



Committee for safety of offshore activities

(Pursuant to the Article 8 of the Legislative Decree 18 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 18th August 2015, n. 145

and

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

Italy


Year 2022

SECTION 1

PROFILE

Information on Member State and Reporting Authority

- a. Member State: Italy
- b. Reporting period: (Calendar Year) 2022
- c. Competent Authority:
Committee for safety of offshore operations
(pursuant to art. 8, Legislative Decree of 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 of Sep 2016)
- e. Contact details: Secretary of the Committee for safety of offshore operations
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The following symbol  means there is additional information in the accompanying methodological notes

SECTION 2
INSTALLATIONS

2.1. Fixed installations detailed list of installations for offshore gas operations in Italy (on 1st January of the year 2021), including their type (i.e. fixed manned, fixed normally unmanned, floating production, fixed production), year of installation and location:

Table 2.1 a)
Installations within jurisdiction 31 December 2022

<i>Type of installation</i> FMI [Fixed manned installation] NUI [(Fixed) normally unmanned installation] FNP [Fixed non production installation]; <i>Type of fluid</i> Oil; Gas Condensate Oil/Gas Oil/Condensate							
N.	Name or ID [J b]	Type of installation [J c]	Year of installation [J d]	Type of fluid	Number of beds [J e]	Coordinates [J f]	
						(longitude)	(latitude)
1	Ada 2	NUI	1982	gas	0	12591285	45183634
2	Ada 3	NUI	1982	gas	0	12591176	45183361
3	Ada 4	NUI	1982	gas	0	12590910	45183561
4	Agostino A	NUI	1970	gas	27	12495518	44540180
5	Agostino A Cluster	NUI	1991	gas	0	12496197	44540685
6	Agostino B	NUI	1971	gas	27	12471569	44554372
7	Agostino C	NUI	1992	gas	0	12494523	44547174
8	Alba Marina	FPI	2012	oil	50	14939078	42201212
9	Amelia A	NUI	1971	gas	27	12660836	44405716
10	Amelia B	NUI	1991	gas	29	12662218	44407503
11	Amelia C	NUI	1991	gas	0	12662895	44406935
12	Amelia D	NUI	1992	gas	0	12661276	44407901

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates	
						(longitude)	(latitude)
13	Anemone B	NUI	1999	gas	0	12.704814	44.229289
14	Anemone Cluster	NUI	1979	gas	0	12.705310	44.212786
15	Angela Angelina	FMI	1997	gas	24	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	NUI	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	44.390051
22	Antonella	NUI	1976	gas	19	12.776663	44.214442
23	Aquila 2	NUI	1993	oil	0	18.327114	40.930188
24	Aquila 3	NUI	1995	oil	0	18.325320	40.918159
25	Argo 1	NUI	2006	gas	0	13.821989	36.916622
26	Argo 2	NUI	2008	gas	0	13.805449	36.926058
27	Arianna A	FMI	1984	gas	19	12.628146	44.306251
28	Arianna Cluster	NUI	1992	gas	0	12.627430	44.305788
29	Armida 1	NUI	1973	gas	0	12.449540	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

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates	
						(longitude)	(latitude)
33	Azalea B PROD	NUI	1987	gas	19	12.720768	44.166169
34	Barbara A	NUI	1978	gas	0	13.803467	44.047208
35	Barbara B	NUI	1983	gas	17	13.741427	44.091609
36	Barbara C	FMI	1985	gas	42	13.781867	44.076859
37	Barbara D	NUI	1986	gas	43	13.809339	44.030369
38	Barbara E	NUI	1987	gas	27	13.757562	44.086474
39	Barbara F	NUI	1988	gas	43	13.817099	44.050183
40	Barbara G	NUI	1992	gas	12	13.791530	44.063903
41	Barbara H	NUI	1992	gas	12	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	13.782030	44.077718
45	Basil	NUI	1983	gas	19	13.001086	44.131649
46	Benedetta 1	NUI	2006	gas	0	12.581966	44.179400
47	Bonaccia	FMI	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	NUI	1987	gas	19	13.045114	44.115802

