



*Committee for safety of offshore operations*

*(Pursuant to the Article 8 of the Legislative Decree 18<sup>th</sup> August 2015, n. 145)*

*The President*

**Report on the state and safety  
of the offshore activities in  
the hydrocarbon upstream sector**

*according to*

*the article 24 (paragraphs 1 and 2) and the article 25 (paragraphs 1 and 2)  
of the Legislative Decree 18<sup>th</sup> August 2015, n. 145*

*and*

*the Commission Implementing Regulation (EU) n. 1112/2014*

**Italy**

**Year 2019**

Legend

[✓...]: The symbol “✓”, followed by a letter, indicates that further information is reported in the attached *methodological and accompanying notes*.

[REV.0]

## SECTION 1

### PROFILE

#### Information on Member State and Reporting Authority

- a. Member State: **Italy**
  
- b. Reporting period: (Calendar Year) **2019**
  
- c. Competent Authority:  
**Committee for safety of offshore operations**  
*(pursuant to art. 8, Legislative Decree 18<sup>th</sup> August 2015, n. 145)*
  
- d. Designated Reporting Authority:  
**President of Committee for safety of offshore operations**  
*(pursuant to art. 11, Decree of the President of the Council of Ministers 27<sup>th</sup> Sept 2016)*
  
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## SECTION 2

### INSTALLATIONS

**2.1. Fixed installations:** detailed list of installations for offshore oil and gas operations in Italy (on 1<sup>st</sup> January of the year 2019), including their type (i.e. fixed manned, fixed normally unmanned, floating production, fixed non-production), year of installation and location.

Table 2.1[✓a]

#### Installations within jurisdiction of Italy on 1<sup>st</sup> January 2019

**Description of the options for some of the fields in the table:**

• **Type of installation:**

- **FMI** [Fixed manned installation];
- **NUI** [(Fixed) normally unmanned];
- **FPI** [Floating production installation];
- **FNP** [Fixed non production installation].

• **Type of fluid:**

- **oil;**
- **gas;**
- **condensate;**
- **oil/gas;**
- **oil/condensate.**

N.	Name or ID	Type of installation [✓b]	Year of installation [✓c]	Type of fluid	Number of beds	Coordinates in WGS 84 [✓d]	
						<i>longitude</i>	<i>latitude</i>
1	Ada 2	NUI	1982	gas	0	12.591285	45.183634
2	Ada 3	NUI	1982	gas	0	12.591176	45.183361
3	Ada 4	NUI	1982	gas	0	12.590910	45.183561
4	Agostino A	NUI	1970	gas	19	12.495518	44.54018
5	Agostino A Cluster	NUI	1991	gas	0	12.496197	44.540685

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates in WGS 84	
		[✓b]	[✓c]			[✓d]	<i>longitude</i>
6	Agostino B	NUI	1971	gas	19	12.471569	44.554372
7	Agostino C	NUI	1992	gas	0	12.494523	44.547174
8	Alba Marina	FPI	2012	oil	50	14.939078	42.201212
9	Amelia A	NUI	1971	gas	19	12.660836	44.405716
10	Amelia B	NUI	1991	gas	19	12.662218	44.407503
11	Amelia C	NUI	1991	gas	0	12.662895	44.406935
12	Amelia D	NUI	1992	gas	0	12.661276	44.407901
13	Anemone B	NUI	1999	gas	0	12.704814	44.229289
14	Anemone Cluster	NUI	1979	gas	0	12.70531	44.212786
15	Angela Angelina	FMI	1997	gas	25	12.343127	44.391172
16	Angela Cluster	NUI	1975	gas	0	12.344848	44.392973
17	Annabella	NUI	1991	gas	24	13.078865	44.228781
18	Annalisa	NUI	1999	gas	0	13.113554	44.171042
19	Annamaria B	FMI	2009	gas	19	13.407327	44.322576
20	Antares 1	NUI	1982	gas	0	12.444429	44.393988
21	Antares A	NUI	1985	gas	0	12.453493	44.390057
22	Antonella	NUI	1976	gas	17	12.776663	44.214442
23	Aquila 2	NUI	1993	oil	0	18.327114	40.930188
24	Aquila 3	NUI	1995	oil	0	18.32532	40.918159
25	Argo 1	NUI	2006	gas	0	13.821989	36.916622

