



**Silversea Cruises Ltd., MS Silver Explorer, North Atlantic Adventure, 31 August - 15 September 2017, Voyage 7719**

<b>Application Type:</b>	New
<b>Project Type:</b>	Tourism
<b>Application Date:</b>	3/20/2017 6:38:15 PM
<b>Period of Operation:</b>	From 2017-09-06 to 2017-09-08
<b>Proposed Authorization:</b>	From 2017-09-06 to 2017-09-08
<b>Project proponent:</b>	Conrad Combrink Silversea Cruises Ltd Wells Fargo Center, 333 Southeast 2nd Avenue, Suite 2600 Miami Florida 33131 USA Tel: 001 954 225 2567, fax: 001 954 522 4499

### Non-technical project proposal description

English: See attached Non-technical Project Proposal in English.  
 French: See attached Non-technical Project Proposal in French.  
 Inuktitut: See attached Non-technical Project Proposal in Inuktitut.

Personnel on site: 261  
Days on site: 3  
Total Person days: 783  
Period of operation: from 2017-09-06 to 2017-09-08  
Proposed term of operation: from 2017-09-06 to 2017-09-08

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## ACTIVITIES

## Project Activities

Location	Activity Type	Land Status	Site History	Site Archaeological or Palentological Value	Proximity to the nearest communities and any protected areas
Iqaluit	Marine Based Activities	Crown	Municipality/Capital - organized activities via agent (Inupak Outfitting)	N/A	The site is the capital of Nunavut.
Lower Savage Islands	Marine Based Activities	Crown	Site ownership and history is unknown. We believe this to be Crown Land. The activity here is a Zodiac tour. No shore landing is proposed.	N/A (no shore landing is proposed).	Iqaluit. No nearby protected areas are known however we would welcome knowing if there are any to be aware of.
Akpatok Island	Marine Based Activities	Crown	Site ownership and history is unknown. We believe this to be Crown Land. The activity here is a Zodiac tour. No shore landing is proposed.	N/A (no shore landing is proposed).	Iqaluit. No nearby protected areas are known however we would welcome knowing if there are any to be aware of.
Iqaluit	Tourism Activities	Crown	Municipality/Capital - organized activities via agent (Inupak Outfitting)	N/A	The site is the capital of Nunavut

## Community Involvement and Regional Benefits

Community	Name	Organization	Date Contacted
Iqaluit	Louis-Phillip Pothier	Inupak Outfitting (responsible for coordinating our visit while in Iqaluit)	2016-09-13

## AUTHORIZATIONS

## Project Locations

## South Baffin

## Project Authorization

Authorizing Agency	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Transport Canada	Vessel-related authorizations/certifications	Active		
Other	Public Health Agency of Canada (decision pending on health inspection)	Applied, Decision Pending		
Other	Citizenship and Immigration and Canadian Border Services Agency (to deal with customs and immigrations regulations)	Active		
Other	Temporary Foreign Worker's Units/Employment and Social Development Canada (ESDC)/Service Canada - Worker's Permits	Applied, Decision Pending		
Other	Nunavut Planning Commission (Conformity Determination)	Applied, Decision Pending		
Environment Canada	Wildlife Observation License (will be applying shortly)	Not Yet Applied		
Qikiqtani Inuit Association	Notification of plans (will be notifying the QIA shortly)	Not Yet Applied		
Other	Canadian Coast Guard (provide itinerary)	Active		
Other	Transport Canada Security (discuss security matters)	Active		
Government of Nunavut, Department of Economic Development & Transportation	Renewal of Outfitter License, submission of Consent to Public Disclosure of Tourism Information and submission of Pre-Trip Economic Benefit Report	Active		
Other	Government of Nunavut, Department of Justice - Nunavut Legal Registries - Certificate of Compliance as an Extra-Territorial Corporation (Renewal)	Active		
Other	Government of Nunavut, Workers Safety and Compensation Commission - Workers Exemption (Renewal)	Active		

### Project transportation types

Transportation Type	Quantity	Proposed Use	Length of Use
MS SILVER EXPLORER	1	Vessel providing transportation and accommodations	3 days (06-08 September 2017

## MATERIAL USE

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
MS SILVER EXPLORER	1	Length overall 108.0m, Breadth 15.6m, Draft max 4.51m, 6130.0 Gross tonnage	Vessel providing transport and accommodations
Mark V brand Zodiac inflatable boats with 60HP Suzuki brand outboard engines	8	Length overall 5.85m, Width 2.48m, carrying capacity of 12 persons	To facilitate shore landings and for short sightseeing excursions
Mark VI brand Zodiac inflatable boats with 70HP Suzuki brand outboard engines	2	Length overall 7.0m, Width 2.88m, carrying capacity of 16 persons	To facilitate shore landings and for shore sightseeing excursions

