

CANADIAN WILDLIFE SERVICE PERMIT APPLICATION

NOTE TO RESEARCHERS

Without exception, all research within the NWT and Nunavut must be licensed. This includes work in indigenous knowledge as well as in physical, social, and biological sciences. For information on licensing for your project within the NWT, please refer to the Aurora Research Institute's Web site at <http://www.nwtresearch.com>. For Nunavut, visit the Nunavut Research Institute Web site at <http://www.nri.nu.ca>.

For Scientific Permits: Prior to issuing a Scientific Permit to Take, Salvage or Disturb Migratory Birds, CWS requires:

- Copy of either an NWT or Nunavut Wildlife Research Permit, or an Aurora Research Licence/Nunavut Research Licence. Include a copy of either the permit or the licence with this application or forward a copy to CWS upon receipt of it. Otherwise, your permit will not be issued.
- Appendix 1 of this permit application must be completed by two ornithologists who have reviewed the application and are willing to attest to the ability and professionalism of the applicant.

Nunavut: In Nunavut your project will have to undergo screening by the Nunavut Impact Review Board. One of their requirements is that you obtain a conformity report from the Nunavut Planning Commission. Please ensure that you have done so.

To be completed by all applicants:

- ☒ New application
☐ Amendment/extension of existing permit
Existing permit no.

Territory:

- ☒ NWT
☒ Nunavut

Anticipated project start date: 15/08/17

Anticipated project end date: 16/09/17

Please indicate by checkbox if your project is receiving federal government funding:

- ☒ No
☐ Polar Continental Shelf Project
☐ Yes/Other (please list)

Type of permit applied for:

- ☒ Bird Sanctuary permit
☐ National Wildlife Area entry permit
☐ Scientific permit to take, salvage, disturb or display migratory birds

Period of permit requested:

- ☒ 1 year
☐ 2 year
☐ 3 year

Please indicate by checkbox if your project requires approvals/permits by any of the following regulators:

- ☐ DFO ☐ NRCAN
☐ INAC ☒ Parks Canada

☐ NWT or Nunavut Water Board

☐ NEB

1. CONTACT INFORMATION

<u>Applicant name and mailing address</u> Crystal Cruises, LLC 11755 Wilshire Boulevard, Suite 900 Los Angeles, CA 90025		<u>Fax</u> 1-310-286-2412
		<u>Phone</u> 1-310-203-4339
<u>Field supervisor</u> To be determined	<u>E-mail address</u>	<u>Phone</u>

Total number of personnel covered by application:

2. SUMMARY PROJECT INFORMATION

Project title:

Crystal Cruises Northwest Passage 2017

Project objective: (concise statement of purpose and goals)

Ocean cruising with zodiacs and a possible shore landing on the spit on Prince Leopold Island to launch kayaks (weather dependent). Guests taking part in the proposed helicopter landing on Prince Leopold Island would make a short hike from the research camp to the viewing spot. No guests will be going on land at the Bylot Island Sanctuary.

Project description: (non-technical summary; 300 words or less; describe purpose, nature and occasion of all activities; include the anticipated intensity of vehicle use)

Crystal Cruises LLC (hereafter CCLLC) has been in the cruise line industry for over twenty five years. Presently, the company operates two mid-sized passenger ships (CRYSTAL SERENITY and CRYSTAL SYMPHONY) and a 62-passenger superyacht (CRYSTAL ESPRIT) providing luxury cruises throughout the world. In a relatively short period of time, the company has assumed the leadership position in the luxury cruising market. From its beginnings as primarily a West Coast USA-based cruise line, CCLLC experienced substantial growth in awareness and business, both nationally and internationally, and is recognized worldwide for its superior level of service, unique onboard programming, and innovative itineraries. Since the company's founding, CCLLC has added many new destinations and ports to its itineraries. From 1990-2015 the company visited approximately 345 different ports in just about every cruise area. In 2003, when CRYSTAL SERENITY joined the fleet, CCLLC's 89 itineraries included 178 destinations in 56 countries. As the company has grown, it has continued to expand and cruise in all world maritime regions with itineraries including world cruising, Alaska, New England/Canada, South America, Trans-canal, the Caribbean, Europe (all eight different cruising areas), the Black Sea, Africa, the Orient, Southeast Asia, Australia, New Zealand, and Antarctica— and in 2016— the Northwest Passage.

Details on the company can be found at:

www.crystalcruises.com

The company plans to make a port call at Ulukhaktok in the Northwest Territories as well as several stops in Nunavut before proceeding on to Greenland and then to the U.S. The vessel will be joined in Ulukhaktok by an ice-breaking escort vessel, the RRS SIR ERNEST SHACKLETON.