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates in WGS 84 [✓d]	
		[✓b]	[✓c]	<i>longitude</i>		<i>latitude</i>	
26	Argo 2	NUI	2008	gas	0	13.805449	36.926058
27	Arianna A	FMI	1984	gas	17	12.628146	44.306251
28	Arianna Cluster	NUI	1992	gas	0	12.62743	44.305788
29	Armida 1	NUI	1973	gas	0	12.44954	44.475932
30	Armida A	NUI	1985	gas	19	12.453192	44.480303
31	Azalea A	NUI	1984	gas	0	12.714258	44.171769
32	Azalea B DR	NUI	1987	gas	0	12.720562	44.166817
33	Azalea B PROD	NUI	1987	gas	0	12.720768	44.166169
34	Barbara A	NUI	1978	gas	0	13.803467	44.047208
35	Barbara B	NUI	1983	gas	18	13.741427	44.091609
36	Barbara C	FMI	1985	gas	42	13.781867	44.076859
37	Barbara D	NUI	1986	gas	42	13.809339	44.030369
38	Barbara E	FMI	1987	gas	27	13.757562	44.086474
39	Barbara F	NUI	1988	gas	42	13.817099	44.050183
40	Barbara G	NUI	1992	gas	12	13.79153	44.063905
41	Barbara H	NUI	1992	gas	0	13.762702	44.069387
42	Barbara NW	NUI	1999	gas	0	13.648827	44.108865
43	Barbara T	NUI	1985	gas	0	13.781345	44.077277
44	Barbara T2	NUI	2000	gas	0	13.78203	44.077718
45	Basil	NUI	1983	gas	18	13.001086	44.131649

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates in WGS 84 [✓d]	
		[✓b]	[✓c]	<i>longitude</i>		<i>latitude</i>	
46	Benedetta 1	NUI	2006	gas	0	12.581966	44.1794
47	Bonaccia	NUI	1999	gas	18	14.359527	43.592497
48	Bonaccia Est 2	NUI	2010	gas	0	14.437581	43.578672
49	Bonaccia Est 3	NUI	2010	gas	0	14.437583	43.578614
50	Bonaccia NW	NUI	2015	gas	0	14.335723	43.599803
51	Brenda PERF	NUI	1987	gas	0	13.044925	44.116443
52	Brenda PROD	FMI	1987	gas	19	13.045114	44.115802
53	Calipso	NUI	2002	gas	0	13.863461	43.827416
54	Calpurnia	NUI	2000	gas	16	14.153981	43.899535
55	Camilla 2	NUI	2001	gas	0	14.246376	42.897839
56	Cassiopea 1	NUI	2008	gas	0	13.732618	36.936642
57	Cervia A	FMI	1986	gas	18	12.639005	44.294608
58	Cervia A Cluster	NUI	1992	gas	0	12.639697	44.295105
59	Cervia B	NUI	1984	gas	17	12.645428	44.288823
60	Cervia C	NUI	1992	gas	12	12.640079	44.30165
61	Cervia K	NUI	2000	gas	0	12.639076	44.295474
62	Clara Est	NUI	2000	gas	0	14.071618	43.779617
63	Clara Nord	NUI	2000	gas	0	13.976674	43.939355
64	Clara NW	NUI	2015	gas	0	14.023295	43.802145
65	Clara Ovest	NUI	1987	gas	0	13.711516	43.828681

