



COUNTY GOVERNOR OF ROGALAND

Report	
West Linus - Survey concerning health and hygiene	Activity number 2013/ 6314

Grading
Official

Involved	
Main group	Inspectorleader Kari Louise Roland
Inspection participants Annevig Ebbe, Kari Louise Roland	Date 5-6. December 2013.

1 Introduction

The County Governor of Rogaland refers to copy of “Notification of newbuilding” and “Request for survey; Mobile Offshore Unit MOU – West Linus (1105- Jurong)” the 18.th of July 2011.

The request refers to the North Atlantic Management AS (NAD) application for Norwegian Maritime Certificates. The County Governor of Rogaland conducted the survey concerning health and hygiene on behalf of Norwegian Maritime Authority (NMA). The survey was carried out 5-6 December 2013 at Jurong Shipyard in Singapore while the MOU was under construction.

2 Background

West Linus is a jack up rig with living quarters designed for 140 persons. The furnishing of the living quarters was not completed during the survey, but the inspection gave us sufficient information to consider the arrangements according to the NMA requirements.

The health office was not furnished or equipped in order to provide medically safe health services. A plan for furnishing and a purchase order list for equipment were presented during the survey. We were informed that the hospital will be finished and fully equipped according to the NMA requirements before transit to Norway. Company nurses were involved in equipping process. Based on these conditions The County Governor of Rogaland accepted the plans and time limits as presented. We will consider doing a follow up survey when the MOU is in operation in Norwegian waters.

According to an agreement the Kokstad BHT provides a company doctor responsible for health services. We were informed that NAD has an ongoing process aiming to re-establish this function in their own organization.

The catering services will be provided by Sodexo. Sodexo had been involved in the design phase and was present during the survey.



COUNTY GOVERNOR OF ROGALAND

The MOU will be transported from Singapore to Norway by a Dockwise - heavy marine transport vessel manned with a complete crew for familiarization. We were informed that two nurses and a doctor will be onboard to provide employees with necessary health services during transit to Norway. An agreement between North Atlantic Drilling and International SOS ensures additional medical assistance and evacuation services during transit.

In addition to the application for Norwegian Maritime Certificates, NAD has submitted an application for consent to operate according to Norwegian petroleum regulations.

3 Purpose

The survey was carried out to assess whether the health and hygiene were in compliance with relevant NMA regulations:

- Regulations dated 27 July 1956 No. 2 concerning Hygienic Conditions on board ships.
- Regulations 17 December 1986 No. 2318 concerning the construction and equipment of living quarters on mobile units.
- Regulations 4 September 1987 No. 855 concerning notification of newbuilding, survey, and certification etc. of mobile offshore units.
- Regulation of 15 September 1992 No. 707 concerning the Accommodation and Catering Service on Ships.
- Regulation 9 March 2001 No. 439 concerning medical supplies on ships.
- Regulation 9 May 2004 No. 687 concerning qualification requirement and certificate rights for personnel on board Norwegian ships, fishing vessels and mobile offshore units.
- Regulation 15 September 1992 No. 693 concerning the Form and Keeping of Log Books for Ships and Mobile Offshore Units
- Regulation 21 December 2007 No. 1573 to give notification and action by seriously events considerable international health.

4 Results

The construction of the MOU was not complete at the time we conducted the survey. Likewise, the process for internal NMA compliance was not completed. The NMA requirements were not incorporated into the health and hygiene management system. Some of the procedures concerning medical emergency preparedness were insufficient or not available during the survey.

The findings are organized in four deviations and two improvement points.



5 Observations

The observations can in general be divided into two categories:

- Deviation: Description of conditions deemed to be in noncompliance with the regulations.
- Improvement: Description of conditions of deficiencies not deemed to be in noncompliance with the regulations, but with a potential for improvement.

5.1 Deviations

5.1.1. The company could not document that the management system was in compliance with the NMA regulations listed in our notice of survey.

Indication:

- Regulatory compliance check report West Linus verified compliance with requirements in the Living Quarters regulation. There were no description of compliance concerning the other regulations listed in our notice of survey.
- The company was not able to verify whether the NMA requirements concerning health and hygiene were incorporated into the management system/procedures. The management system/ procedures for the health office had no references to the relevant NMA regulations.
- It was not described in the procedures when the NMA requirements will enter into force.

Requirement: NMA regulations listed above, except Regulations 17 December 1986 No. 2318 concerning the construction and equipment of living quarters on mobile units.

5.1.2. The management document to ensure medical assistance/evacuation during transit was not available during the survey.

Indication:

- A procedure to ensure Medical assistance/evacuation during all transit/harbour operation is required according to the NAD procedure "Management of Marine and Rig operations on MODU's section 2 point.10.3. The procedure was not available during the survey. We were informed that the document will be ready for use before the MOU leaves the yard.

Requirement: Medical supplies on ships § 24

5.1.3. The company could not document that the stretcher transportation of sick and injured personnel can be made in a safe way from a medical point of view inside the living quarters and to/from the work areas and helicopter deck.

Indication:



COUNTY GOVERNOR OF ROGALAND

- Easy access to the health office from the main deck is not provided as it is not possible to transport sick/injured personnel from main deck to the hospital by using the elevator.
- There is only one possible way out of the potable water tank.
- Challenges of evacuating sick/injured was not systematically registered or described. A stretcher study was ongoing but not completed during the survey. As a consequence of this a plan for stretcher transport was not completed.

Requirement: Living Quarters regulation § 16 number 1.

5.1.4. The living quarters were not designed to ensure that a proper hygienic standard can be maintained.

Indication:

- The dimension of the drains in the galley/scullery- floor were insufficient.
 - The floor had few draining points.
 - The company did not verify that the floor had a fall towards the drains.
 - The company did not verify that the drain capacity and the fall towards the drains were sufficient to enable drainage for easy cleaning.
- The company could not document that the drain capacity was sufficient in the washing- up area.
- During the survey we observed a dust trap above the serving area. We were informed that the dust trap will be closed before the unit goes into operation.
- The galley was not equipped with facilities for hand washing with mixing batteries which can be operated without using the hands.
- The toilet for galley personnel was not facilitated for hand washing with mixing batteries which can be operated without using the hands.
- The toilet on the health office was not facilitated for hand washing with mixing batteries which can be operated without using the hands
- The room with appliances for hot and cold drinks is not provided with facilities for hand washing.

Requirements: Living Quarters regulation § 6 number 5 and 7.

Living Quarters regulation § 15 number 7.

5.2 Improvements

5.2.1. The living quarters design can be improved in order to ensure that a proper hygienic standard can be maintained.

Indication:

- Common sanitary rooms were not equipped with facilities for hand washing with mixing batteries which can be operated without using the hands.
- Cables are uncovered (exposed) in provision rooms.
- The light fixtures in the provision rooms are not easy to keep clean.



5.2.2. The management system for health and hygiene can be improved.

Indication:

- The procedure “Upgrade / further education of medical staff” has no requirement according to time limits carrying out mandatory courses.
- The nurse is, according to the job description obliged to inform the Offshore Installation Manager (OIM) about illness/injuries among personnel in order to assist the OIM in providing safety on board. It is not described how the information has to be limited in order to make sure that the health personnel, in spite of this, keeps their duty of confidentiality.
- Qualification requirements to the catering personnel are not described in accordance with the requirements in the NMA regulations.
- The nurse job description requires the nurse to have special attention to hygienic food handling. The hygienic inspection procedure can be improved in order to ensure that the subcontractor acts in compliance with the requirements in the Norwegian food legislation.
- The management of the health office was divided into several procedures. One handbook describing all relevant parts to handle the management of the health service will give a better overview and make it easier to follow and improve the procedures according to internal/external requirements.

6 Other comments

The surveyors commented on the procedure for emergency hospital and assembly area with reference to the application of consent to operate according to the Norwegian Petroleum HSE regulations.

7 Participants from the County Governor of Rogaland

Annevig Ebbe
Kari Louise Roland

8 Participants from North Atlantic Drilling

NAVN (Name)	FUNKSJON (Function) Tittel – Firma (Title – Company)	OPPSTARTS-MØTE (Opening meeting)	INTERVJU (Interview)	OPPSUMMERINGS- MØTE (Final meeting)
Nicolai Larsen	Safety delegate- Sodexo	X		X
Øystein M. Engseth	Camp Boss Sodexo	X	x	X
Gordon Coull	OIM – NAD	X		
Kai Trygve Endresen	OIM - NAD	X		X
Siv Vervik Stousland	HWE advisor - NAD	X	X	X
Harald Bratthammar	Compliance manager Seadrill	X		X



COUNTY GOVERNOR OF ROGALAND

Einar Bekkevold	Site manager - NAD	X		
Petter Flage	Nurse	X	X	X
Stein Ivar F. Andersen	Manager Working Environment	X		X
Lars Eirik Seldal	K-MSD			X
Ragnhild Anker Bohlin	Operation engineer			X
Erlend Bergsrønning	Operation engineer			X
Svein T Jensen	CH.Eng.W.Riegel			x
David Nygård	QHSE eng. West Riegel			X
Ole Syvertsen	ERO			X

Documents:

- Self reporting of catering service
- Management of marine and Rig Operations on Mobile Offshore Units, PRO-00-0242, Version 2.
- Job description Medic, enclosure to the procedure PRO-37-0671.
- Job description manager Health and Working Environment, enclosure to the directive “Organization charts and job descriptions”.
- Upgrade/further education of medical staff, PRO-00-0141, version 2.02
- Training and competence requirements, PRO-00-0121, version 2.01
- First aider? recommended basic requirements, PRO-00-0139, version 1.
- Emergency preparedness exercises and training, PRO-00-0339, version 4.
- NAD- Training Matrix
- Stretcher Route test report West Linus, doc. no 1105-500.04-s-rt-0001-01.
- Routine control of medical equipment and drugs, PRO-00-0150, version 2.01.
- Medical inspection and internal audit of registered nurse functions, PRO-00-0149.
- Offshore Health Service, PRO-00-0112, version 3.
- Hygiene and safe food handling, PRO-00-0106, version 1.03
- Sodexo Procedure MA 03- Prosesstrinn for produksjon I kjøkkenet, rev. 0.
- Regulatory compliance check report West Linus, Seadrill project 2308.
- Exhibit A- Scope of work. Frame agreement 062
- Sodexo procedures; MA01, MA03, MA04, SK67, RE02, RE03, RE04.
- International SOS Purchase order for medical supplies, 29.10.2013.
- Purchase order Alere – West Linus

The report was written by:

Annevig Ebbe

Kari Louise Roland