NOTE: A full project description should accompany this application.

Activities related to project proposal: (check as many as apply)

<input type="checkbox"/> Scientific research	<input type="checkbox"/> Ground surveys	<input type="checkbox"/> Storage of fuel
<input type="checkbox"/> Tourism, non-commercial	<input type="checkbox"/> Aerial surveys	<input type="checkbox"/> Camp construction
<input checked="" type="checkbox"/> Tourism, commercial	<input type="checkbox"/> Winter road	<input type="checkbox"/> Use of firearms
<input checked="" type="checkbox"/> Use of boats	<input type="checkbox"/> Commercial harvest	<input type="checkbox"/> Use of explosives
<input checked="" type="checkbox"/> Use of aircraft	<input checked="" type="checkbox"/> Cruise ship	<input type="checkbox"/> Seismic exploration
<input type="checkbox"/> Use of off-road vehicles	<input type="checkbox"/> Drilling activities	<input type="checkbox"/> Mining activities
<input type="checkbox"/> Other (please specify):		

Are you applying to kill, salvage or otherwise interfere with migratory birds (e.g. take blood, transmitter implant, etc.)?

☐ Yes ☒ No

If yes, provide details, including specie(s) of bird, number and method. Indicate whether the approval of an animal care committee has been received and include the name of the committee.

Do you plan to carry firearms?

☒ Yes ☐ No

If yes, please describe number, type and purpose of firearms.

Polar Bear monitors will be armed with either a shotgun or high-powered rifle. Arctic Kingdom will be hiring both Inuit and non-Inuit staff to act as guides, polar bear monitors and interpreters. Our lead guide in charge of wildlife encounters and safety of passengers on the land will be Inuit.

3. PROJECT LOCATION

Geographic place names and coordinates: (be as specific as possible; enter multiple coordinates for activities occurring over large area(s))

Location	Geographic Coordinates
Prince Leopold	74 01 56.79N, 90 02 11.02W
Bylot Island	72 53 28.68N, 77 50 58.42W

NOTE: A map document delineating activity centres and travel corridors, etc. is required and should accompany this application. Please submit shapefiles if available.

Status of land upon which project will occur:

- ☒ Federal crown
☐ Inuit-owned or other private
☐ Territorial (commissioner's land)

4. OPERATIONAL AND ENVIRONMENTAL CONSIDERATIONS

Provide a summary of potential environmental impacts and proposed restoration plans and activities: (describe the effects of the proposed activities on land, water, flora, fauna; attach separate pages as necessary)

Please see attached potential environmental impacts and mitigation measures document.

List of equipment and fuel to be used: (include aircraft, vehicles, boats, generators, large tent structures, various types of fuel, etc; indicate proposed containment strategies for all fuels; attach separate pages as necessary)

Equipment / Fuel	Size / Amount	Proposed use / Containment
Passenger Cruise Ship/Low Sulfur Marine Gas Oil	250m/2500 metric tons fuel capacity	To transport and accommodate cruise ship passengers and crew
Ice Breaker/Low Sulfur Marine Gas Oil	80m/1038 metric tons fuel capacity	Icebreaking escort vessel
15 zodiaks/Unleaded gasoline	5.84m/25 litre fuel capacity	To transport passengers to and from shore or for wildlife/scenery observation and touring. Gasoline will be stored in 25 litre tanks
16 kayaks	4.87m	For touring, photography and observation
RIB/unleaded gasoline	11.99m/600 litre capacity	For touring, photography and observation

NOTE: Please submit a copy of a spill contingency plan, if available, with this application.

Waste disposal: (describe any wastes that may be produced, e.g. garbage, grey water, sewage, hazardous waste, and proposed disposal methods; attach separate pages as necessary)

Type of waste	Approx. amount produced	Proposed disposal method
N/A	N/A	No waste will be disposed of in protected areas. See attached waste disposal information

5. POTENTIAL ADVERSE EFFECTS TO SPECIES AT RISK

PLEASE NOTE:

- You should consider species at risk legally listed on the Species at Risk Act (i.e. on Schedule 1) and those under consideration for legal listing, such as those designated by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC).
- Refer to Species status reports and other information on the Species at Risk Registry at www.sararegistry.gc.ca for information on specific species.

Identify Species at Risk found within your proposed project area.

