

SECTION 1

PROFILE

Information on Member State and Reporting Authority

(a) Member State: GREECE (GR)

(b) Reporting period: (Calendar Year) 2018

(c) Competent Authority: HELLENIC HYDROCARBONS RESOURCES MANAGEMENT SA (HHRM)

(d) Designated Reporting Authority: HELLENIC HYDROCARBONS RESOURCES MANAGEMENT SA (HHRM)

(e) Contact details

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SECTION 2

INSTALLATIONS

2.1. **Fixed installations** Please provide detailed list of installations for offshore oil and gas operations in your country (on first of January of the reporting year), including their type (i.e. fixed manned, fixed normally unmanned, floating production, fixed non-production), year of installation and location:

Table 2.1.

Installations within jurisdiction on 1 January of the reporting period

Name or ID	Type of installation, i.e. Fixed manned installation (FMI); (Fixed) normally unmanned (NUI); Floating production install. (FPI); Fixed non-production install. (FNP)	Year of installation	Type of fluid, i.e. Oil; Gas; Condensate; Oil/Gas; Oil/Condensate	Number of beds	Coordinates (longitude - latitude)
KAPPA PLATFORM (KAPPA)	NUI	1980	Gas	0	(24.443014376482, 40.701039187218)

Name or ID	Type of installation, i.e. Fixed manned installation (FMI); (Fixed) normally unmanned (NUI); Floating production install. (FPI); Fixed non-production install. (FNP)	Year of installation	Type of fluid, i.e. Oil; Gas; Condensate; Oil/Gas; Oil/Condensate	Number of beds	Coordinates (longitude - latitude)
PRINOS COMPLEX (PRINOS COMPLEX)	FMI	1980	Oil/Gas	0	(24.497291219086, 40.798589940926)

2.2. Changes since the previous reporting year :

- (a) **Fixed installations:** Please report new fixed installations, entered in operation during the reporting period:

Table 2.2.a.

New fixed installations entered in operation during the reporting period

Name or ID	Type of installation, i.e. Fixed manned installation (FMI) (Fixed) normally unmanned (NUI) Floating production install. (FPI) Fixed non-production install. (FNP)	Year of installation	Type of fluid, i.e. Oil; Gas; Condensate; Oil/Gas; Oil/Condensate	Number of beds	Coordinates (longitude - latitude)
<i>no installation to report</i>					

- (b) **Fixed installations out of operation:** Please report the installations that went out of offshore oil and gas operations during the reporting period:

Table 2.2.b.

Installations that were decommissioned during the reporting period

Name or ID	Type of installation, i.e. Fixed manned installation (FMI) (Fixed) normally unmanned (NUI) Floating production install. (FPI) Fixed non-production install. (FNP)	Year of installation	Coordinates (longitude - latitude)	Temporary / Permanent
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no installation to report

2.3. **Mobile installations** Please report the mobile installations carrying out operations during the reporting period (MODUs and other non-production installations):

Table 2.3.

Mobile installations

Name or ID	Type of installation, i.e. Mobile offshore drilling; Other mobile non-production;	Year of construction	Number of beds	Geographical area of operations; and Duration	
				Area	Duration (months)
ENERGEAN FORCE (8771837)	MODU	1994	116	N-E AEGEAN SEA	12
GSP JUPITER	MODU	1987	95	N-E AEGEAN SEA	6

2.4. **Information for data normalization purposes** Please provide the total number of actual offshore working hours and the total production in the reporting period:

(a) Total number of actual working hours for all installations: 294118

(b) Total production, in ktoe: 211.01

Oil production (*specify units*): 201.19 (ktoe)

Gas production (*specify units*): 9.82 (ktoe)

SECTION 3

REGULATORY FUNCTIONS AND FRAMEWORK

3.1. Inspections

Number of offshore inspections performed over the reporting period.

Number of offshore inspections	Man-days spent on installation (travel time not included)	Number of inspected installations
1	10	1

3.2. Investigations

Number and type of investigations performed over the reporting period.

(a) Major accidents: 0

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

(b) 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 pursuant to Article 18 of Directive 2013/30/EU.

Narrative

3.4. Major changes in the offshore regulatory framework

Please describe any major changes in the offshore regulatory framework during the reporting period.

(include e.g. rationale, description, expected outcome, references)

Rationale

The transposition of the 2013/30/EU Offshore Safety Directive into Greek Law came into effect 4409/2016. There was a need for providing a robust regulatory framework for the oil industry operating in Greece.

Description

A number of guidance documents were published, aiming to provide information to operators and owners on how to effectively fulfill their obligations, regarding safety. These include the following:

1. Guidance on Report on Major Hazards and Notifications Requirements
1. ALARP Guidance
2. Verification Guidance
3. Guidance on Thorough Review of a Report on Major Hazards

In addition, a document on the organisation and policy of the Competent Authority was also published:

1. HHRM Organisation, Policy & Strategy

A number of internal procedural documents were also prepared, namely:

1. Incident Investigation Procedure
2. Enforcement Procedure
3. Report on Major Hazards and Notifications Assessment Procedure

Finally, a regulation was published to specify the submission deadlines and the cost recovery mechanisms of the Competent Authority from licensees, operators and owners:

1. Regulation on the method of reimbursement of the Competent Authority under Law 4409/2016 and related submission deadlines.

