



251 East White Hills Road
St. John's, NL, A1C 5W4
Phone: 709-726-7596
Fax: 709-739-5939

Date: January 19, 2022

Recipients:

Canadian Transportation Agency (Email)

Email: maritime@cta-otc.gc.ca

Canada Border Services Agency (Email)

Email: coastingtrade-cabotage@cbsa-asfc.gc.ca

Subject: Coasting Trade Application – “Seven Falcon”

Pages: \ \

Good Day Melanie / Celine,

We are requesting processing of a coasting trade application for the above vessel. The proceeding documentation will provide details of the application and demonstrate necessary regulatory requirements.

Should you require clarification on any points in the application or have any questions in general, please contact the undersigned.

Regards,

A handwritten signature in cursive script that reads 'Ron Malone'.

Ron Malone
Consulting Manager, CCS, CTCS

PF Collins International Trade Solutions

Email: rmalone@pfcollins.com

**APPLICATION FOR VESSEL TEMPORARY
ADMISSION TO THE COASTING TRADE OF CANADA**

1. Details of the vessel:

(a) Name/Registry:

DSV Seven Falcon / Isle of Man

IMO # 9455167

(b) Category and Type:

Dive Support Vessel

(c) Characteristics:

GRT	11071 MT
LENGTH OVERALL	120 M
BREADTH MOULDED	23.45 M
DRAFT	8.25 M
DEADWEIGHT	7381.592 MT summer freeboard
ACCOMODATIONS	120 Persons & 24 Man SAT System
TRANSIT SPEED (knots)	14 Knots

(d) Classification:

1A1 ICE-C SF COMF-V(3)
HELDK-SH DSV-SURFACE and SAT E0 DYNPOS-AUTRO NAUT-AW CLEAN
DESIGN DK (+)

(e) Special Characteristics of Vessel:

Saturation Diving System

Saturation Diving System on the Seven Falcon is equipped with a 24 man, 400m saturation diving system with two diving bells. The vessel is also fitted with 2 x remotely operated vehicles consisting of an observation class ROV and a work class ROV.

Deck Cranes with Rigging for Cargo

Crane, Main Deck Port :	250 ton MacGregor - Active Compensation , max operating water depth 2000 m
Crane, C Deck Port :	40 ton MacGregor - Active Compensation , max operating water depth 500 m
Crane, C Deck Starboard:	10 ton MacGregor - Active Compensation , max operating water depth 500 m

The cranes are fitted with a heated oil system to work in extreme cold conditions

Manoeuvring Machinery and Equipment

Main Engines

Number - 8

Type - Caterpillar 3516c HD

Power - 2188 KW

Generators

Number - 8

Type - SES MJR560

Power - 2100 KW

Propulsion

Number - 2

Type - AZP 120

Power - 3500 KW

Thrusters

Number - 3

Type - Rolls Royce UL-2001 FP (Retractable Azimuth)

Power - 1500 KW

Location - 1 x aft, 2 x forward

Number - 2

Type - Rolls Royce TT-2400 (Tunnel)

Power - 1500 KW

Location – Forward

Roll Damping and Anti-Heeling System

An active automatic Roll-Damping and Anti-Heeling System is installed for roll reduction and anti-heeling. Supplied by Interling AG.

The system consists of 2 U-shaped tank with pneumatic actuation.

Dynamic Positioning System (DPS)

The vessel is fitted with a Kongsberg K-P05 DP-21 with back up K-POS DP11 designed for all DP applications with the full range of functionality.

NMD DP Class 3 (ERN 99.99.99) DP HIL Certification

Reference System

2 - LTW

2 - DGPS/ Veripos

2 - HiPAP 500

1 - Mini – RadaScan

1 - SpotTrack

Main Deck

Clear Deck Area (m2) - 1050 m2

Deck Strength - 10t/m2

Capacities

Fuel Oil (m3) - 1,335m2

Fresh Water - 800m3

Ballast Water - 6,200m3

Accommodation

Berths (No.) - 120 + 24 in SAT

Berths (No.) - 28 x Single, 46 x double cabins

Helideck

Suitable for S-92 Helicopters, c/w environmental, meteorological and vessel data system

Moonpull

Moonpull(No.) - 2 x Diving

Dimensions (m) – 4.8m x 4.8m

Dive System

Men (No.) - 24

Bells (No.) - 2

Depth Rating (m) - 400m

Dive System Comments – Fully compensated with dual redundancy dive control system, individual monitoring of divers. Heave compensated bell handling system. 2x24m man hyperbaric lifeboats. Fully certified for Norwegian operations.

Bell Handling System

Each diving bell is provided with an independent handling system. Each handling system is electrically powered, and is provided with electrical controls which include various interlocks designed to minimize the risk of damage to equipment and injury to personnel. These protective devices equal or exceed all regulatory/classification requirements. Each bell handling system is active heave compensated and can work in seas up to 6m.

ROV System

ROV's (No. and Type) - 1 x Lynx OBSROV and 1 x Hercules 200 Work class ROV

Operating Depth Rating (m) – 500m, 2000m

ROV Comments - WROV Installed in Large Hanger on Starboard side

Lynx Obs Class ROV Installed forward of the main deck on the starboard side

See **Appendix A** for Vessel Specifications for the Seven Falcon.

2. Scope of Work:

(a) Geographical Location

Offshore Newfoundland on the East Coast of Canada in the Terra Nova oil fields

(approximately 350 km south-east of NL)

(b) Details of Operation

Brief Scope of Work

Suncor Energy operates the Terra Nova FPSO, located 350 km East-Southeast of St. John's, Newfoundland, off the coast of Canada in approximately 95 msw of water depth. The field development is based on production to a turret moored Floating Production, Storage and Offloading vessel (FPSO) from the subsea production systems. These components are interconnected through a combination of umbilicals, risers and flowlines. A schematic of the existing Terra Nova field is shown below in Figure 1-1: Terra Nova Field Layout.

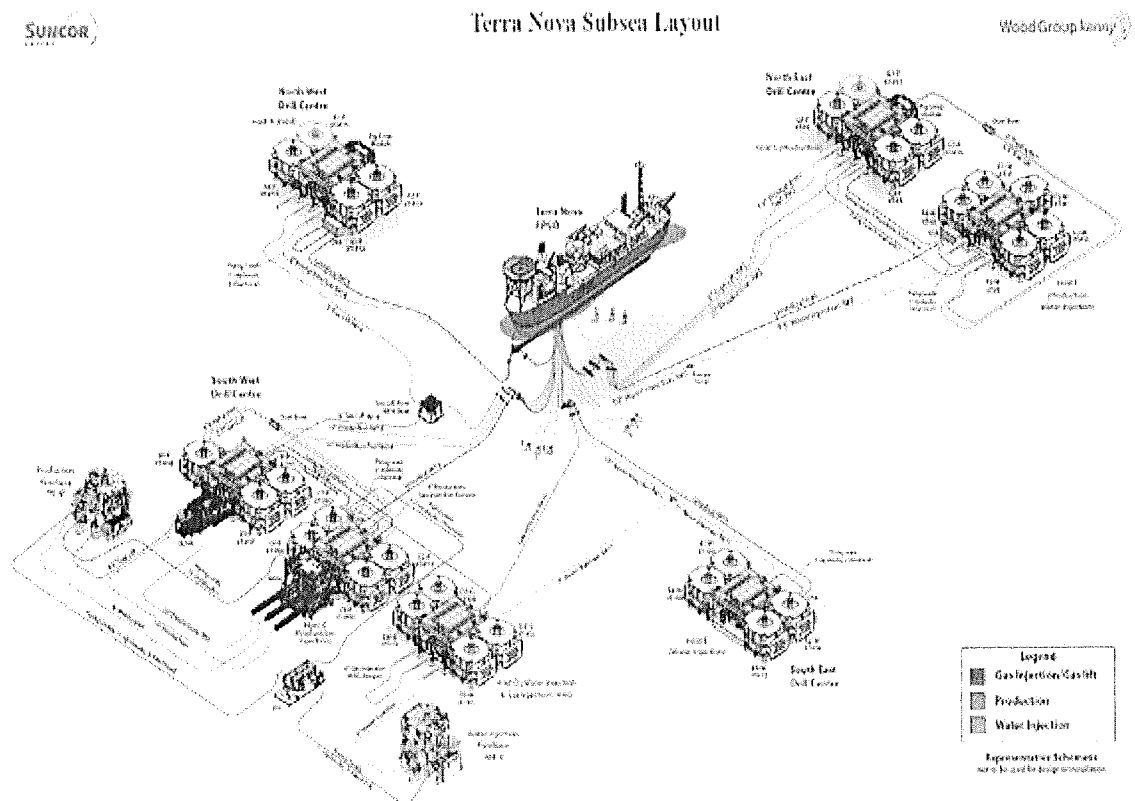


Figure 1-1: Terra Nova Field Layout

Subsea 7 has been contracted by Suncor to complete the 2022 Subsea Project. All work must be completed by means of Saturation Diver. The work includes the following of nine (9) tasks.