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates in WGS 84 [✓d]	
		[✓b]	[✓c]	<i>longitude</i>		<i>latitude</i>	
66	Daria A	NUI	1994	gas	0	13.249138	44.067586
67	Daria B	NUI	1995	gas	12	13.249706	44.066931
68	Davide	NUI	1980	gas	0	14.017133	43.095985
69	Davide 7	NUI	2002	gas	0	14.016886	43.095755
70	Diana	NUI	1971	gas	0	12.425718	44.441373
71	Elena 1	NUI	1989	gas	0	14.210255	43.040689
72	Eleonora	NUI	1987	gas	17	14.155689	42.840158
73	Elettra	NUI	2014	gas	0	14.215197	43.764413
74	Emilio	NUI	2001	gas	0	14.243294	42.934945
75	Emilio 3	NUI	1980	gas	0	14.23388	42.938165
76	Emma Ovest	FMI	1982	gas	31	14.379206	42.808505
77	Fabrizia 1	NUI	1998	gas	0	14.00114	43.041377
78	Fauzia	NUI	2014	gas	0	13.554058	44.056355
79	Fratello Cluster	NUI	1979	gas	0	14.168514	42.610534
80	Fratello Est 2	NUI	1980	gas	0	14.172827	42.576845
81	Fratello Nord	NUI	1980	gas	0	14.170126	42.648861
82	Garibaldi A	NUI	1969	gas	27	12.510457	44.523023
83	Garibaldi A Cluster	NUI	1991	gas	0	12.51205	44.523727
84	Garibaldi B	NUI	1969	gas	27	12.531292	44.487009
85	Garibaldi C	FMI	1992	gas	34	12.51528	44.531601



N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates in WGS 84 [✓d]	
		[✓b]	[✓c]	<i>longitude</i>		<i>latitude</i>	
86	Garibaldi D	NUI	1993	gas	16	12.546062	44.478183
87	Garibaldi K	NUI	1998	gas	0	12.516137	44.532077
88	Garibaldi T	NUI	1998	gas	0	12.511376	44.523311
89	Gela 1	NUI	1960	oil	19	14.26955	37.032157
90	Gela Cluster	NUI	1986	oil	0	14.269454	37.032449
91	Giovanna	NUI	1992	gas	39	14.463941	42.768002
92	Giulia 1	NUI	1980	gas	0	12.753326	44.13104
93	Guendalina	NUI	2011	gas	0	12.881491	44.566435
94	Hera Lacinia 14	NUI	1992	gas	0	17.165078	39.058611
95	Hera Lacinia BEAF	NUI	1998	gas	0	17.172791	39.061388
96	Jole 1	NUI	1999	gas	0	13.926435	43.040959
97	Leonis	FPI	2009	oil	49	14.637158	36.559805
98	Luna 27	NUI	1987	gas	0	17.214444	39.088056
99	Luna 40 SAF	NUI	1995	gas	0	17.204166	39.091944
100	Luna A	FMI	1976	gas	18	17.181692	39.114236
101	Luna B	FMI	1992	gas	14	17.200158	39.084925
102	Morena 1	NUI	1996	gas	0	12.482887	44.231073
103	Naide	NUI	2005	gas	0	12.745412	44.343275
104	Naomi Pandora	NUI	2000	gas	0	12.847416	44.689089
105	Panda 1	NUI	2002	gas	0	13.623818	37.00661

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates in WGS 84 [✓d]	
		[✓b]	[✓c]	<i>longitude</i>		<i>latitude</i>	
106	Panda W1	NUI	2003	gas	0	13.594536	37.000607
107	Pennina	NUI	1988	gas	0	14.163626	43.021356
108	Perla	NUI	1981	oil	17	14.216245	36.954193
109	Porto Corsini 73	NUI	1996	gas	0	12.579101	44.385037
110	Porto Corsini 80	NUI	1981	gas	0	12.546216	44.40564
111	Porto Corsini 80 bis	NUI	1983	gas	0	12.520281	44.423353
112	Porto Corsini C	NUI	1987	gas	19	12.560198	44.391356
113	Porto Corsini M S1	NUI	2000	gas	0	12.588897	44.348638
114	Porto Corsini M S2	NUI	2001	gas	0	12.576923	44.368807
115	Porto Corsini W A	NUI	1968	gas	0	12.359541	44.511783
116	Porto Corsini W B	NUI	1968	gas	0	12.373809	44.509278
117	Porto Corsini W C	NUI	1987	gas	19	12.372787	44.508964
118	Porto Corsini W T	NUI	1987	gas	19	12.359295	44.51238
119	Prezioso	NUI	1986	oil	19	14.045081	37.009175
120	Regina	NUI	1997	gas	0	12.840342	44.10492
121	Regina 1	NUI	1997	gas	0	12.834209	44.102781
122	Rospo Mare A	NUI	1981	oil	2	14.970746	42.203712
123	Rospo Mare B	NUI	1986	oil	4	14.946579	42.213157
124	Rospo Mare C	NUI	1991	oil	2	14.931856	42.235657
125	San Giorgio Mare 3	NUI	1972	gas	0	13.923748	43.197901