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates	
						(longitude)	(latitude)
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	21	12.639005	44.294608
58	Cervia A Cluster	NUI	1992	gas	0	12.639697	44.295105
59	Cervia B	NUI	1984	gas	19	12.645428	44.288823
60	Cervia C	NUI	1992	gas	12	12.640079	44.301650
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	43.828687
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	19	14.155689	42.840158

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates	
						(longitude)	(latitude)
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	14.233880	42.938165
76	Emma Ovest	FMI	1982	gas	19	14.379206	42.808505
77	Fabrizia 1	NUI	1998	gas	0	14.001140	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 Cluste	NUI	1991	gas	0	12.512050	44.523727
84	Garibaldi B	NUI	1969	gas	27	12.531292	44.487009
85	Garibaldi C	FMI	1992	gas	24	12.515280	44.531601
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	14.269550	37.032157
90	Gela Cluster	NUI	1986	oil	0	14.269454	37.032449
91	Giovanna	NUI	1992	gas	19	14.463941	42.768002

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates	
						(longitude)	(latitude)
92	Giulia 1	NUI	1980	gas	0	12.753326	44.131040
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 BEA	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	36.559803
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	NUI	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	37.006610
106	Panda W1	NUI	2003	gas	0	13.594536	37.000607
107	Pennina	NUI	1988	gas	19	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	44.405640
111	Porto Corsini 80 bis	NUI	1983	gas	0	12.520281	44.423353

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates	
						(longitude)	(latitude)
112	Porto Corsini C	NUI	1987	gas	19	12.560198	44.391356
113	Porto Corsini M	NUI	2000	gas	0	12.588897	44.348633
114	Porto Corsini M	NUI	2001	gas	0	12.576923	44.368800
115	Porto Corsini W	NUI	1968	gas	0	12.359547	44.511783
116	Porto Corsini W	NUI	1968	gas	0	12.373809	44.509278
117	Porto Corsini W	NUI	1987	gas	19	12.372787	44.508961
118	Porto Corsini W	NUI	1987	gas	19	12.359295	44.512380
119	Prezioso	NUI	1986	oil	19	14.045087	37.009175
120	Regina	NUI	1997	gas	0	12.840342	44.104920
121	Regina 1	NUI	1997	gas	0	12.834209	44.102787
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	42.235655
125	San Giorgio Mare	NUI	1972	gas	0	13.923748	43.197907
126	San Giorgio Mare	NUI	1981	gas	0	13.920136	43.206233
127	San Giorgio Mare C	NUI	1972	gas	0	13.901802	43.202623
128	Santo Stefano Mare 101	NUI	1987	gas	0	14.607395	42.228991
129	Santo Stefano Mare 19	NUI	1968	gas	0	14.592950	42.231768
130	Santo Stefano Mare 37	NUI	1968	gas	0	14.610729	42.219268
131	Santo Stefano Mare 4	NUI	1975	gas	0	14.675454	42.207323

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates	
						(longitude)	(latitude)
132	Santo Stefano Mare 8 bis	NUI	1991	gas	0	14.636563	42.216490
133	Sarago Mare 1	NUI	1981	oil	0	13.785407	43.320966
134	Sarago Mare A	NUI	1981	oil	0	13.788738	43.288855
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	44.501551
138	Vega A	FMI	1986	oil	75	14.625497	36.540633
139	Viviana 1	NUI	1998	gas	0	14.155051	42.656401
140	Vongola Mare 1	NUI	1985	gas	0	13.811731	43.253891

2.2. Changes since the previous reporting year

a. New fixed installations is a list of new fixed installations, entered in operation during the reporting period:

Table 2.2.5 [g]
New fixed installations entered in operation during the reporting period

<i>Type of installation</i>	FMI [Fixed manned installation];	NUI [(Fixed) normally unmanned installation];	FNP [Fixed non production installation];	FP [Floating production installation]
<i>Type of fluid</i>	Oil; Gas Condensate	Oil/Gas	Oil/Condensate	

N.	Name or ID	Type of installation	Year of installation	Type of fluid	Number of beds	Coordinates	
						(longitude)	(latitude)
-	-	-	-	-	-	-	-

b. Fixed Installations out of operation or installations that went out of offshore oil and gas operations during the reporting period:

Table 2.2. [h]

Installations that were decommissioned during the reporting period

Type of installation: FMI [Fixed manned installation], FNU [(Fixed) normally unmanned], FP [Floating production installation], FNP [Fixed non production installation];

Name or ID	Type of installation	Year of installation	Coordinates		Temporary / Permanent
			(longitude)	(latitude)	
-	-	-	-	-	-

2.3. Mobile installations: list of mobile installations carrying out operations during the reporting period (MODUs and other production installations):

Table 2.3
Mobile installations [i]

Type of installation: i.e. Mobile offshore drilling (MODU) Other mobile non production installation
Geographical area of operations: 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 (JackUp Drilling Unit)	1982	101	Adriatic Sea	12		

2.4. Information for data normalization purposes [j]. Total number of actual offshore working hours and total production in the reporting period:

a. Total number of actual offshore working hours for all installations:

1 MODU : Mobile Offshore Drilling Unit

(number of people employed) 72 HOURS of corrective maintenance 28 h
 HOURS of total maintenance (428,517)

- b. Total production 775kTOE
- Oil production 0.3910⁶ t
- Gas production 1.76*10⁹ Sm³

SECTION 3 REGULATORY FUNCTIONS AND FRAMEWORK

3.1. Inspections

Number of offshore inspections performed during the reporting period.

Number of offshore inspections	Mandays spent on installation (travel time not included)	Number of inspected installations
291	325	257

3.1.1 Further monitoring activities

- 317 hours of flight monitoring;
- 9,425 hours of naval monitoring
- 716 satellite monitorings
- 3 subsea inspections (40 miles of TAP+TRANSMED).

3.2. Investigations

Number and type of investigations performed during the reporting period.

a. following major accidents:

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

b. following safety and environmental concerns:

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

3.3. Enforcement actions

Main enforcement actions or convictions performed in the period pursuant to Article 18 of Directive 2013/30/EU.

Narrative:

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3.4. Major changes in the offshore regulatory framework during the reporting period 2022

Decree of the Minister of Ecological Transition of 28.12.2021 published in the Official Gazette on 11.02.2022, of approval of the Plan for the sustainable energy transition of suitable areas (PiTESAI), adopted pursuant to art. 14 Legislative Decree 14 December 2018, no. 135, converted, with amendments, by law 11 February 2019, n. 12

The art. 11ter of Law 11 February 2019 n. 12, conversion with modifications of Legislative Decree 14 December 2018, no. 135 and subsequent amendments has provided for the approval of the Plan for the sustainable energy transition of suitable areas (PiTESAI) which must identify a defined reference framework of the areas where it is possible to prospecting, research and cultivation of hydrocarbons on the national territory to enhance their environmental, social and economic sustainability. The PiTESAI must take into account all the characteristics of the territory, industrial, urban and morphological, with particular reference to the hydrogeological structure and planning and as regards marine areas, it must mainly consider the possible effects on the ecosystem, as well as taking into account the analysis of sea routes, the abundance of fish in the areas and the possible interference on the coasts. The PiTESAI must also indicate the times and ways of decommissioning and restoring the places to pristine condition related installations that have ceased their activity.

On the basis of the cited regulatory provision, PiTESAI is also approved following a strategic environmental assessment and, limited to areas on land, in agreement with the Conference of Regions. With Decree of the Minister of ecological transition n. 548 of 28/12/2021 and published in the O.G. on 11/02/2022 the Plan in question was therefore approved.

In short, the document, based on a thorough analysis and description of the upstream sector in Italy, the reference scenarios and the sector objectives to be achieved, has defined the suitable and unsuitable areas for new activities in the field of research and cultivation of hydrocarbons (gas only), on the basis of purely technical criteria, and then indicated the reference criteria, environmental, but also socio-economic, to establish whether the existing activities can instead continue to be carried out or are "compatible" with the territories interested or not.

On the basis of the forecasts of the PiTESAI, the Administration is carrying out a process of verification and rationalization of the sector, with the adoption of measures for the redefinition of the areas covered by permits and concessions, the rejection of applications for new titles, but also the extension of "compatible" mining licenses, etc.

Finally, with particular reference to the offshore sector, it should be noted that, in the implementation of the PiTESAI, only 5% of the entire marine surface subject to Italian jurisdiction can still be considered "suitable" for new hydrocarbon prospecting and cultivation activities, but for only gas.

In consideration of the decarbonisation objectives for 2050 and the European Union expanding the sea surface affected by the network of marine protected areas to 30%, PiTESAI has in fact decided to exclude for the future the opening up of new activities in marine areas which have not so far been open to the exploration and cultivation of hydrocarbons, and to actively closing the areas falling within the marine zone open to new activities where no application has ever been presented for the exploration, exploration and cultivation of hydrocarbons or where this has occurred over the last 30 years, thus adopting a criterion of "redefinition" of the marine areas on the basis of the administrative criterion (mapping of mining concessions and not in force in Italy in the year 2019). This determination will be defined by a specific Decree of the Minister of Ecological Transition. (...) In total, 540,414 km² will be definitively closed (...) to hydrocarbon exploration, exploration and production out of a total of 568,976 km² subject to Italian jurisdiction (art. 14 and following of the PiTESAI available for consultation at the following link: <https://unmig.mite.gov.it/decreto-ministeriale-28dicembre2021/>).

Art. 16 of the Decree Law of 1 March 2022 n. 17 containing "Urgent measures to contain the costs of electricity and natural gas, for the development of renewable energies and for the relaunch of industrial policies" converted with amendments by Law No. 34 of 27 April 2022.

With the art. 16 of the aforementioned Legislative Decree 17/2022 an emergency measure was introduced to deal with a particular context, characterized by increased uncertainty for the security of national natural gas supplies, in the face of the uncertainties arising from the Russian-Ukrainian war, still ongoing, and the considerable and sudden increase in the cost of gas, with consequent serious economic difficulties for Italian companies already put to the test by the COVID emergency.

The measure therefore introduces a supply system of nationally produced gas at fair prices, through the GSE, to Italian-intensive companies, through bilateral contracts and conditions unrelated to prices, while still maintaining the exit from fossil sources.

In partial derogation from the provisions of the aforementioned PiTESAI, the question also provides that both the holders of active and "compatible" gas concessions according to the PiTESAI can participate in the aforementioned procedures, but also unproductive concessions or voluntary suspension of which, according to the PiTESAI, would instead have been destined to concessionaires concerned are required to express interest in these concessions by communicating a production program for the years from 2022 to 2025, developments, increases or restorations of natural gas production for the same years, as well as the expected production profile and related investments necessary.

authorizations must be issued quickly, within six months, and the environmental assessment procedures are referred to a specific Technical Commission. The terms and conditions of sale are delegated to subsequent ministerial decrees. For the purposes of implementing this measure, the Ministry of Ecological Transition (the Ministry of the Environment and Energy Security) has provided the GSE operators to be invited to the procedure: 10 operators, for a total of 100 existing concessions on land and at sea, with a forecast of a potential increase in gas production of around 2 billion scm annually offshore.

SECTION 4

INCIDENT DATA AND PERFORMANCE OF OFFSHORE OPERATIONS

4.1 Incident data

Number of reportable events pursuant to Annex IX:
of which identified to be major accidents:

4.2 Annex IX Incident Categories

Annex IX categories	Number of event	Normalized number of event
a) Unintended releases	0	0
<i>Ignited oil/gas releases</i>	-	-
<i>Ignited oil/gas releases</i>	-	-
<i>Not ignited gas releases</i>	-	-
<i>Not ignited oil releases</i>	-	-
<i>Hazardous substances released</i>	-	-
b) Loss of well control	0	0
<i>Blowouts</i>	-	-
<i>Activation of BOP / divers system</i>	-	-
<i>Failure of a well barrier</i>	-	-
7 0 - #	0	0
d) Loss of structural integrity	0	0
<i>Loss of structural integrity</i>	-	-
<i>Loss of stability/buoyancy</i>	-	-
<i>Loss of station keeping</i>	-	-

e) Vessel collisions	0	0
f) Helicopter accidents	0	0
g) Fatal accidents (*)	0	0
(h) Serious injuries to 5 or more people in the same accident (*)	0	0
i) Evacuations of personnel	0	0
j) Environmental accidents	0	0

