



WELL EXPERTISE

Well Expertise Verification Report

Aker Solutions' deliveries to Oselvar PP&A


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Verification Report - Aker Solutions' Subsea Well Access System, WO Controls, Subsea Hardware Tooling and Associated Services Deliveries to Oselvar PP&A

[OSE-DNO-S-RA-0027] Verification Report - Aker Solutions' Subsea Well Access System, WO Controls, Subsea Hardware Tooling and Associated Services Deliveries to Oselvar PP&A

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Open	<p>No consequence</p> <p>Information that has already been published (e.g. on Internet or in brochures) or released for publication by competent unit shall be classed 'Open'</p>
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1 Introduction

DNO Norge AS (DNO) will be conducting Permanent Plug and Abandonment (PP&A) on the Oselvar field by using the semi-submersible drilling rig Borgland Dolphin with planned start up in March/April 2021.

A risk-based approach is applied for follow up of contractors and subcontractors and an audit, review, and verification (ARV) plan has been established to assure DNO that critical activities and services related to the project are following contractual and regulatory expectations. The main goal is to ensure that DNO, contractors and subcontractors involved in the Oselvar PP&A, are competent to perform the activities in a safe and prudent manner.

As a part of the ongoing preparations for PP&A of the Oselvar wells, DNO performed a Verification of Aker Solutions ASA (Aker) on planning and readiness related to the delivery for Oselvar PP&A under PO-000329.

The verification was conducted 14th of January 2021 on Teams according to agenda and timing given in [Chapter 3](#).

2 Scope of the verification

Aker Solutions was asked to present information to cover the topics listed below:

1. Short company information/presentation (DNO, Aker Solutions)
2. Service Delivery and SoW
 - a. Landing string
 - Status of work and progress at Enovate in Aberdeen. How does Aker follow up this delivery?
 - How is Brexit mitigated and controlled?
 - The plan for activities, verifications, resources at Ågotnes when the Enovate delivery arrives Ågotnes
 - The logistic plan for transporting all the equipment to the rig
 - The procedure for usage of the equipment on the rig
 - b. Rental Equipment
 - Procedures for mobilisation of rental equipment/tools
 - Access to relevant rental equipment
 - Qualification process/testing of the rental equipment
 - Logistic plan of transporting the equipment to the rig
 - Procedure for usage of the equipment/tools on the rig
3. Offshore Manning and Resources
 - Status on onshore/offshore manning level for Aker SoW
 - How are correct manning/resources secured and followed up when it comes to competence, training, education for this SoW?
 - When will the offshore manning plan be finalised?
4. Performing follow up and qualification of suppliers
 - a. Follow up of suppliers
 - How are new suppliers pre-qualified for working for Aker?
 - How are the suppliers followed up in the execution phase?
 - b. Audit and Verification Activities
 - How are the audit and verification process carried out?
 - How are the internal activities selected and performed? How are the external activities selected and performed?
5. Risk Management Process and Risk Register
 - Please explain the risk management process
 - Please explain how the risk register is established and used
6. Corona/Covid-19 risk assessment(s) and handling of the pandemic

Prior to the verification the verification team received and reviewed the following Aker documentation:

- Plan for handling of Interfaces and overview of open interfaces
- Competence, experience, and training documentation related to delivery
- Procedure for follow up and qualifying suppliers
- Risk Management Procedure
- Oselvar PP&A Risk Register

3 Verification Process

A notification letter ([Appendix A](#)) was sent to Aker 15th of December 2020. The verification date was accepted, and relevant Aker documentation asked for in the notification letter was sent to DNO before the review meeting.

The meeting was held on Teams according to agenda presented below and relevant personnel from Aker, DNO and Well Expertise were present ([Appendix B](#)).

At the end of the verification, the findings were presented to Aker. The verification team identified 2 observations and 6 actions, cf. [Chapter 5](#).

Time Plan/Agenda

Time	Agenda
09:00 – 09:15	Presentation of attendees and background for the verification (DNO)
09:15 – 10:30	Presentation & status on the Oselvar SoW/delivery (Aker)
10:30 – 11:00	Presentation of the Risk Management Process and Risk Register (Aker)
11:00 – 12:00	Lunch
12:00 – 12:45	Presentation of Offshore Manning/Resources (Aker)
12:45 – 13:30	Presentation of how follow up and qualification of suppliers are performed (Aker)
13:30 – 14:00	Presentation of Covid-19 handling/risk assessments (Aker)
14:00 – 14:30	Verification Team Internal Summary (DNO)
14:30 – 14:45	Verification Closure Meeting (DNO/All)

4 Participants

DNO Norge	Aker Solutions
Stein Tønning - Facilitator/Drilling & Well Manager	Morten Askeland – Service Manager
Grethe Lønø - Sr. Drilling Engineer	Natalie Marthinsen – Project Lead
Eirik Enge - HSE Advisor	Kristian Vik – Project Engineer
Anniken B. Meisler - HSEQ Coordinator	Øyvind Skjold – Project Manager RTP
Trond Inge Ramsnes - Sr. Subsea Engineer	Andreas Engeberg – Head of Technical Services
Matt Shaw - Sr. Subsea Engineer	Christian Nytun – SCM Manager
Karina Helle - HSE Graduate	Arnstein Strand – Senior Manager SQS Europe
	Kjersti Eide Vikne – Performance Lead SLS Ågotnes
	Wenche Almeland – HSSE Lead SLS Ågotnes
	Roger Gåthe – Head of Pursuit and Capture SLS Norway
	Paul Swain – Lead Auditor, Supplier Quality & Performance

5 Findings

The goal with the verification was to verify Aker Solutions' readiness for the Oselvar PP&A operations related to the verification scope ([Chapter 2](#)). Our general impression is that Aker Solutions is a professional company and is in good shape for the upcoming Oselvar PP&A operations.

The verification was held in good atmosphere, the Aker participants were very open and willing to explain and share information.

The verification team were impressed with how Aker follow up and qualifying suppliers according to the Aker Supplier Approval Procedure (SC-22001-000-000-EN) and how Covid-19 is handled and mitigated at the Aker Ågotnes base.

The team identified 2 observations and 6 actions. DNO requests Aker to reply to DNO when and how the observations and actions are closed out within the given deadlines in Chapter 5.1 and 5.2.

5.1 Observations

Observations:	Status	Deadline
1. Enovate and Aker must in cooperation prepare a plan with mitigation measures to secure that testing of the landing string/components can be completed. This to avoid incomplete testing and delays in the shipment to Ågotnes If the Covid-19 situation escalates in UK.	Open	15.02.2021
2. Risk no. 6 in Oselvar P&A Risk Register needs to be rewritten to also include Covid-19 challenges for the Evovate SoW and the delivery.	Open	01.02.2021

5.2 Follow up actions

Actions:	Status	Deadline
1. Aker to forward the latest version of the Enovate action log	Closed	Received
2. The delivery from Enovate is time critical and it is important to have a high focus on the Enovate prioritization and manning level. Please evaluate the possibility and need for working 3 shifts during the test period	Open	12.02.2021
3. Secure a good dialogue and boundaries regarding SoW with the 3 rd parties on the Enovate Site during the test period. Clarify the Covid-19 regulations to the 3 rd party inspectors up front	Open	01.02.2021
4. Detailed manning plan including competency to be forwarded to DNO before start-up of operation.	Open	01.03.2021
5. Aker to forward Audit & Verification Plan for 2021 when this is established and approved.	Open	05.02.2021
6. Aker to evaluate the need for having Enovate personnel onboard the rig in good time before starting up as these need applicable training and courses	Open	05.02.2021

6 Appendices

[Appendix A](#): Notification letter

[Appendix B](#): "Signature list"

Appendix A – Verification notification

Verification notification



DATE and TIME : 14.01 2021 at 09:00-15:15
 WHERE : Online on Teams or at Ågotnes if Covid-19 allows
 TO : Aker Solutions ASA
 ATT. : Natalie Marthinsen
 E-MAIL : natalie.marthinsen@akersolutions.com
 OUR REF. : Oselvar PP&A delivery verification
 COPY TO : Natalie Marthinsen, Grethe Lønø, Arild Lund, Eirik Enge, Trond Inge Ramsnes, Einar Framnes, Stein A. Tønning, Bjarne Syre, Morten Laget, Sigve K. Næsheim, Matt Shaw, Øystein Prytz, Stig Seland, Karina Helle.
 FROM : Anniken B. Meisler
 E-MAIL : anniken@wellexpertise.com
 MOBILE : +47 476 67 507

NOTIFICATION OF WELL DELIVERY VERIFICATION XMT OPERATIONS AT BORGLAND DOLPHIN

Dear Natalie.

As a part of the ongoing preparations for our permanent plugging and abandonment (PP&A) of the Oselvar wells, DNO Norge AS (DNO) plan to perform a Verification of Aker Solutions ASA (Aker) on planning and readiness related to the delivery for Oselvar PP&A under PO-000329.

