



NIRB Application for Screening #125721

Swan Hellenic Vega - Arctic Cruises 2022

Application Type: New

Project Type: Tourism

Application Date: 6/24/2022 5:43:45 PM

Period of operation: from 0001-01-01 to 0001-01-01

Proposed Authorization: from 0001-01-01 to 0001-01-01

Project Proponent: F.K. Warren Ltd.
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DETAILS

Non-technical project proposal description

English: SWAN HELLENIC's, Maltese flagged small cruise vessel SH VEGA will be making the following Arctic cruises in 2022: Kangerlusuaq, Greenland to Kangerlusuaq, Greenland from September 09, 2022 to September 25, 2022. Kangerlusuaq, Greenland to Halifax, Canada, from September 25th, 2022 to October 10th, 2022. The vessel specializes in luxury adventure cruising and carries a maximum of 152 passengers and 120 crew members. The passengers are predominately North American and European nationals and the crew are a mix of nationalities. During this cruise, the vessel will be stopping at various locations in Nunavut. These locations can be found on the attached itinerary and map. Approximately 6 to 10 Zodiacs would be transporting passengers between the cruise vessel and shore at one time. No more than 100 people would be ashore at one time. This number can be reduced if required. The exact locations where the activities will take place in each area is unknown. The locations in each area will be determined by the Expedition Leader and Captain based upon weather and ice conditions and the presence of wildlife. Once passengers are landed ashore, they will be able to explore the location they are visiting in small groups. They will be assisted by crew members who are trained guides and naturalists that will provide safety guidance and information on the environment. The information supplied is specific to each location and is made in an effort to afford protection and conservation of the locations visited. Passengers will be instructed on where they should go, what to avoid and what is and isn't acceptable so as to avoid causing damage to any sites or to the environment they are visiting. The utmost care will be taken to provide an informative and positive experience without disruptive consequences. Crew members will also be stationed to provide a Polar Bear watch for passenger safety. Any firearms these crew will carry will be properly documented with the Canadian Border Service Agency (CBSA). Passenger and crew member involvement at these remote ports of call is meant for the purpose of personal interest and the activity undertaken will be confined to sightseeing only. No flora, fauna, soil, artifacts, remains or other material will be disturbed or collected for research purposes. As well, no structures will be erected and no equipment or other debris will be left ashore. SH VEGA is a cruise vessel providing adventure tourism opportunities to its passengers and is not a research or education vessel.

French: Le petit navire de croisière SH VEGA, battant pavillon maltais de SWAN HELLENIC, effectuera les croisières suivantes dans l'Arctique en 2022: Kangerlusuaq, Groenland à Kangerlusuaq, Groenland, du 09 septembre 2022 au 25 septembre 2022. Kangerlusuaq, Groenland à Halifax, Canada, du 25 septembre 2022 au 10 octobre 2022. Le navire se spécialise dans la croisière d'aventure de luxe et transporte un maximum de 152 passagers et 120 membres d'équipage. Les passagers sont principalement des ressortissants nord-américains et européens et l'équipage est un mélange de nationalités. Au cours de cette croisière, le navire s'arrêtera à divers endroits au Nunavut. Ces emplacements se trouvent sur l'itinéraire et la carte ci-joints. Environ 6 à 10 Zodiacs transporteront des passagers entre le navire de croisière et la rive en même temps. Pas plus de 100 personnes seraient à terre en même temps. Ce nombre peut être réduit si nécessaire. Les endroits exacts où les activités auront lieu dans chaque zone sont inconnus. Les emplacements dans chaque zone seront déterminés par le chef d'expédition et le capitaine en fonction des conditions météorologiques et de la glace et de la présence d'animaux sauvages. Une fois que les passagers seront débarqués à terre, ils pourront explorer l'endroit qu'ils visitent en petits groupes. Ils seront assistés par des membres d'équipage qui sont des guides et des naturalistes formés qui fourniront des conseils de sécurité et de l'information sur l'environnement. Les informations fournies sont spécifiques à chaque emplacement et sont faites dans le but d'assurer la protection et la conservation des sites visités. Les passagers seront informés de l'endroit où ils doivent aller, de ce qu'ils doivent éviter et de ce qui est acceptable et de ce qui ne l'est pas afin d'éviter de causer des dommages aux sites ou à l'environnement qu'ils visitent. Le plus grand soin sera pris pour fournir une expérience informative et positive sans conséquences perturbatrices. Les membres d'équipage seront également stationnés pour assurer une surveillance de l'ours polaire pour la sécurité des passagers. Toutes les armes à feu que ces membres d'équipage porteront seront dûment documentées auprès de l'Agence des services frontaliers du Canada (ASFC). La participation des passagers et des membres d'équipage à ces ports d'escale éloignés est destinée à des fins d'intérêt personnel et l'activité entreprise se limitera aux visites touristiques seulement. Aucune flore, faune, sol, artéfact, reste ou autre matériel ne sera perturbé ou recueilli à des fins de recherche. De plus, aucune structure ne sera érigée et aucun équipement ou autre débris ne sera laissé à terre. SH VEGA est un navire de croisière offrant des possibilités de tourisme d'aventure à ses passagers et n'est pas un navire de recherche ou d'éducation.

