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Project Overview

Type of application: **New**

Proponent name:	Kate Smith
Company:	F.K. Warren Ltd.

Schedule:

Start Date:	2023-09-01
End Date:	2023-09-14
Operation Type:	Seasonal

Project Description:

The vessel will be carrying crew members and expedition team to locations in Nunavut, including transit through and landing in Wildlife Protected areas. Vessel has a scheduled tourism-based cruises from August 28 to September 9, 2023. The vessel carries 85 passengers and 30 crew on board. The Captain has extensive experience in sailing in such areas. The cruise ship carries Zodiacs boats, which are used for transporting passengers to and from shore, touring, photography, and observation from the water. All staff are trained and there are certified firearms specialists with appropriate licences on board as well. The captain and expedition leaders have been selected based on their polar experience and understanding of wildlife and sensitive remote regions such as the Arctic. This is a tourist expedition where the goal is to experience the Arctic and visit various sites along the way with minimal disturbance to landings and wildlife. For the visits to these areas, all passengers will be accompanied by members and specialists. The activities undertaken during these visits may include walking/hiking, photography, kayaking, Zodiac cruising. The cruise is educational in nature and shore-staff will provide interpretation of the sites and ensure that all passengers adhere to a strict 'look but do not touch' and 'leave no trace' policies. Site visits are planned to be between a half day and a full day in length and may be shortened or cancelled due to bad weather or environmental conditions. Risk assessments will be completed before every activity. The ship operations and the landings and activities of passengers at the sites listed are expected to have no more than minor or transitory impact on the environment. During the cruise, tourist activities will be carried out to provide an educational basis for the passengers understanding of the Arctic. The ship will carry kayaks and small Zodiacs equipped with spark-ignited outboard engines for use during smallboat excursions. Kayak operations, Zodiac cruising hiking, walking and sightseeing are the activities for passengers off the vessel. The cruise line and vessel's crew are very experienced and will do the utmost to minimize any potential impact to the environment, and more specifically seabird chicks in these protected areas. The cruise line is accomplished in organizing cruise in the Antarctic, White Sea, Arctic and Greenland for more than 15 years and is very sensitive to the unique attention required to the environmental areas the vessel travels within.

Personnel:

Persons:	115
Days:	1610

Project Map

List of all project geometries:

ID	Geometry	Location Name
10189	polyline	Ocean Nova 1 - Clyde River to Iqaluit
10190	polyline	Ocean Nova 2 - Iqaluit to Saint Pierre et Miquelon

Planning Regions:

Qikiqtani
Kivalliq

Affected Areas and Land Types

Inuit Owned Surface Lands
Municipal
Established National or Territorial Park
Settlement Area
North Baffin Planning Region

Project Land Use and Authorizations

Project Land Use

Marine-Based Activities

Licensing Agencies

CWS: Migratory Bird Sanctuary permit under the Migratory Bird Sanctuary Regulations

CWS: National Wildlife Area permit under the Wildlife Area Regulations

QIA: Exemption Certificate

CH: Archaeology and Paleontology Research Permit, Class II

GN-EDT: 0

Other Licensing Requirements

No data found.

Material Use

Equipment

Type	Quantity	Size	Use
Cruise ship Ocean Nova	1	73m Length, 11m Width, 2180 GRT	Accommodation and transportation for passengers and crew
Kayaks	5-10	TBA	Sightseeing for passengers and crew
Zodiacs	8	tba	Mark V brand Zodiac inflatable boats ; Number of craft : 8 in total; Engines/fueltypes : 8 Yamaha-brand 50 HP 4 stroke outboard.

Fuel Use

Type	Container(s)	Capacity	UOM	Use
Gasoline	20	30	Liters	To fuel Zodiacs, will all be done on board the cruise ship to limit pollution.

Hazardous Material and Chemical Use

Type	Container(s)	Capacity	UOM	Use
No records found.				

Water Consumption

Daily Amount (m ³)	Retrieval Method	Retrieval Location
0		

Waste and Impacts

Environmental Impacts

Vessel will be transiting through wildlife habitats and passengers and crew will be landing ashore in areas where wildlife may be present. This activity could be indirectly disruptive to certain species. Oil spill, noise disturbance and emissions could potentially effect wildlife. Emissions to air and water are limited by the strictest marine regulations and the engines are therefore running on low sulphur Marine Gas Oil. The vessel has a treatment system for the ballast water to avoid the spread of biological organisms from one area to another, and she is designed to minimize the impact on marine life by causing low underwater noise levels. When in operation the vessel will ensure, in wildlife concentrated areas, ship's speed will be reduced. The vessel is sailing between 5-10 knots in the areas where wildlife is present and the full capacity of the ship is 10 knots. Therefore, speed is of utmost consideration when sailing in wildlife rich areas. Measures to Avoid Dangerous Wildlife Encounters: Direct contact and interaction with wildlife will be avoided. All activities the vessel, passengers and crew engage in will be environmentally conscious and intended for the purpose of sightseeing only. No manmade structures or materials will be left in wildlife area. Crew members who are trained and certified naturalists will provide safety guidance and information on the environment to the passengers and other crew. The information provided is specific to each location and is made in an effort to afford protection and conservation by minimizing any potential damage or disruption that could occur. The crew on board the cruise vessel are well versed in measures to avoid dangerous wildlife encounters. They keep watch for dangerous animals, and will not approach land if dangerous wildlife is spotted ashore. When ashore, food is not left unattended (if brought ashore at all). The crew have a system in place to safely and efficiently move passengers back to the vessel by zodiac should they spot dangerous wildlife.

Waste Management

Waste Type	Quantity Generated	Treatment Method	Disposal Method
Greywater	Varies	According to Marpol regulations	Retained on board
Sewage (human waste)	Varies	According to Marpol regulations	Retained on board
Combustible wastes	Varies	Acc. to Marpol regulations	Retained on board
Hazardous waste	Varies	Acc to Marpol regulations	Retained on board
Non- Combustible wastes	Varies	Acc to Marpol regulations	Retained on board