appropriate boxes</i>).
11	If known, identify the type of vessel or offshore installation causing the pollution (<i>tick one of the boxes to select the appropriate response to the options given</i>).
12	Please state the name of the vessel/offshore installation, whether UK or foreign registered and operating company if known (<i>insert details in the spaces provided</i>).
13	Identify the category and type of pollution from the options given (<i>tick the appropriate box or insert relevant details in the spaces provided</i>).
14	Indicate whether a partial or complete clean-up operation was undertaken (<i>Circle appropriate option</i>).
15	Please add details of any legal proceedings initiated against alleged offenders including fines and penalties (<i>identify options as indicated and insert other information</i>). Any further information not available at the time of reporting will be requested in a separate questionnaire.
16	Add any further relevant details as indicated (<i>by inserting information in the space provided or on a separate sheet</i>). Please include any comments on how the questionnaire might be improved.
17	Please provide the background details requested including your email address which can be used in future surveys.

Trevor Dixon,
Advisory Committee on Protection of the Sea,
14 Trumpington Street,
Cambridge CB2 1QA
Tel: (01494) 521923 email: DIXON-TR@SKY.COM

Advisory Committee On Protection Of The Sea

Report of a vessel / offshore sourced pollution incident

1. Name of reporting organisation or agency

No pollution to report:

FOR ACOPS USE ONLY

Questionnaire No. _____

Incident No. _____

Enumeration area: _____

2. Does this report describe an incident involving:

1. Mineral oil

2. Garbage

3. Vegetable / animal oil

4. Chemical substance

5. Other

(select appropriate box)

3. When did pollution occur ? (insert dates)

Year _____

	start	finish
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		

4. Zone polluted

1. Open sea

2. Tidal river or estuary

3. Bay or nearshore waters

4. Beach or shore

5. Port or harbour

6. Other

0. Not known

(select appropriate box)

6. Position or location of pollution

Lat. / Long. OR National grid coordinates if known

(insert details)

5. Length of time pollution remained:

At sea _____ days weeks

not known

On shore _____ days weeks

not known

(insert details and select units)

8. Length of coast affected

_____ kms

OR from: _____

to: _____

OR not known:

(insert details or select 'not known')

7. Estimated volume of pollution

_____ litres not known

m³

tonnes

(insert amount and select units)

9. Source of pollution

Vessel / offshore installation identified

Vessel / offshore installation suspected

Not known

(select appropriate box)

10. Intensity or degree of pollution

<p><i>On water</i></p> <p>1. Film, scattered blobs or lumps <input type="checkbox"/></p> <p>2. Slick up to 3 metres (10') wide <input type="checkbox"/></p> <p>3. Several slicks up to 3 metres (10') wide; or big slick 100 metres (300') extent <input type="checkbox"/></p> <p>4. Large slick, 100 metres to 1.6 km (1 mile) in extent <input type="checkbox"/></p> <p>5. Very large slick over 1.6km (1 mile) in extent <input type="checkbox"/></p> <p>0. Not known <input type="checkbox"/></p> <p><i>(select appropriate box)</i></p>	<p><i>On shore</i></p> <p>Film, blobs or lumps on shore or debris <input type="checkbox"/></p> <p>Band up to 1 metre wide <input type="checkbox"/></p> <p>Band of pollution several metres wide, or large patches all over the shore <input type="checkbox"/></p> <p>Very thick band of pollution; exposed shore 50% to 80% covered <input type="checkbox"/></p> <p>Shore totally covered with pollution <input type="checkbox"/></p> <p>Not known <input type="checkbox"/></p> <p><i>(select appropriate box)</i></p>
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Continued overleaf

11. Type of vessel or offshore installation

1. Coastal tanker / VLCC

2. Chemical tanker

3. General cargo vessel

4. Fishing vessel

5. Offshore support vessel

6. Pleasurecraft

7. Offshore oil installation

8. Wreck

9. Other

10. Not known

(select appropriate box)

12. Name of vessel or offshore installation and name of operating company

Vessel / installation name

Operating company

Nationality: UK

Foreign

Not known

(insert details and select appropriate box)

13. Type of pollution (tick appropriate box)

Mineral oil		Garbage		Other substance
Crude <input type="checkbox"/>		Galley wastes <input type="checkbox"/>		Vegetable oil <input type="checkbox"/>
Lubrication <input type="checkbox"/>		Fishing wastes <input type="checkbox"/>		Fish oil <input type="checkbox"/>
Hydraulic <input type="checkbox"/>		Cargo residues <input type="checkbox"/>		Synthetic mud <input type="checkbox"/>
Fuel <input type="checkbox"/>		Unidentified <input type="checkbox"/>		Unidentified <input type="checkbox"/>
Gas <input type="checkbox"/>		Other <i>(specify)</i>		Other <i>(specify)</i>
Diesel <input type="checkbox"/>		<input type="text"/>		<input type="text"/>
Lumps <input type="checkbox"/>		<input type="text"/>		<input type="text"/>
Unidentified <input type="checkbox"/>		<input type="text"/>		<input type="text"/>
Other <i>(specify)</i>				
<input type="text"/>				

(select appropriate option or add details)

14. Clean - up

Was a clean-up operation undertaken? Yes

No

(select appropriate option)

15. Legal proceedings

None initiated

Proceedings initiated but no further details known

Prosecution brought by: *(insert organisation below)*

Verdict: guilty

admonished

not guilty

Amount of fine: £

(select appropriate option or add value)

16. Additional information on incident

Please add any further relevant details describing the incident including causes, damage or detrimental effects and any rehabilitation measures undertaken. *(please insert details below)*

17. Report completed by: *(insert details)*

Name:

Address:

Position:

Telephone:

E-mail:

Date: