

OHS IMPROVEMENT NOTICE

To: Woodside Energy Ltd

In conducting an OHS inspection in relation to the North Rankin Complex facility, I, [REDACTED], a NOPSEMA inspector appointed under section 602 of the Act, am satisfied on reasonable grounds that the person named above as the responsible person has contravened clause 9(2)(c) of Schedule 3 to the Act at the North Rankin Complex facility.

The reasons for my opinion are:

A lifting-related incident occurred on 6 June 2019 at the North Rankin Complex facility. The incident occurred during the lifting of a 2 tonne load off a supply boat. The load was around 1 metre off the vessel's deck when the NRA East crane engine stalled and lost power. The crane operator observed the panel lights on the crane to be flashing and alarm flooding on the crane control panel. The crane operator then attempted to operate the emergency lowering function / switch on the crane but this failed to operate.

NOPSEMA inspection findings identified the following:

1. Section 3.2, Table 5 of the Woodside's Lifting Equipment Maintenance, Inspection and Testing Strategy (LEMITS) document, as referenced in the performance standard for lifting equipment (P20), requires an independent crane condition assessment be conducted annually with a statement of compliance issued. There appears to be no prior independent crane condition assessments conducted and, consequently, no statement of compliance for the crane. At the time of inspection the operator planned to have the crane's original equipment manufacturer conduct an independent assessment on the East crane, mobilising on 30 October 2019. An independent crane condition assessment is a requirement specified in the LEMITS document which was last revised on 2 July 2018.
2. The inspectors reviewed the last 5 years' corrective work orders relevant to issues identified during inspection with the '*Rig Saver*', '*Emergency Slew Function*', and '*other applicable crane emergency functions*' and the following previous issues with the crane were noted:
 - a) SAP notification # 20304391, dated 22 January 2018, was raised to investigate and rectify '*Rig Saver*' fault. The issue associated with this stated: "*The Rig Saver trips intermittently with no alarms showing on the HMI screen. Twice the engine shutdown and another 2 times the engine was running but was starving for air*"; and
 - b) Four corrective notifications, namely SAP notification # 20291755, 20282599, 20240708 and 20182327 (last 5 years) were raised, as a result of anomalies identified with the '*crane emergency functions*' and '*slew function*' during periodic inspection.
3. Section 14.1 Responsibilities, Authorities and Accountabilities within Part 3 of the North Rankin Complex Operations Safety Case summarises the "...health and safety responsibilities and accountabilities for the key facility roles and Woodside management" and requires monitoring, review and audit of crane Technical Integrity (TI) inspection reports, however despite the inspection anomalies mentioned above, a review of these reports found no evidence of these TI oversight activities having been conducted.

The above anomalies impaired safety-critical systems associated with the NRA East crane which increased risks to people at the facility.

Therefore, the operator of the facility has failed to take all reasonably practicable steps to ensure that the NRA East crane at the North Rankin Complex facility is safe and without risk to health.

As a result of this contravention I am satisfied that there is, or may be, the following risk to the health or safety of any person:

The '*Loss of control of suspended load*' resulting in a dropped object or swinging load that could cause injury or death to persons near the NRA East crane.

You are required to take action within **150** days of the date of this notice to prevent or reduce the risk.

The following actions must be taken by the responsible person within the period specified above:

1. Implement the annual independent crane condition assessment as per the requirements of section 3.2, Table 5 of the LEMITS document; and
2. The above crane condition assessment must, at a minimum, ensure the fitness for service of the '*crane emergency functions to be functional, available, reliable and survivable*' (reference NOPSEMA Guidance Note N-04300-GN0271, Revision 4, December 2012 'Control Measures and Performance Standards'); and
3. Put mechanisms in place to ensure Woodside's TI reports for safety-critical equipment generated from crane inspection and maintenance are monitored, reviewed and audited by appropriate personnel as specified in the facility safety case; and
4. Develop a plan to implement the lessons learnt and corrective actions from Woodside's incident investigation event # WELEV19060021, dated 6 June 2019; or
5. Implement such other controls as required to reduce risk to a level that is as low as reasonably practicable.

Signed: 

NOPSEMA Inspector

Dated: 11 July 2019

NOTES: (Please see back of notice)

The following section is to be completed if serving the notice to the responsible person by giving it to the operator's representative or titleholder's representative at the facility, or the identified responsible person onshore.

This notice was delivered to: 

(insert name)

in the office or position of 

(insert office or position)

at: 3:00 am/pm on 11 July 2019

(insert time)

(insert date)

When the required improvement has been completed, return this part of the notice to the following person at the address below:

Name: [REDACTED]

Position: NOPSEMA Inspector

Address: Send in electronic format via email to:
submissions@nopsema.gov.au

Telephone number: +61 8 6188 8700

Specify the action that has been taken to comply with this notice in the space below.

Improvement Notice No. **752** has been complied with by:

Signed: _____ Date: _____

NOTES:

1. Under clause 78 of Schedule 3 to the Act, a person who fails to ensure that this notice is complied with, to the extent that it relates to a matter over which the person has control, may be liable to a penalty of 300 penalty units or a civil penalty of 400 units.
2. This notice must be displayed in a prominent place at or near each workplace at which work affected by the notice is being performed and, must not be tampered with or removed before the notice has ceased to have effect.
3. If the notice is not issued by being given to the operator's representative at the facility, the responsible person (unless the responsible person is the titleholder) must cause a copy of the notice to be given to the operator's representative.
4. If the responsible person is the operator or an employer (other than the operator) of members of the workforce, the operator's representative at the facility must give a copy of the notice to each health and safety representative for a designated work group having group members performing work that is affected by the notice.
5. If the responsible person is the titleholder, as soon as practicable after issuing the notice, the NOPSEMA inspector will take reasonable steps to give a copy of the notice to the operator and, if the NOPSEMA inspector is at the facility when the notice issued, the operator's representative at the facility.
6. If the responsible person is the titleholder, but the inspector is not at the facility when the notice is issued, the operator must give a copy of the notice to the operator's representative at the facility.
7. As soon as practicable after issuing the notice, the NOPSEMA inspector will take reasonable steps to give a copy of the notice to, where applicable:
 - (a) the employer of an employee who is a member of the workforce if the notice is issued to the employee, and in connection with work performed by the employee, and
 - (b) the owner of any workplace plant, substance or thing that the notice relates to, unless the owner is the responsible person or an employer referred to in (a), and
 - (c) if the responsible person is the owner of any workplace, plant, substance or thing because of which the contravention has occurred, or is likely to occur: the operator of the facility, and if the employer of employees who work in that workplace or who use that plant, substance or thing is a person other than the operator—that employer; and
 - (d) the titleholder, if the responsible person is the operator, and the contravention relates, or is likely to relate to, the titleholders' well related obligations.
8. Under item 8 of subclause 80A(1) of Schedule 3 to the Act, any of the following persons may in writing request the reviewing authority to review the NOPSEMA inspector's decision:
 - the operator of the facility
 - the titleholder, if the notice is issued to a titleholder;
 - any other person to whom the notice has been issued;
 - an employer, if affected by the decision;
 - a relevant health and safety representative;
 - a relevant workforce representative, if requested by a member of the workforce affected by the decision;
 - a person who owns any workplace plant, substance or thing to which the NOPSEMA inspector's decision relates.
9. An improvement notice ceases to have effect when the responsible person takes the action specified in the notice.