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates in WGS 84 [✓d]	
		[✓b]	[✓c]	<i>longitude</i>		<i>latitude</i>	
126	San Giorgio Mare 6	NUI	1981	gas	0	13.920136	43.206235
127	San Giorgio Mare C	NUI	1972	gas	0	13.901802	43.202624
128	Santo Stefano Mare 101	NUI	1987	gas	0	14.607395	42.22899
129	Santo Stefano Mare 1-9	NUI	1968	gas	0	14.59295	42.231768
130	Santo Stefano Mare 3-7	NUI	1968	gas	0	14.610729	42.219268
131	Santo Stefano Mare 4	NUI	1975	gas	0	14.675454	42.207323
132	Santo Stefano Mare 8 bis	NUI	1991	gas	0	14.636563	42.21649
133	Sarago Mare 1	NUI	1981	oil	0	13.785407	43.32096
134	Sarago Mare A	NUI	1981	oil	0	13.788738	43.288851
135	Simonetta 1	NUI	1997	gas	0	14.183769	42.559691
136	Squalo	NUI	1980	gas	0	14.244378	42.715657
137	Tea	NUI	2007	gas	0	13.018813	44.501557
138	Vega A	FMI	1986	oil	75	14.625491	36.540638
139	Viviana 1	NUI	1998	gas	0	14.155051	42.656403
140	Vongola Mare 1	NUI	1985	gas	0	13.811731	43.253892

## 2.2. Changes since the previous reporting year

- a. **New fixed installations:** list of new fixed installations, entered in operation during the reporting period (year 2019):

Table 2.2.a [✓e]

### New fixed installations entered in operation during the reporting period

**Description of the options for some of the fields in the table:**

*please, refer to the description of the table 2.1*

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates in WGS 84 [✓d]	
		[✓b]	[✓c]			<i>longitude</i>	<i>latitude</i>
-	-	-	-	-	-	-	-
<b>No new offshore installations</b> entered into operation during the year 2019.							

- b. **Fixed Installations out of operation:** list of installations that went out of offshore oil and gas operations during the reporting period (year 2019):

Table 2.2.b [✓f]

### Installations that were decommissioned during the reporting period

**Description of the options for some of the fields in the table:**

*please, refer to the description of the table 2.1*

Name or ID	Type of installation	Year of installation	Coordinates in WGS 84 [✓d]		Temporary / Permanent
	[✓b]	[✓c]	<i>longitude</i>	<i>latitude</i>	
-	-	-	-	-	-
<b>No offshore installations</b> were decommissioned during the the year 2019					

**2.3. Mobile installations:** list of mobile installations carrying out operations during the reporting period (year 2019) [MODUs and other non-production installations]:

Table 2.3  
**Mobile installations** [✓g]

**Description of the options for some of the fields in the table:**

- **Type of installation:**
  - **MODU** [Mobile Offshore Drilling Unit];
  - **other non-production installations.**
- **Geographical area of operations, e.g.:** *South North Sea, North Adriatic*