Species at risk include:

- Red Knot (Bylot Island)
- Peregrine Falcon (Bylot Island)
- Horned Lark (Bylot Island)
- Caribou (Bylot Island)
- Peary Caribou (Prince Leopold)
- Bowhead Whale (Bylot Island)
- Polar Bear (Prince Leopold)

List any potential adverse effects that your project may have on the species, its habitat and/or its residence. All direct, indirect and cumulative effects should be considered.

Please see attached Potential Environmental Impacts and Mitigation Measures document.

If potential adverse effects are identified, list mitigation to avoid or lessen those effects.

Minimization and mitigation measures include education, which is viewed as being the key factor toward ensuring that crew, staff and guests are educated and briefed appropriately. The Expedition Leader is responsible for ensuring that the appropriate briefings are provided to passengers and staff and that the relevant training is provided to the vessels crew. Briefings will include examples of non-interfering behavior, specific points regarding movement and behavior ashore at the various landing sites. As the Zodiacs arrive to the landing sites the Expedition Leader and/or expedition staff will brief the guests, emphasizing specific points of importance. In all briefings, conservation issues will be stressed. Printed materials and lectures before the first disembarkation serve to address the potential areas of adverse impact by assessing activities that may result in impacts before the first disembarkation.

Please see attached Potential Environmental Impacts and Mitigation Measures document.

List monitoring measures to determine the effectiveness of mitigation and/or identify where further mitigation is required.

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6. CONSULTATION

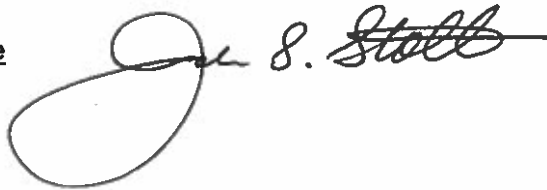
List local community representatives who have been contacted about your proposed activities: (include community groups, local businesses, schools, etc.; state how they are participating in your activity, if at all (e.g. providing advice, supplying goods, hired to assist you, etc.))

1. Representative name: Mike Stevens
Name of group represented: Senior Administrative Officer – Hamlet of Resolute
Address / phone / fax: Phone 867-252-3616
How contacted and date: Contacted by Phone 24/03/2017. Will follow up by email
Participating? ☐ Yes ☐ No
If yes, how?

2. Representative name: Enooki Killiktee
Name of group represented: Economic Development Officer – Hamlet of Pond Inlet
Address / phone / fax: Ph - Ph 867-899-8934
How contacted and date: Contacted by Phone 24/03/2017. Will follow up by email.
Participating? ☐ Yes ☐ No
If yes, how?

Applicant John Stoll – Crystal Cruises

Signature



Date February 3/17

Appendix 1 SUPPORT FOR SCIENTIFIC PERMIT

PLEASE NOTE:

- Before a science permit can be issued under Section 19 of the Migratory Bird Regulations, applicants must submit a statement of support from two qualified ornithologists who are familiar with the applicant and the planned project activities.

<u>Referee name and mailing address</u>		<u>Fax</u>
		<u>Phone</u>
<u>Ornithological Qualification(s)</u>	<u>E-mail address</u>	
<u>Have you reviewed the project application?</u> <input type="checkbox"/> Yes <input type="checkbox"/> No		
<u>Briefly outline your knowledge of the applicant's abilities and professionalism. How long have you known the applicant? Have you worked with the applicant? Have you personally observed the applicant's field ornithology skill and wildlife handling ethic?</u> 		
<u>Do you have any additional comments or concerns regarding the applicant or project activities described in this application?</u> 		
<u>Do you recommend a permit be issued for this project application?</u> <input type="checkbox"/> Yes <input type="checkbox"/> No		
<u>Signature of Referee</u>		<u>Date</u>

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- Before a science permit can be issued under Section 19 of the Migratory Bird Regulations, applicants must submit a statement of support from two qualified ornithologists who are familiar with the applicant and the planned project activities.

<u>Referee name and mailing address</u>		<u>Fax</u>
		<u>Phone</u>
<u>Ornithological Qualification(s)</u>	<u>E-mail address</u>	
<u>Have you reviewed the project application?</u> <input type="checkbox"/> <u>Yes</u> <input type="checkbox"/> <u>No</u>		
<u>Briefly outline your knowledge of the applicant's abilities and professionalism. How long have you known the applicant? Have you worked with the applicant? Have you personally observed the applicant's field ornithology skill and wildlife handling ethic?</u>		
<u>Do you have any additional comments or concerns regarding the applicant or project activities described in this application?</u>		
<u>Do you recommend a permit be issued for this project application?</u> <input type="checkbox"/> <u>Yes</u> <input type="checkbox"/> <u>No</u>		
<u>Signature of Referee</u>	<u>Date</u>	