- 1) Task 1 – Mooring System Upgrade for life extension. Including Replacement of the following:
 - a. 9off Upper Chain Segments: 159mm/146mm, 96.4m
 - b. 9off Excursion Limiter Assembly: 159mm, 115m
 - c. 9off Ground Chain Segments: 146mm, 8x 35m, 250m (#6)
 - d. 9off Chain Support Assembly: single axis to dual axis

- e. 3off Anchor Leg Monitoring System: transponder buckets to be removed and ROV friendly ones to be installed
 - f. Cathodic Protection checks on old and new chain
- 2) Task 2 – Water Injection (WI) Riser 11 Replacement
 - a. Disconnection and removal of existing riser
 - b. Removal of existing riser ancillaries
 - c. Wet storage of existing riser
 - d. Installation of replacement riser and ancillaries
 - e. Stabilization and reinstatement of concrete mattresses
 - f. Pre-commissioning
- 3) Task 3 – Gas Injection (GI) Jumper 12 Pup Piece Spool to ROVCON Leak Remediation
 - a. Disconnection of failed Pup Piece & ROVCON
 - b. Installation of new Pup Piece & if required, new ROVCON
 - c. Pre-Commissioning
- 4) Task 4 – C7-P Jumper Installation
 - a. Installation of C7-P Jumper
 - b. Pre-Commissioning
- 5) Task 5/6 – Spider Buoy Emergency Shutdown Valve (ESV) Installation
 - a. Spider Buoy Emergency Shutdown Valve (ESV) Installation (6off)
 - b. Spider Buoy Emergency Shutdown Valve (ESV) Replacement (2off)
 - c. Pre-commissioning.
- 6) Task 7 - Continuity cables for DACSAs,
 - a. Make up continuity cables
 - b. Confirmation of Continuity
- 7) Task 8 - G3 PAR, and
 - a. Plug installation
 - b. Pre-commissioning
- 8) Task 9 - ROVCON crack mitigations
 - a. Installation of physical stop on up to four (4 off) ROVCON connectors

Special Operational Requirements

In order to complete the scope of work a vessel is required that contains a saturation diving system. Other requirements are 100 ton+ active heave compensated crane, accommodations for 110 or greater personal, clear deck with 400+ sq m² including dive support gear installed, Dynamic Positioning Level II.

- (e) Customs Office of Importation: St. John's, NL
- (e) Customs Office of Accounting: St. John's, NL

3. **Period of Time for which Permission is Required:**

Starting Date: April 15, 2022
Completion Date: July 31, 2022
Permission required by: February 18, 2022

4. **Additional Application Information:**

a) **Changes to the Dates Proposed:**

The dates cannot change due to contractual obligations of our client Subsea 7 Canada Inc.

b) **Reasons Why the Applicant Determined No Alternative But to Import the Foreign Vessel:**

Suncor Energy Inc. issued an expression of interest on January 8th, 2021. No Canadian-flagged Dive Support Vessels were identified in this process or the subsequent competitive bid stage.
Our client is not aware of any Canadian Dive Support Vessel with a saturation diving system which is necessary to perform the scope of work for this project.

5. **Legislative Background Information**

This application is made under provisions of the *Coasting Trade Act*, *Oceans Act* and the *Customs and Excise Offshore Application Act*.

6. **Details of the Applicant/Client:**

Applicant (on behalf of client): P F Collins International Trade Solutions

Contact: Ron Malone
Telephone No. 709-738-6516
Fax Number: 709-726-1798

Name of Client: Suncor Energy Inc. c/o Subsea 7 Canada Inc.

7. **Signature of applicant's authorized representative:**



Signature



Date



**APPLICATION FOR VESSEL TEMPORARY
ADMISSION TO THE COASTING TRADE OF CANADA -
COASTING TRADE LICENCE REQUIRED**

Pursuant to the *Coasting Trade Act*, December 1, 1992, and
P.C. 1990-939 *Vessel Duties Reduction or
Removal Regulations*

Questions concerning the CBSA licensing process should be directed to:

Canada Border Services Agency
Commercial Registration Unit
191 Laurier Ave. W., 12th Floor
Ottawa ON K1A 0L8
Fax: (613) 946-0242
E-mail: coastingtrade-cabotage@cbsa-asfc.gc.ca

Questions concerning the Canadian Transportation Agency's process should be directed to:

Canadian Transportation Agency
Rail and Marine Determinations Division
15 Eddy Street
Gatineau QC K1A 0N9
Telephone: (819) 997-8354
Fax: (819) 934-0631
E-mail: maritime@cta-otc.gc.ca
website: www.otc-cta.gc.ca

Please provide the following details and attach your summary of the request for vessel temporary importation (print or type).