Name or ID	Type of installation	Year of construction	Number of beds	Geographical area of operations and duration			
				Area 1	Duration (months)	Area 2	Duration (months)
Key Manhattan	MODU (Jack-Up Drilling Unit)	1980	101	Adriatic Sea	12		

**2.4. Information for data normalization purposes** [✓h]. Total number of actual offshore working hours and total production in the reporting period (year 2019):

a. Total number of actual offshore working hours for all installations: **2 710 426 h**

b. Total production: **2 850 ktoe** (offshore)

Oil production: **0.45\*10<sup>6</sup> t** (offshore)

Gas production: **2.93\*10<sup>9</sup> Scm** (offshore)

## SECTION 3

### REGULATORY FUNCTIONS AND FRAMEWORK

#### 3.1. Inspections [✓i]

Number of offshore inspections performed during the reporting period (year 2019).

Table 3.1

Number of offshore inspections	Man-days spent on installation (travel time not included)	Number of inspected installations
191	168	71

#### 3.2. Investigations

Number and type of investigations performed during the reporting period (year 2019).

a. *following* major accidents: **1**

(pursuant to Article 26 of Directive 2013/30/EU)

b. *following* safety and environmental concerns: **0**

(pursuant to Article 22 of Directive 2013/30/EU)

#### 3.3. Enforcement actions

Main enforcement actions or convictions performed in the reporting period (year 2019), pursuant to Article 18 of Directive 2013/30/EU.

Narrative:

.....//.....  
.....//.....

**3.4. Major changes in the offshore regulatory framework:** major changes in the offshore regulatory framework during the reporting period (year 2019).

- **Law No. 160 of 27 December 2019** concerning "State budget for the 2020 financial year and multi-year budget for the three-year period 2020-2022".

The article. 1, paragraph 736, of Law No. 160/2019 amends the framework of the royalties (art. 19 of Legislative Decree No. 625 of 25 November 1996) paid by the licensees, eliminating the exemption for the first 20 million standard cubic meters of gas and 20 000 tonnes of oil, produced annually onshore and for the first 50 million standard cubic meters of gas and 50 000 tonnes of oil, produced annually offshore. Furthermore, starting from 1 January 2020, the exemptions from the payment of royalties, established to take into account the economic marginality as well as the production costs (including the treatment and transport ones), apply only to exploitation licenses with annual production less than or equal to 10 million standard cubic meters of onshore gas and less than or equal to 30 million standard cubic meters of offshore

gas. The payment of the royalties, previously subject to exemption, is made in cumulative form (for all the concessions held by the taxable entity), directly to the Central State Treasury.

- **Decree-Law No. 124 of 26 October 2019, converted, with modifications, by Law No. 157/2019 containing "Urgent provisions on fiscal matters and for non-deferrable needs".**

In order to overcome the long-standing national dispute on the matter, the article 38 of Law Decree No. 124/2019 introduces, starting from 2020, a real estate tax for marine platforms, concerning all the emerged structures for the production of hydrocarbons, located in the territorial sea. The taxable base is calculated taking into consideration the accounting records, given that the assets in question are not subject to inventory process of the national real estate registry. The revenues from the new tax are destined in part to the State and in part to the municipalities.

- **Decree-Law No. 135 of 14 December 2018, containing "Urgent provisions on support and simplification for businesses and public administration" converted, with modifications, by Law No. 12/2019**

The article 11-ter (*Plan for the sustainable energy transition of the suitable areas*) was introduced with the conversion of the Decree-Law No. 135 of 14 December 2018, through the Law 12/2019. The article 11-ter establishes the planning of suitable areas for carrying out the activities of prospecting, exploration and exploitation of hydrocarbons on national territories and seas, so that such activities are compatible with the structure of the territory and sustainable from a social, environmental and economic point of view. With particular reference to marine areas, in addition to taking into account any other pre-existing plans, the plan (so-called *PiTESAI*) must also consider the possible effects on the ecosystem, as well as the analysis of sea routes, the zone relevance for fishing and the possible interference on the coasts. The *PiTESAI* must also indicate times and methods for the decommissioning of installations that have ceased their activities and for the reconditioning of the relative places.