We plan to perform the verification 14th of January 2021 according to agenda and timing given below. Early January we will decide if the verification can be held with participants present at Ågotnes, or if we will perform the activity on Teams.

Scope

Aker Solutions is asked to present information to cover the topics listed below. The Verification Team will ask questions and may require checks of records and documentation during or after the presentation.

1. Short company information/presentation (DNO, Aker Solutions)
2. Service Delivery and SoW
 - a. Landing string
 - Status of work and progress at Enovate in Aberdeen. How does Aker follow up this delivery?
 - How is handling of interfaces done?
 - How is Brexit mitigated and controlled?
 - The plan for activities, verifications, resources at Ågotnes when the Enovate delivery arrives Ågotnes
 - The logistic plan for transporting all the equipment to the rig
 - The procedure for usage of the equipment on the rig
 - b. Rental Equipment
 - Procedures for mobilisation of rental equipment/tools
 - Access to relevant rental equipment
 - Qualification process/testing of the rental equipment





Verification notification

- Logistic plan of transporting the equipment to the rig
- Procedure for usage of the equipment/tools on the rig
- 3. Offshore Manning and Resources
 - Status on onshore/offshore manning level for Aker SoW
 - How are correct manning/resources secured and followed up when it comes to competence, training, education for this SoW?
 - When will the offshore manning plan be finalised?
- 4. Performing follow up and qualification of suppliers
 - a. Follow up of suppliers
 - How are new suppliers pre-qualified for working for Aker?
 - How are the suppliers followed up in the execution phase?
 - b. Audit and Verification Activities
 - How are the audit and verification process carried out?
 - How are the internal activities selected and performed? How are the external activities selected and performed?
- 5. Risk Management Process and Risk Register
 - Please explain the risk management process
 - Please explain how the risk register is established and used
- 6. Corona/Covid-19 risk assessment(s) and handling of the pandemic

Timing

14th January - online via Teams or at Ågotnes.

Indicative time plan:

09.00 - 09.15 Presentation of attendees and background for the verification (DNO)
 09.15 - 11.15 Presentation & status on the Oselvar SoW/delivery (Aker)
 11.15 - 12.00 Lunch
 12.00 - 12.45 Presentation of Offshore Manning/Resources (Aker)
 12.45 - 13.30 Presentation of how follow up and qualification of suppliers are performed (Aker)
 13.30 - 14.15 Presentation of the Risk Management Process and Risk Register (Aker)
 14.15 - 14.45 Presentation of Covid-19 handling/risk assessments(s) (Aker)
 14.45 - 15.00 Verification Team Internal Summary (DNO)
 15.00 - 15.15 Verification Closure Meeting (DNO/All)

We will take short breaks as convenient.

Please send email addresses of relevant Aker personnel to the undersigned for invitation to Teams meeting.

Request for information

Prior to the verification, and within 31st December, the verification team would like to receive the following documentation:

- Plan for handling of Interfaces and overview of open interfaces
- Competence, experience, and training documentation related to delivery
- Procedure for follow up and qualifying suppliers
- Updated Audit and Verification Programme
- Risk Management Process and Risk Register
- Copy of updated Oselvar PP&A Risk Register

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Verification notification



The verification team

Stein Tønning	Drilling & Wells Manager	Verification Team Lead
Grethe Lønø	Sr. Drilling Engineer	Team Member
Trond Inge Ramsnes	Sr. Subsea Engineer	Team Member
Eirik Enge	HSE Advisor	Team Member
Anniken B. Meisler	HSEQ Coordinator	Team Member
Matt Shaw	Sr. Subsea Engineer	Team Member

Reporting

The verification team will present a summary with observations and/or improvement items in a closing meeting at the end of the verification. The formal report will be issued within three (3) weeks after the verification.

Please confirm by e-mail (anniken@wellexpertise.com) that date and timing for this verification is OK for required Aker personnel.

If need for clarifications related to this notification or the verification activity, please contact the undersigned. We look forward to meeting the Aker Solution personnel and hope that this verification will be to our mutual benefit.

Kind Regards,

A handwritten signature in blue ink that reads "Anniken B. Meisler".

Anniken B. Meisler
HSEQ Coordinator Oselvar PP&A
DNO Norge AS
anniken@wellexpertise.com
476 67 507

Appendix B – Participants – “Signature list”

As the verification was held on Teams, a screenshot of the persons present was taken to document presence.