Expected outcome

The outcome of the publication of these documents was the very effective collaboration of the Competent Authority with the operators and owners, the submission of their reports on time and in an acceptable format which was easy to assess, and the final acceptance of the Reports on Major Hazards for all installations operating in Greece by the July 19th 2018 deadline set by the EC. In addition, a total of 8 Notifications of Well Operations and one Design Notification for a new Production installation were successfully assessed.

References:

HHRM website

https://www.greekhydrocarbons.gr/en/OffshoreSafety_en.html

SECTION 4

INCIDENT DATA AND PERFORMANCE OF OFFSHORE OPERATIONS

4.1. Incident data

Number of reportable events pursuant to Annex IX: 0

of which identified as being major accidents: 0

4.2. Annex IX Incident Categories

Annex IX categories	Number of events	Normalized number of events	
	(reported number)	(events/hours worked)	(events/ktoe)
(a) Unintended releases	0	0.000e+0	0.000e+0
Ignited oil/gas releases - Fires	0	0.000e+0	0.000e+0
Ignited oil/gas releases - Explosions	0	0.000e+0	0.000e+0
Not ignited gas releases	0	0.000e+0	0.000e+0
Not ignited oil releases	0	0.000e+0	0.000e+0
Hazardous substances released	0	0.000e+0	0.000e+0
(b) Loss of well control	0	0.000e+0	0.000e+0
Blowouts	0	0.000e+0	0.000e+0
Activation of BOP / diverter system	0	0.000e+0	0.000e+0
Failure of a well barrier	0	0.000e+0	0.000e+0
(c) Failures of SECE	0	0.000e+0	0.000e+0
(d) Loss of structural integrity	0	0.000e+0	0.000e+0
Loss of structural integrity	0	0.000e+0	0.000e+0
Loss of stability/buoyancy	0	0.000e+0	0.000e+0
Loss of station keeping	0	0.000e+0	0.000e+0
(e) Vessel collisions	0	0.000e+0	0.000e+0
(f) Helicopter accidents	0	0.000e+0	0.000e+0
(g) Fatal accidents	0	0.000e+0	0.000e+0
(h) Serious injuries of 5 or more persons in the same accident	0	0.000e+0	0.000e+0

Annex IX categories	Number of events	Normalized number of events	
	(reported number)	(events/hours worked)	(events/ktoe)
(i) Evacuation of personnel	0	0.000e+0	0.000e+0
(j) Environmental accidents	0	0.000e+0	0.000e+0
Values used for normalization: Provided in Section 2.4 of this document	Total number of actual offshore working hours for all installations: 294118		
	Total production, in ktoe: 211.01		

4.3. Total number of fatalities and injuries (**)

	Number	Normalized value
Number of fatalities	0	-
Total number of injuries	2	-
Total number of serious injuries	0	-

(**) A total number as reported pursuant to 92/91/EEC

Value used for normalization: Number of reportable events pursuant to Annex IX: 0
Provided in Section 4.1. of this document

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 control systems	0
(e) Process containment relief systems	0
(f) Protection systems	0
(g) Shutdown systems	0
(h) Navigational aids	0
(i) Rotating equipment	0
(j) Escape, evacuation and rescue equipment	0
(k) Communication systems	0
(l) other	0

4.5. Direct and Underlying causes of major incidents

Causes	Number of incidents	Causes	Number of incidents
(a) Equipment failures - Total	0	(c) Procedural / Organizational error - Total	1
<i>Design failures</i>	0	<i>Inadequate risk assessment/perception</i>	0
<i>Internal corrosion</i>	0	<i>Inadequate instruction/procedure</i>	0
<i>External corrosion</i>	0	<i>Non-compliance with procedure</i>	1
<i>Mechanical failures due to fatigue</i>	0	<i>Non-compliance with permit-to-work</i>	0
<i>Mechanical failures due to wear-out</i>	0	<i>Inadequate communication</i>	0
<i>Mechanical failures due to defected material</i>	0	<i>Inadequate personnel competence</i>	0
<i>Mechanical failures (vessel/helicopter)</i>	0	<i>Inadequate supervision</i>	0
<i>Instrument failures</i>	0	<i>Inadequate safety leadership</i>	0
<i>Control system failures</i>	0	<i>other</i>	0
<i>other</i>	0		
(b) Human error-operational causes - Total	1	(d) Weather-related causes - Total	0
<i>Operation error</i>	1	<i>Wind in excess of limits of design</i>	0
<i>Maintenance error</i>	0	<i>Waves in excess of limits of design</i>	0
<i>Testing error</i>	0	<i>Extremely low visibility in excess of limits of design</i>	0
<i>Inspection error</i>	0	<i>Presence of ice or icebergs</i>	0
<i>Design error</i>	0	<i>other</i>	0
<i>other</i>	0		

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

Narative

It is imperative to focus on training and mentoring crews in proper risk assessment and hazard identification and encourage and engage the crews in all TBT's to ensure they have a clear

understanding of the task and any potential hazards, their roles and responsibilities.

ANNEX
REMARKS