The *PiTESAI* must be adopted by February 2021, after a strategic environmental assessment; until February 2021:

- administrative procedures continue for conferring new exploitation licenses, if already underway;
- submission of new applications is not allowed for exploitation licenses;
- administrative procedures in progress are suspended, if they concern the granting of new prospecting or exploration permits for hydrocarbons;
- the hydrocarbon prospecting and exploration activities are suspended, without prejudice to the obligation to guarantee the safety of the places.

When the *PiTESAI* will be adopted: the suspended O&G permits will be effective again in the areas that are compatible with the hydrocarbons activities; in the incompatible areas, the submitted applications will be rejected, the existing prospecting and exploration permits will be revoked (with the obligation for the permit holder to recondition the state of the area) and, instead, the exploitation activities will continue until the expiry of the license and no new requests for extension will be accepted.

Finally, the law also establishes an increase in mining taxes, starting from 1 June 2019.

- **Ministerial Decree of 15 February 2019** containing "*National guidelines for the decommissioning of offshore oil and gas platforms and related infrastructure*"

The guidelines were adopted in application of art. 25, paragraph 6, of the Legislative Decree of 16 June 2017, n. 104, concerning «*the implementation of Directive 2014/52/EU of the European Parliament and of the Council of 16 April 2014, amending Directive 2011/92/EU, on the assessment of the effects of certain public and private projects on the environment, pursuant to Articles 1 and 14 of Law no. 114 of 9 July 2015*»

This measure defines the procedures for the decommissioning of platforms and the related infrastructures, located in the territorial sea and continental shelf, for depleted or no longer usable hydrocarbon fields.

The objective of the Guidelines is to identify the best available technologies for offshore platform decommissioning, so that the entire process is environmentally and socially compatible, in compliance with the Marine Strategy, as well as technically and economically viable.

According to the provision, by 31 March of each year, the O&G license holders must communicate, to the Ministry of Economic Development, the list of platforms whose wells will be permanently plugged, attaching a descriptive technical report on the state of the installations.

By 30 June of each year, taking into account the evaluations of the Ministry of the Environment and the Ministry of Cultural Heritage and Activities, the Ministry of Economic Development publishes the list of the platforms to be decommissioned and in particular those that can be reused. Any alternative innovative uses of the platforms can be evaluated and promoted, with the perspective of circular economy and blue growth. If companies or other entities are interested in re-use of a decommissioned platform, they can submit their project within 12 months of the publication of the list. The applications submitted will be evaluated by the competent administration, on the basis of specific criteria such as innovation, socio-economic impact, sustainability and execution times.



**SECTION 4**  
**INCIDENT DATA AND PERFORMANCE OF OFFSHORE OPERATIONS**

**4.1 Incident data** [✓l]

Number of reportable events pursuant to Annex IX: **2**

of which identified to be major accidents: **1**

**4.2 Annex IX Incident Categories** [✓m] [✓n]

Table 4.2

Annex IX categories	Number of events	No. event working hours	No. event ktoe
<b>a) Unintended releases</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Ignited oil/gas releases - Fires</i>	-	-	-
<i>Ignited oil/gas releases - Explosions</i>	-	-	-
<i>Not ignited gas releases</i>	-	-	-
<i>Not ignited oil releases</i>	-	-	-
<i>Hazardous substances released</i>	-	-	-
<b>b) Loss of well control</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Blowouts</i>	-	-	-
<i>Activation of BOP / diverter system</i>	-	-	-
<i>Failure of a well barrier</i>	-	-	-
<b>c) Failure of SECE's (Safety and Environmental Critical Elements)</b>	<b>1</b>	<b>0.369*10<sup>-6</sup></b>	<b>0.351*10<sup>-3</sup></b>
<b>d) Loss of structural integrity</b>	<b>2</b>	<b>0.738*10<sup>-6</sup></b>	<b>0.702*10<sup>-3</sup></b>
<i>Loss of structural integrity</i>	2	0.738*10 <sup>-6</sup>	0.702*10 <sup>-3</sup>
<i>Loss of stability/buoyancy</i>	-	-	-
<i>Loss of station keeping</i>	-	-	-
<b>e) Vessel collisions</b>	<b>1</b>	<b>0.369*10<sup>-6</sup></b>	<b>0.351*10<sup>-3</sup></b>
<b>f) Helicopter accidents</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>g) Fatal accidents (*)</b> [✓o]	<b>1</b>	<b>0.369*10<sup>-6</sup></b>	<b>0.351*10<sup>-3</sup></b>
<b>(h) Serious injuries to 5 or more persons in the same accident (*)</b> [✓o]	<b>0</b>	<b>0</b>	<b>0</b>
<b>i) Evacuations of personnel</b>	<b>1</b>	<b>0.369*10<sup>-6</sup></b>	<b>0.351*10<sup>-3</sup></b>
<b>j) Environmental accidents</b>	<b>0</b>	<b>0</b>	<b>0</b>

