

Protocols for Communication with Oil Installations on the Grand Banks

HIBERNIA PLATFORM Safety Zone

SAFETY ZONE: The Hibernia safety zone consists of an area within a line enclosing and drawn at a distance of 500m from the outer edge of the installation. The installation consists of the Hibernia platform, subsea crude loading system, Hibernia Southern Extension (HSE) drill centre and associated subsea equipment including all water injection flowlines.

Mariners are not permitted to enter the installation safety zone without the permission of the Installation Manager.

3NM RADIO ZONE: As part of safety and security measures Hibernia has established a 3NM marine communications zone around the installation. Vessels approaching within 3NM of the platform are requested to contact the radio operator on VHF channel 16 to advise regarding intended activity in the area and to obtain updates regarding installation operations.



HEBRON PLATFORM Safety Zone

SAFETY ZONE : A dedicated safety zone exists around the Hebron Platform and associated loading and subsea systems. The zone extends 500 m around the platform, on the outer side of each pipeline and outside of the OLS/tanker connected zone. The majority of Hebron infrastructure, including the platform, is located within the Terra Nova 5 NM Safety Zone. All of the Hebron infrastructure, including the platform and OLS system, is located within the Terra Nova 10 NM Precautionary Zone.

Mariners are not permitted to enter the installation safety zone without the permission of the Installation Manager.

3NM RADIO ZONE: As part of safety and security measures Hebron has established a 3NM marine communications zone around the installation. Vessels approaching within 3NM of the platform are requested to contact the radio operator on VHF channel 16 to advise regarding intended activity in the area and to obtain updates regarding installation operations.

TERRA NOVA FIELD Precautionary, Safety And Exclusion Zones

International and Canadian regulatory decisions have established three zones to protect the *Terra Nova FPSO*, its associated subsea equipment and all drill centers in the Field. Ship movement in the area is monitored on a 24 hour basis.

FISHERIES EXCLUSION ZONE: The corners of this zone are 500 metres from the four Terra Nova drill centres. Vessels, other than oil industry vessels, are prohibited from entering this zone.

5 NM SAFETY ZONE: Before entering the Safety Zone, vessels must obtain authorization from the *Terra Nova FPSO* or drill rig on VHF Channel 16 or on GMDSS. Vessels must comply with instructions given while in the Safety Zone.

On leaving the Safety Zone, vessels must advise the *Terra Nova FPSO* or drill rig on VHF Channel 16 or on GMDSS when they clear the zone and re-apply for entry on the next visit.

No approach within 3 nautical miles of the *Terra Nova FPSO* or drill rig is permitted except for Terra Nova field support vessels or fishing vessels operating with *Terra Nova FPSO* approval.

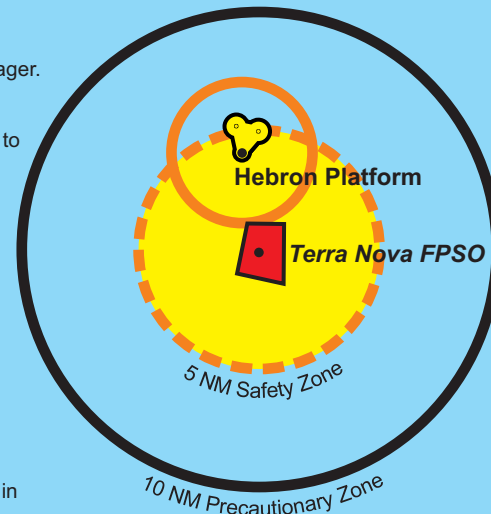
10 NM PRECAUTIONARY ZONE: As soon as practical before entering the Precautionary Zone all vessels must contact the *Terra Nova FPSO* or drill rig on VHF Channel 16 or on GMDSS.

WHITE ROSE FIELD Safety Zone

The White Rose Field Safety Zone encompasses the *SeaRose FPSO*, its associated subsea equipment and all drill centers in the Field. Ship movement in the area is monitored on a 24 hour basis.

Notices to Mariners for the area prohibit unauthorized navigation of the Safety Zone.

All vessels approaching within 3 NM of the *SeaRose FPSO* or a drill rig in the Field and planning to transit the Safety Zone are requested to contact either the *SeaRose FPSO* or the drill rig Henry Goodrich on VHF channel 16 or Channel 70 DSC, and comply with the instructions given while transiting the Safety Zone.