**DEMANDE D'ADMISSION TEMPORAIRE D'UN NAVIRE
POUR FINS DE CABOTAGE AU CANADA -
LICENCE DE CABOTAGE REQUISE**

Conformément à la *Loi sur le cabotage* du 1^{er} décembre 1992 et au
*Règlement sur la diminution ou la suppression des droits de douane
sur les navires* (C.P. 1990-939)

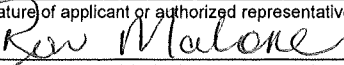
Pour toutes questions concernant la procédure douanière :

Agence des services frontaliers du Canada
Unité de l'agrément commercial
191, av. Laurier O., 12^e étage
Ottawa (Ontario) K1A 0L8
Télécopieur : 613-946-0242
Courriel : coastingtrade-cabotage@cbsa-asfc.gc.ca

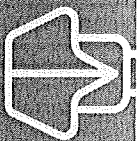
Pour toutes questions s'adressant à l'Office des transports du Canada :

Office des transports du Canada
Division des déterminations relatives aux transports ferroviaire et maritime
15, rue Eddy
Gatineau (Québec) K1A 0N9
Téléphone : 819-997-8354
Courriel : maritime@cta-otc.gc.ca
Site Web : www.otc-cta.gc.ca

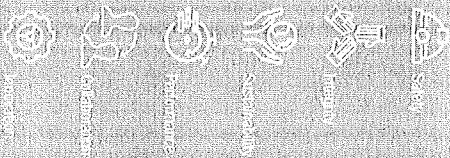
Veillez remplir le présent formulaire en lettres moulées, et annexer le sommaire de votre demande d'importation temporaire.

1. Characteristics of vessel - Caractéristiques du navire			
(a) Name of vessel - Nom du navire Seven Falcon		(b) Country of Registry - Pays d'immatriculation Isle of Man	
(c) Category/Type vessel - Catégorie/type de navire Dive Support Vessel			
(d) Gross register tonnage - Jauge brute 11071	(e) Deadweight tonnage capacity Port en lourd 7381.592	(f) Summer draft Tirant d'eau d'été 8.25	(g) Passenger berth capacity (cruise ship) Nombre de couchettes pour passagers (navire de croisière)
2. Complete description of the proposed engagement/operation - Description complète de l'affectation ou de l'opération proposée			
(a) Geographical location(s) including origin, destination, and all points/ports to be served Lieux géographiques (y compris le point d'origine, la destination et tous les autres points ou ports à desservir) See Attached			
(b) Details of cargo (including tonnage) or other marine activity - Description de la cargaison (y compris le tonnage) ou des autres activités maritimes See Attached			
(c) Number of passengers (excursion) Nombre de passagers (excursion)		(d) Special characteristics or requirements Caractéristiques ou besoins spéciaux see attached	
(e) CBSA office of importation Bureau de l'ASFC à l'importation St. John's, NL		(f) CBSA office of accounting Bureau comptable de l'ASFC St. John's, NL	
(g) Period for which permission is required (maximum 12 months) Période pour laquelle la licence est requise (durée maximale de 12 mois) 3.5 months		(h) Starting date Date du début des activités April 15, 2022	(i) Completion date Date de fin des activités July 31, 2022
3. Details of the Importer - Détail de l'importateur			
(a) Legal Entity Name of Importer and Address - Nom juridique de l'importation et address Suncor Energy Inc. C/o Subsea 7 Canada Inc.		(b) Operating Name of Business - Nom opérationnel de l'entreprise	
4. Details of the Canadian applicant/broker/agent - Détails du demandeur canadien, son courtier ou son mandataire			
(a) Company Name and Address - Nom d'entreprise et l'adresse PF Collins International Trade Solutions P.O. Box 5514 St. John's, NL		(b) Telephone No. - N° de téléphone 709-738-6516	(c) Fax No. - N° de télécopieur 709-726-1798
Postal code - Code postal A1C 5W4		(d) E-mail address - Adresse électronique rmalone@pfcollins.com	
(e) Signature of applicant or authorized representative - Signature du demandeur ou du représentant autorisé 			(f) Date 2022-01-19
(g) Name of Applicant or Authorized Representative - Nom de demandeur ou représentant autorisé Ron Malone			