[illegible]

Inuinnaqtun: SWAN HELLENIC's, Maltese takujaq mikijunik umiarjuakkut umiaq SH VEGA-kut pidjutiniaqtut hapkuninga Ukiuqtaqtumi umiarjuakkut 2022-mi: Kangerlusuaq, Kalaallaliit Kangerlusuaq, Kalaallaliit Apitilirvia 09, 2022 talvunga Apitilirvia 25, 2022. Kangerlusuaq, Kalaallaliit hamunga Halifax, Kanatami, hamanga Apitilirvia 25, 2022 hamunga Tattiarnaqtuq 10, 2022. Umat taijahumajut uvani pinniippiaktut umiarjuat imaalu uhittaaqtut kikliqaqtumik 152nik uhitiqtunik imaalu 120nik havaktiik. Tingmijut Ukiuqtaqtumi Amialikami imaalu European-mi nunarjuami imaalu havaktut aalakiit nunarjuami. Atuqtulugu una umiarjuakkut, umiaq nutqaqtitauniaqtuq aalakiik najugahani Nunavunmi. Hapkua najugait paqinaqtut ilaliutihimajut tingmidjutikhat nunaujallu. Imaatut 6-mit 10-mut Zodiacs-mut agjaqtauniaqtut tingmijunut akkungangni umiarjuakkut umiat hinaanillu atauhirmi. Avatqulimaittut 100-nik inungnik hinaanit. Una nampanga ikiklijuumiqtaaqtuq ihariagijaukpat. Nalaumanaqtut humi hulilukaarutit atuqtauniaqtut atauttini najugaini ilihimajaungitut. Najugait atauttini najugaini ihumaliugutauniaqtut hapkunanga Qilamik Hivuliqtimin imaalu Kaptiap pihimajut hilatigut imaalu hikukkt qanuginiit imaalu piqaqat huradjanik. uhittiqut nunalitkumikhinaani, qiniqhianiaqtut najugakhainik pulaaqtaqtut ikitunut katimajunut. Ikajuqtauniaqtut tingmihiqijinin ilaujut kitut ajuiqhaqhimajut maligahanik imaalu idjuhiliqijit tapkua tunihiniaqtut qajangnautikkut atugakhanik imaalu kangiqhidjutinik avatiptingnun. Kangiqhidjutit tunijaujut kitunun atauttinun najugahainun imaalu havaktauhimajut akhuuqhutik akiligianganu quviahuutit, munaridjutikhat imaalu tamaqtailinikkut najugait pulaaqtaqtut. Uhittiqtukhat uqaudjauniaqtut humungaujukhat, hunanik pittailinahuarlugit hunallu ihuangitpatalu ahirruqtaurnaittumik nalliinut imaaluuniit avatimingnut pulaarumik. Tamna utaqqidjutikharnik havaktauniaqtun tunijaangat naunairutikharnik ihuaqtumiklu havakpakhimajainik taima ajungnautiqahimaitumik ajungnautiqagtunik. Tingmitini havaktiit takkunniagtun tunijaami Nannuq qungiaqtipkailutik tingmijukhanun qajangnainnirnun. Qujaginaq hiqquutit hapkua tingmihiqijit tigumiarniaqtut ihuaqtumik titiraqtauniaqtut hapkununga Kanatami Kikliitigut Kivgaqtuqtut Timiqutit (CBSA). Aullaqtukhaq imaalu tingmihiqijit ilaujut hapkunani unghaktuni tulaktarviinni pijaujuq inuup pijumajainnik imaalu hulipkaidjutikhat havaktauhimajut naunaiqtaulimaittut takujumaplugit. Piqangittuq nauttianik, umajut niqikhait, nuna, qungiaqtaunikkut, aulangituq imaaluuniin aalat tamajat katitiqtauniaqtut qaujihaqtaunikkut pidjutiaqtaqtut.