200 NM Exclusive Economic Zone

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| | Safety Zone |
| | Fisheries Exclusion Zone (Terra Nova) |
| | 3 Nautical Mile (NM) Radio Zone |
| | 5 Nautical Mile (NM) Radio Zone |
| | Production Installation |

For coordinates, refer to Chart L/C4049 Grand Bank, Northern Portion/Grand Banc, Partie Nord to/à Flemish Pass/ Passe Flamande

Electronic Navigation Chart CA276101

This information sheet is not to be used for navigational purposes



One Ocean is the industry liaison organization for the fishing and petroleum sectors in Newfoundland and Labrador. Its mandate is to facilitate cooperation, communication and provide information and opportunities that will mutually benefit the two industry sectors.

The Offshore Communication Protocol is designed to promote safe practices between fishing enterprises, petroleum installations, supply ships and related vessels during offshore operational activities. Radio notification and communication between the fishing and petroleum sectors is a mutually beneficial protocol. It will provide the opportunity for information exchange, identification, and ensure safe and secure practices for fishing and petroleum personnel and the marine environment.

This Communication Protocol is not a navigational aid. Users are responsible for maintaining the appropriate Canadian Hydrographic Service chart. One Ocean and area petroleum operators assume no liability for its use — it is strictly for information purposes only.

Information for Mariners

In addition to the information provided in this sheet mariners are reminded of the Collision Regulations under the *Canada Shipping Act* that pertain to safety zones and oil and gas exploration and exploitation vessels. The relevant section of the Collision Regulations pertaining to safety zones is reproduced below.

COLLISION REGULATIONS C.R.C., 1978, c. 1416

Rule 43 – Safety Zones Around Exploration or Exploitation Vessels

- (a) For the purpose of this Rule, with respect to an exploration or exploitation vessel that is in position for the purpose of exploring or exploiting the non-living natural resources of the sea bed, a safety zone is the area that extends from the outer extremities of the exploration or exploitation vessel to the greater of
 - (i) 500 metres in all directions, and
 - (ii) 50 metres beyond the boundaries of the anchor pattern of the vessel.
- (b) The Minister may establish a safety zone greater than the safety zone referred to in paragraph (a) if it is reasonably related to the nature and function of the exploration or exploitation vessel and is necessary to ensure navigational safety.
- (c) No vessel shall navigate within a safety zone.
- (d) Paragraph (c) does not apply to a vessel that
 - (i) is in distress,
 - (ii) is attempting to save life or provide assistance to a vessel in distress,
 - (iii) is operated by or on behalf of the state having jurisdiction over the exploration or exploitation operations, or
 - (iv) has received permission from the person in charge of the exploration exploitation vessel to enter the safety zone around that vessel.

Mariners are also advised to be aware that within and around the zones described in this information sheet various activities supporting the oil and gas operations take place.

All oil and gas installations in the area use standby vessels stationed in close proximity at all times as a safety measure. In addition, supply (cargo) vessels and crude tankers regularly move through the area in support of operations.

Marker or oceanographic buoys are routinely deployed in support of the various installations or operations. Finally, other installation related works and marine operations can take place outside of the safety zones at any time.

Terra Nova

Terra Nova FPSO
46° 28.53'N 048° 28.86'W

Safety Zone
5nm radius from 46° 28.53'N 048° 28.86'W

Precautionary Zone
10nm radius from 46° 28.53'N 48° 28.86'W

Fisheries Exclusion Zone
 NW 46° 29.65'N 048° 29.50'W
 NE 46° 29.55'N 048° 27.29'W
 SW 46° 27.51'N 048° 30.20'W
 SE 46° 27.10'N 048° 27.41'W

Hibernia

Hibernia Platform
46° 45.021'N 048° 46.911'W

North SAL System (Loading System)
46° 44.846'N 048° 45.322'W

South SAL System (Loading System)
46° 44.592'N 048° 45.427'W

Hibernia South Excavated Drill Centre (EDC)
46° 41.900'N 048° 44.996'W

Safety Zone
500m radius around Hibernia Platform and each SAL.
1400m radius around EDC.
500m outside lines connecting each of the above coordinates.

White Rose

SeaRose FPSO
46° 47.332'N 48° 00.977'W

Safety Zone
 46° 52.805'N 048° 02.945'W
 46° 45.934'N 047° 59.095'W
 46° 43.988'N 047° 59.375'W
 46° 43.417'N 048° 01.912'W
 46° 43.510'N 048° 04.186'W
 46° 44.630'N 048° 04.880'W
 46° 52.200'N 048° 05.037'W

Hebron

Hebron Platform
46° 32.644'N 048° 29.884'W

North Offshore Loading System (OLS)
46° 33.732'N 048° 30.233'W

South Offshore Loading System (OLS)
46° 33.519'N 048° 28.909'W

Safety Zone
500m radius around each of the above coordinates and 500m outside lines connecting each of the above coordinates.

CONTACT INFORMATION

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