(\*) only if related to a major accident

#### 4.3 Total number of fatalities and injuries [✓o] (\*\*)

Table 4.3

	Number	<u>No. event working hours</u>
Total number of fatalities	1	$0.369 * 10^{-6}$
Total number of serious injuries	9	$3.32 * 10^{-6}$
Total number of injuries	16	$5.90 * 10^{-6}$

(\*\*) a total number as reported pursuant to Directive 92/91/EEC

#### 4.4 Failures of Safety and Environmental Critical Elements (SECEs) [✓n]

Table 4.4

SECE	Number related to major accidents
a) Structural integrity systems	1
b) Process containment systems	0
c) Ignition control systems	0
d) Detection systems	0
e) Process containment relief systems	0
f) Protection systems	0
g) Shutdown systems	0
h) Navigational aids	0
i) Rotating equipment – power supply	0
j) Escape, evacuation and rescue equipment	0
k) Communication systems	0
l) other	0

#### 4.5. Direct and underlying causes of major incidents

Please, take in consideration that the table 4.5 has not been filled in because the technical investigations relating to the major accident, reported in par. 4.1, are still in progress at the date of report publication.

Table 4.5

Causes	Number of incidents	Causes	Number of incidents
<b>a) Equipment-related causes</b>	/	<b>c) Procedural / organisational error</b>	/
<i>Design failure</i>	/	<i>Inadequate risk Assessment/perception</i>	/
<i>Internal corrosion</i>	/	<i>Inadequate instruction/procedure</i>	/
<i>External corrosion</i>	/	<i>Non-compliance with procedure</i>	/
<i>Mechanical failure due to fatigue</i>	/	<i>Non-compliance with permit-to-work</i>	/
<i>Mechanical failure due to wear-out</i>	/	<i>Inadequate communication</i>	/
<i>Mechanical failure due to defected material</i>	/	<i>Inadequate personnel competence</i>	/
<i>Mechanical failure (vessel/helicopter)</i>	/	<i>Inadequate supervision</i>	/
<i>Instrument failure</i>	/	<i>Inadequate safety leadership</i>	/
<i>Control system failure</i>	/	<i>Other</i>	/
<i>Other</i>	/		
<b>b) Human error – operational failure</b>	/	<b>d) Weather-related causes</b>	/
<i>Operation error</i>	/	<i>Wind in excess of limits of design</i>	/
<i>Maintenance error</i>	/	<i>Wave in excess of limits of design</i>	/
<i>Testing error</i>	/	<i>Extremely low visibility in excess of system design</i>	/
<i>Inspection error</i>	/	<i>Presence of ice/icebergs</i>	/
<i>Design error</i>	/	<i>Other</i>	/
<i>Other</i>	/		

**4.6. Which are the most important lessons learned from the incidents that deserve to be shared?**

*Please, take in consideration that the paragraph has not been filled in because the technical investigations relating to the major accident, reported in par. 4.1, are still in progress at the date of report publication.*

Narrative:

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**END OF THE REPORT**