Imaatutlu,hunanik nappaqtiqtaulimaittut, imaalu ingilrutit imaaluuniin aalat iqakuukhat qimaktaujunaittut hinaanut. Tamna SH VEGA umiarjuakkut tunihimaarniaqtut auladjutikharnik aquiijulijunik pidjutikharnik tingmijunun qaujihaqtaungittut ilihairutikharnikluuniit umiarmi.

Personnel

Personnel on site: 272

Days on site: 9

Total Person days: 2448

Operations Phase: from 2022-09-13 to 2022-10-04

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Pond Inlet - Community Visit 72°42'0.65N, 077°58'54.71W	Tourism Activities	Crown	Pond Inlet is a small community in Nunavut, located on northern Baffin Island. Community visit and engagement is planned for calls to Pond Inlet	N/A	The Sirmilik National Park on Bylot Island, the Tamaarvik Territorial Park, and the Qilaukat Thule site are near the hamlet.
Bylot Island 73°43'38.85N 72°42'55.13N to 081° 7'50.44W 079°20'18.05W	Tourism Activities	Crown	Almost all of the island is located within Sirmilik National Park, harbouring large populations of thick-billed murres, black-legged kittiwakes and greater snow geese. The eastern area of the island is federally designated as the Bylot Island Migratory Bird Sanctuary.[6] The Bylot Island Research Station is owned and run by the Centre d'études Nordiques (CEN: Centre for Northern Studies) and in collaboration with Parks Canada	Home to some of the best-preserved prehistoric artifacts in Canada's Far North. While remains of Paleoeskimo (Pre-Dorset and Dorset) cultures represent the earliest human occupations in within the park region, they represent only a small portion of the documented archaeological sites and Thule / Inuit sites make up the majority of documented archaeological sites within the park	Located within Sirmilik National Park Pond Inlet
Beechey Island 74°42'47.12N 091°49'46.70W	Tourism Activities	Crown	Beechey Island is best known for containing three graves of Franklin expedition members, which were first discovered in 1850 by searchers for the lost Franklin expedition	Five archaeological sites on Beechey Island and nearby Devon Island (the Franklin wintering camp of 1845–46, Northumberland House, the Devon Island site at Cape Riley, two message cairns, and the HMS Breadalbane National Historic Site) were designated as the Beechey Island Sites National Historic Site of Canada.[6]	Resolute

Dundas Harbour 74°31'54.32N / 082°24'56.05W	Tourism Activities	Crown	An outpost was established at the harbour in August 1924 as part of a government presence intended to curb foreign whaling and other activity. The Hudson's Bay Company leased the outpost in 1933. returned to the mainland 13 years later. Dundas Harbour was populated again in the late 1940s to maintain a patrol presence, but it was closed again in 1951 due to ice difficulties.	Only the ruins of a few buildings remain, along with one of the northernmost cemeteries in Canada. [7] houses made of sod and whale ribs, qajaq (kayak) stands, even ingenious polar bear traps fashioned out of stone.	Largest uninhabited in the world
Iqaluit 63.7467° N, 68.5170° W	Tourism Activities	Crown	Iqaluit is the capital city of the Canadian territory of Nunavut. It sits on vast Baffin Island in Frobisher Bay. The island is known for its ice-capped mountains and tundra valleys. Near the city, Sylvia Grinnell Territorial Park is home to caribou and Arctic foxes. CBSA Clearance and Community visit planned for Iqaluit.	Qaummaarviit Territorial Park, on a tiny island near the city, contains archaeological remains of the ancient Thule people	Iqaluit
Lady Franklin Island 62.9200° N, 63.6941° W	Tourism Activities	Crown	Lady Franklin Island, is an uninhabited Baffin Island offshore island located in the Arctic Archipelago in the territory of Nunavut.	N/A	Iqaluit
Akpatok Island 60.4162° N, 68.1412° W	Tourism Activities	Crown	Uninhabited island in Ungava Bay.	Now uninhabited, for many centuries Akpatok was home to Indigenous peoples. The last Inuit residents departed for the mainland in around 1900. Inuit do still frequent the island in order to	Located in Ungava Bay, closest community to Kimmirut

