

CNSOPB



CANADA-NOVA SCOTIA
OFFSHORE PETROLEUM BOARD

Chief Safety Officer Decision

Decision Date: 22 February 2018
Applicant: Seadrill Canada Ltd.
Reference: WAQ-NS-RQ04 (Rev 0) – Mechanical Equipment
Project: BP-Offshore Nova Scotia 2018
Installation Name: West Aquarius
Authority: Canada-Nova Scotia Offshore Petroleum Resources Accord Implementation Act (Federal version), Section 155(1)(a).
Regulation: Nova Scotia Offshore Petroleum Installations Regulations, Sections 13(1) and 13(5)(b)

Decision:

Seadrill Canada Ltd. has requested a deviation from Sections 13(1) and 13(5)(b), requiring diesel engines to be installed, maintained and operated in accordance with a specified American Petroleum Institute reference document, and requiring automatic fuel supply shut-off for the engines in the event of high exhaust gas temperatures.

The West Aquarius has eight (8) diesel engines installed in four (4) independent engine rooms. Rationale for acceptance of the deviation considers that the engines are supplied and installed in accordance with DNV Rules, with maintenance performed in accordance with DNV, flag state, OEM and Seadrill requirements. The operating philosophy and power management system incorporates engine protection systems, instrumentation and monitoring to ensure appropriate engine shut down in consideration of the full redundancy required for the DP class notation DYNPOS-AUTRO (DP3) and for the diesel generator sets to be classified as emergency generators.

The Certifying Authority concurs that the proposal meets the requirements of Certificate of Fitness Regulations Section 4(2)(a)(ii).

The Chief Safety Officer hereby grants a deviation from the Installation Regulations, Sections 13(1) and 13(5)(b), and is satisfied that these arrangements provide an equivalent level of safety to that provided by the Regulations.

Robert Normore, B.Tech., CRSP
Chief Safety Officer