(*) only if related to a major accident

4.3 Total number of fatalities and injuries (**)

	Number	Normalized value
Total number of fatalities	0	0
Total number of serious injuries	0	0
Total number of injuries	4	$1.74 \cdot 10^6$

(**) a total number as reported pursuant to EEC

4.4 Failures of Safety and Environmental Critical Elements (SECEs)

SECE	Number related to major accidents
a) Structural integrity systems	0
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
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4.5. Direct and underlying causes of major incidents

Causes	Number of incidents	Causes	Number of incidents
a) Equipment related causes	0	c) Procedural / organisational error	0
<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) Human error operational failure	0	d) Weather related causes	0
<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. ESD Emergency Shutdown procedure activation

The events that occurred in the year 2022, which led to the activation of the Emergency Shut Down procedure, are listed. For each of them, the name of the plant and the code of the cultivation concession where the event occurred, a brief description of the same and the resolution times of the criticality that led to the activation of the ESD are indicated in the

N.	Date: 1-st january 2022 through 31-th december 2022	Name of the plant and code of the production concession	Short description of the event that caused the activation of ESD	Time (hours) necessary to restart the operative activity
1	04/01/2022	Barbara NW A.C 7.AS	Fire & gas BLC system	72h cause: adverse weather conditions
2	07/01/2022	Calipso B.C14.AS	Failure of electric generators	24h
3	17/03/2022	Bonaccia NW B.C17.TO	Failure of electric generators	14h
4	23/03/2022	Bonaccia NW B.C17.TO	Failure of electric generators	16h
5	30/03/2022	Bonaccia NW B.C17.TO	Failure of electric generators	88h cause: adverse weather conditions
6	14/04/2022	Agostino B A.C1.AG/A.C3.AS/A.C25.EA	DCS failure	6h
7	13/04/2022	Amelia B-C-D A.C 2.AS	Platform PLC failure	13h
8	20/06/2022	Agostino B A.C1.AG/A.C3.AS/A.C25.EA	RTU communication losses	9h
9	29/06/2022	Brenda A.C 12.AG	Air compressor local smoke alarm	5h
10	29/06/2022	Agostino B A.C1.AG/A.C3.AS/A.C25.EA	RTU communication losses	1h30m
11	29/06/2022	Amelia-B A.C 2.AS	Electric generator block	9h
12	24/07/2022	Fratello Nord B.C5.AS	DP filtrated fuel gas	12h15m
13	30/07/2022	Antonella	Alta temperatura locale STAU	7h30m

		A.C 5.AVA.C 6.AS		
14	19/08/2022	Barbara NW A.C 7.AS	Failure oleodynamic circuit	25h
15	17/09/2022	Garibaldi A A.C1.AG/A.C3.AS/A.C25.EA	False detection of atSTAU	24h
16	17/09/2022	Bonaccia NW B.C17.TO	Sensors failure at mix esp	17h30m
17	27/09/2022	Clara Est B.C 13.AS	Alarm due to smoke sensors at room STAU	21h
18	05/11/2022	Bonaccia NW B.C17.TO	ESD in module F&G	50h
19	11/11/2022	Bonaccia NW B.C17.TO	ESD in module F&G	64h cause: adverse weather conditions
20	14/11/2022	Barbara E A.C7.AS/B.C18.RI	Anomalies of PLC module in STAU	24h
21	16/11/2022	Bonaccia NW B.C17.TO	ESD in module F&G	22h
22	19/11/2022	Bonaccia NW B.C17.TO	Failure in module F&G	44h
23	20/11/2022	Agostino B A.C1.AG/A.C3.AS/A.C25.EA	PLC failure	22h
24	23/11/2022	Bonaccia NW B.C17.TO	Failure in module F&G	23h
25	01/12/2022	Basil A.C 12.AG	Hydrates formation at collector pipe	25h10m
26	15/12/2022	Naomi Pandora A.C 33.AG	PLC failure	16h20m

END OF THE REPORT