			hunt and there are a few traces of civilization here, such as the remains of an ancient Dorset (pre-Inuit) settlement.	
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Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Pond Inlet	Theresa Dalueg / Dave Stockley	Municipality of Pond Inlet	2022-02-15
Iqaluit	Martine Dupont / Louis-Philip Pothier	INUKPAK OUTFITTING Inc.	2022-02-08

Authorizations

Indicate the areas in which the project is located:

Transboundary
North Baffin
South Baffin

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Canadian Wildlife Service	Pending	Applied, Decision Pending		
Qikiqtani Inuit Association	Pending	Applied, Decision Pending		
Government of Nunavut, Department of Economic Development & Transportation	Outfitter's License	Applied, Decision Pending		
Government of Nunavut, Department of Environment	Wildlife Observation License	Not Yet Applied		

Project transportation types

Transportation Type	Proposed Use	Length of Use
Water	Cruise Vessel, SH VEGA	

Project accomodation types

Other,

Material Use

Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Cruise Vessel	1	113m Long; 10,700 Gross Registered Tons	Vessel providing transport and accommodations
Zodiacs	10	5 ft long	Each Zodiac can carry a maximum number of 15 persons however, during operations no more than 10 passengers and one driver are carried on board. Usually, a total of 8 to 10 Zodiacs are used at any one time for transporting passengers between the cruise vessel and shore, or for sight-seeing cruises.

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Gasoline	fuel	20	35	700	Liters	Unleaded gasoline to refill zodiacs. Stored in certified containers,

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0	Vessel will consume on board supply of fresh water and will only intake seawater to provide potable water for on board consumption when necessary.	Vessel will only intake seawater when necessary. Retrieval location will depend upon location of vessel when intake required.

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Marine Based Activities	Combustible wastes	TBA	Retained on board vessel	The treatment and disposal of waste products produced in the course of vessel operations is carried out in accordance with the International Convention for the Prevention of Pollution from Ships (MARPOL); and other relevant regulations and legislation [e.g., Transport Canada: 'Arctic Waters Pollution Prevention Act' (AWPPA) and related regulations]. All MARPOL regulations covering the treatment of oil and oily water residues; treatment of sewage and grey water; disposal of waste and other pollutants are either met or exceeded.
Marine Based Activities	Greywater	TBA	Advanced Waste Water Treatment System (AWWTS) able to meet or exceed land based standards	The treatment and disposal of waste products produced in the course of vessel operations is carried out in accordance with the International Convention for the Prevention of Pollution from Ships (MARPOL); and other relevant regulations and legislation [e.g., Transport Canada: 'Arctic Waters Pollution Prevention Act' (AWPPA) and related regulations]. All MARPOL regulations covering the treatment of oil and oily water residues; treatment of sewage and grey water; disposal of waste and other pollutants are either met or exceeded.
Marine Based	Hazardous	TBC	Retained on board	The treatment and

Activities			vessel	disposal of waste products produced in the course of vessel operations is carried out in accordance with the International Convention for the Prevention of Pollution from Ships (MARPOL); and other relevant regulations and legislation [e.g., Transport Canada: 'Arctic Waters Pollution Prevention Act' (AWPPA) and related regulations]. All MARPOL regulations covering the treatment of oil and oily water residues; treatment of sewage and grey water; disposal of waste and other pollutants are either met or exceeded.
Marine Based Activities	Non-Combustible wastes	TBC	Retained on board vessel	The treatment and disposal of waste products produced in the course of vessel operations is carried out in accordance with the International Convention for the Prevention of Pollution from Ships (MARPOL); and other relevant regulations and legislation [e.g., Transport Canada: 'Arctic Waters Pollution Prevention Act' (AWPPA) and related regulations]. All MARPOL regulations covering the treatment of oil and oily water residues; treatment of sewage and grey water; disposal of waste and other pollutants are either met or exceeded.
Marine Based Activities	Sewage (human waste)	TBC	Advanced Waste Water Treatment System (AWWTS) able to meet or exceed land based standards	The treatment and disposal of waste products produced in the course of vessel operations is carried out in accordance with the International Convention for the Prevention of