APPENDIX A



VESSELS
Diving



subsea 7



Seven Falcon

Vessel Info

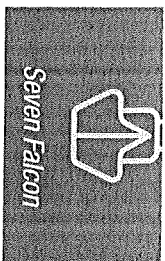
Full specification overview

Seven Falcon is one of the most advanced diving vessels in the world, featuring a 24 person twin bell saturation diving system operationally rated to 300m, and a heave compensated 250t crane.

- Length 120m x breadth 23m
- 24 person twin-bell saturation diving system
- Heave compensated 250t crane
- Accommodation for 120 persons
- Deck area 1,050m²

Fast Facts

- Ice Class Hull allows the vessel to operate in minor polar climates
- Fully computerised dive control system with dual redundancy and individual monitoring of divers



subsea 7

General Information

Type	Diving
Classification	1A1 ICE-C SF COMF-V(3) HELDK-SH DSV-SURFACE and SAT E0 DYNPOS-AUTRO NAUT-AW CLEAN DESIGN DK(+)
Flag	Isle of Man
Year Built	2010

Principal Dimensions

Length Overall (m)	120m
Breadth (m)	23m
Depth Main Deck (m)	10.04m
Summer Max Draft (m)	8.25
Normal Operating Draft (m)	7.50
Gross Tonnage (t)	11,071t
Transit Speed (knots)	14kts (approx)

Power and Propulsion

Main Engines	8
Number	Caterpillar 3516C HD
Type	2,188kW
Generators	8
Number	SES MJR560
Type	2,100kW
Power (kW)	2
Propulsion	AZP 120
Number	3,500kW
Type	
Power (kW)	
Thrusters	3
Number	Rolls Royce UL-2001 FP
Type	(retractable azimuth)
Power (kW)	1,500kW
Location	1x aft, 2x forward
Number	2
Type	Rolls Royce TT-2400 (tunnel)
Power (kW)	1,500kW
Location	Forward

DP System

DP Classification	Kongsberg K-POS DP 21 with back-up K-POS DP II NMD DP Class 3 (ERN 99.99.99) DP HIL certification
Reference System	2x LTW 2x DGPS / Veripos 2x HIPAP 500 1x Mini-RadaScan 1x SpotTrack

Main Deck

Clear Deck Area (m ²)	1,050m ²
Deck Strength (t/m ²)	10t/m ²

Cranes

Main Crane Capacity (t)	250t
Manufacturer	MacGregor
Operating Water Depth (m)	2,000m (single tall)
AHC	Yes
Location	Main deck, port side
Main Crane Comments	20t auxiliary hoist, certified for man-riding
Location	40t
Auxiliary Crane 1 Capacity (t)	C-deck, port side
Location	5t auxiliary hoist, certified for man-riding
Auxiliary Crane Comments	10t
Auxiliary Crane 2 Capacity (t)	C-deck, starboard
Location	Active Heave Compensated (AHC)
Auxiliary Crane Comments	

Dive System

Person (No.)	24
Bells (No.)	2
Fully computerised with dual redundancy dive control system. Individual monitoring of divers. Heave compensated bell handling system. 2x 24 person hyperbaric lifeboats. Fully certified for Norwegian operations and NORSOX compliant.	

Moonpool

Moonpool (No.)	2x diving
Dimensions (m)	4.8m x 4.8m

ROV System

ROVs (No. and type)	1x WROV Herc 31 1x OBSROV Lynx 1101 WROV 3,000m OBSROV 1,500m
Operating Depth Rating (m)	

WROV installed in large ROV hangar on starboard side. Tether 850m
Max (650m Standard). OBSROV installed on a mezzanine deck on
starboard side just aft of accommodation. Length of TMS Tether
220m Max (190m Standard).

Accommodation

Berths (No.)	120 + 24 in SAT
Cabins (No.)	28x single cabins 46x double cabins

Helideck

Type	Suitable for S-92, c/w environmental, meteorological and vessel data system
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The Subsea 7 fleet comprises of vessels that have exceptional versatility, capable of operations worldwide including: pipeline construction, survey, remote intervention, diving support, heavy lifting operations, renewables and decommissioning.

Our Differentiators



client.enquiry@subsea7.com



www.subsea7.com

