

Chief Safety Officer Decision (Regulatory Equivalence)

Date: 03 May 2016

C-NLOPB Reference: 2015-RQ-0180

Applicant: Suncor Energy Inc.

Applicant Reference: RQF 275

Installation Name: Terra Nova FPSO

Authority: *Canada-Newfoundland and Labrador Atlantic Accord Implementation Act, subsection 151(1) & section 205.069*
Canada-Newfoundland and Labrador Atlantic Accord Implementation Newfoundland and Labrador Act, subsection 146(1) and section 201.66

Regulation: *Subsection 28(3) of the Newfoundland Offshore Petroleum Installation Regulations*

Decision:

The Chief Safety Officer concurs with the Applicant's, the owner of the *Terra Nova FPSO*, proposal to conduct an onshore discharge test of the proposed CO₂ Fire Suppression System for the Main Power Generator and to commission and test this system in accordance with an alternative testing method as outlined in the Application in lieu of conducting a full discharge test of the CO₂ Fire Suppression System in accordance with *NFPA 12: "Standard on Carbon Dioxide Extinguishing Systems"*. This is subject to the condition, that at any time there is any doubt with the system, a full discharge test may be requested by the Certifying Authority.

This RQ is approved conditional upon the following:

- Both the Starboard and Port Main Power Generator Enclosures must be subjected to a final door fan air integrity test during commissioning of the CO₂ systems. A copy of these test results along with confirmation that this will allow the CO₂ to reach and maintain the required concentration for the appropriate timeframe shall be submitted to the C-NLOPB. Please note, conditions during integrity testing must be representative of operational conditions in the Main Power Generator Enclosure.


Chief Safety Officer