				Pollution from Ships (MARPOL); and other relevant regulations and legislation [e.g., Transport Canada: 'Arctic Waters Pollution Prevention Act' (AWPPA) and related regulations]. All MARPOL regulations covering the treatment of oil and oily water residues; treatment of sewage and grey water; disposal of waste and other pollutants are either met or exceeded.
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Environmental Impacts:

Ship and small boat operations have the potential to adversely impact wildlife, including through the vessel's presence and noise; and pollution from inadvertent ship discharges and exhaust. In addition, ship operations have the potential to specifically adversely impact marine flora and fauna, as a result of dropping the anchor; increased water turbulence; accidental collision; or where a vessel accidentally runs aground. Human activities ashore have the potential to result in 'harmful interference' with flora, fauna and ecological processes. Breeding birds or hauled-out seals may be disturbed by visual or acoustic effects of human activity. In the case of breeding birds, disturbance of incubating, brooding or guarding parents could predispose eggs or young to environmental stress (e.g., chilling/overheating); increased risk of predation; or injury by neighbors. Sensitive vegetation may be damaged if people are careless and walk over them, rather than around them. Despite these potential impacts, SH Vega believes that - based on their normal practices and procedures - their operations will have no more than negligible impact on the environment. In order to undertake 'off ship' excursions or activities, the vessel will stop (or anchor) in areas to ensure minimal disturbance to proximate wildlife (i.e., known seabird colonies, breeding beaches and other aggregations), and minimal damage to sensitive sea floor substrate areas while maximising vessel (and in turn, passenger and crew) safety.

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION I1: Municipal Development

Description of Existing Environment: Physical Environment

See attached the marine route and proposed landing site coordinates for each voyage. Proposed Wildlife sites include Bylot Island Migratory Bird.

Description of Existing Environment: Biological Environment

BYLOT ISLAND MIGRATORY BIRD SANCTUARY•Peregrine Falcon, Red Knot (Special Concern)•Bowhead Whale•Thick-billed murre, black-legged kittiwake, greater snow goose

Description of Existing Environment: Socio-economic Environment

See attached the marine route and proposed landing site coordinates for each voyage. Communities of Pond Inlet and Iqaluit will be visited.

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

Please see detailed Project Description for Impacts and Proposed Mitigation Measures. Please note, all passengers and crew must be fully vaccinated against Covid-19 and will be tested prior to boarding the vessel. Any individual who tests positive during the cruise will isolate in their cabin for 10 days as per Federal regulation.

Cumulative Effects

Please see project description.

Impacts

Identification of Environmental Impacts

		PHYSICAL	Designated environmental areas	Ground stability	Permafrost	Hydrology / Limnology	Water quality	Climate conditions	Eskers and other unique or fragile landscapes	Surface and bedrock geology	Sediment and soil quality	Tidal processes and bathymetry	Air quality	Noise levels	BIOLOGICAL	Vegetation	Wildlife, including habitat and migration patterns	Birds, including habitat and migration patterns	Aquatic species, incl. habitat and migration/spawning	Wildlife protected areas	SOCIO-ECONOMIC	Archaeological and cultural historic sites	Employment	Community wellness	Community infrastructure	Human health
Construction																										
-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
Operation																										
Tourism Activities		-	-	-	-	N	-	-	-	-	-	-	N		-	N	N	N	N		P	-	-	-	-	-
Decommissioning																										
-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Location



List of Project Geometries

- 1 point Pond Inlet - Community Visit 72°42'0.65N, 077°58'54.71W
- 2 point Bylot Island 73°43'38.85N 72°42'55.13N to 081° 7'50.44W 079°20'18.05W
- 3 point Beechey Island 74°42'47.12N 091°49'46.70W
- 4 point Dundas Harbour 74°31'54.32N / 082°24'56.05W
- 5 point Iqaluit 63.7467° N, 68.5170° W
- 6 point Lady Franklin Island 62.9200° N, 63.6941° W
- 7 point Akpatok Island 60.4162° N, 68.1412° W