## Detail Fuel and Hazardous Material Use

Fuel / Material	Type	Number of Containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	1	661252	661252	Liters	Vessel fuel (570 MT MGO)
Gasoline	fuel	2	900	1800	Liters	Unleaded gasoline for Zodiacs
N/A	hazardous	0	0	0	Liters	N/A

## Project Water Consumption

Daily Amount (m3)	Proposed Water Retrieval Methods	Proposed Water Retrieval Location
70	Reverse Osmosis (RO) Plants	Tanks (retrieving from ocean)

## WASTE

### Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional Treatment Procedures
Marine Based Activities	Combustible wastes	0.5m3/day	Disposal to shore to a certified reception port	N/A
Marine Based Activities	Greywater	65m3/day	Discharge sea/shore according to Canadian legislation	Yes, chemicals according to Canadian legislation
Marine Based Activities	Hazardous	0.1m3/week	Disposal to shore to a certified reception port	N/A
Marine Based Activities	Non-Combustible wastes	2m3/day	Disposal to shore to a certified reception port	N/A
Tourism Activities	Other,	TBD	Collected from shore. Separated and disposal as per the above (depending upon type).	Depends upon the type. (See above.)
Marine Based Activities	Sewage (human waste)	3m3/day	Discharge sea/shore according to Canadian legislation	Yes, chemicals according to Canadian legislation

## Environmental Impacts

The predicted environmental impacts resulting from the proposed activity is perceived to be less than minor or transitory. Refer to attached document: "Silversea Cruises Ltd. Environmental Impact Assessment for Ship-based Tourism, Multi-year Assessment, MS Silver Explorer, 01 March 2014 through 01 March 2014, Revised 25 January 2017" for an assessment and further information in this regard.

## **DETAILS PART 2**

### **Project General Information**

General information can be found in the Non-technical Project Summary and the Environmental Impact Assessment which have been included as background documents. Additional information can be found in the company's Canadian Arctic Polar Bear and Bear Safety Plan.

### **DFO Operational Statement of Conformity**

This is not applicable to the project proposal.

### **Transportation**

This is not applicable to the project proposal. The project is transitory in nature, with transportation provided by the MS SILVER EXPLORER and auxiliary fleet of Zodiacs.

### **Camp Site**

N/A

### **Equipment**

Equipment associated with the project proposal has been entered on the Material Use section. Waste associated with the equipment has been identified.

### **Water**

Water usage has been entered on the Material Use tab. Additional information can be found in the attached Environmental Impact Assessment.

### **Waste Water (Grey water, Sewage, Other)**

Details on Waste Water can be found in the Waste tab. Additional information can be found in the attached Environmental Impact Assessment.

### **Fuel**

Details on Fuel can be found in the Material Use Tab. Additional information can be found in the attached Environmental Impact Assessment.

### **Chemical and Hazardous Material**

Details on Chemicals and Hazardous Materials can be found on the Material Use tab. Additional information can be found in the attached Environmental Impact Assessment.

### **Workforce and Human Resources / Socio-Economic Impacts**

120 crewmembers plus approximately 13 expedition staff are employed to work aboard MS SILVER EXPLORER. An Economic Benefits Pre Report has been filed with Government of Nunavut, Cruise Nunavut, Department of Economic Development and Transport. A Post Report will also be filed.

### **Public Involvement / Traditional Knowledge**

Public involvement is a key component to reviewing activities that are being planned within Nunavut and we welcome this aspect of the NIRB review process. From what we have learned we understand that Implementation of Traditional Knowledge and Inuit Qaujimaningit is meant to "encompass local and community based knowledge, ecological knowledge (both traditional and contemporary), which is rooted in the daily life of Inuit people, and has an important contribution to make to an environmental assessment." Further, we note that NIRB "requires project proponents to not only incorporate traditional knowledge into the baseline collection and methodologies of resource management, but further outline where management strategies, mitigation and monitoring plans, and/or operational considerations employ values of Inuit Qaujimaningit." We are guided in our day to day operations by a mission that our planned activities have less than a minor or transitory impact and have prepared a comprehensive Environmental Impact Assessment not only for this cruise but for our worldwide operations. This EIA has been posted as a background document. We have conducted a number of cruises now to Nunavut, including a full transit of the Northwest Passage, and welcome the insight and knowledge from the government agencies, community leaders/elders, review boards, and public in assisting us in coordinating our programs and ensuring our operations are carried out in a manner that is satisfactory to all.

## **SECTION H: Marine Based Activities: Disposal at Sea**

Vessel use has been identified in the Details, Material Use and Waste tabs and in the attached Environmental Impact Assessment.

### **Description of Existing Environment: Physical Environment**

The only shore-based activity that this project will impact is in Iqaluit, the capital of Nunavut where the physical environment is known and well documented. All activities will occur in the town center with activities organized by a licensed tour operator (Inupak Outfitting).

### **Description of Existing Environment: Biological Environment**

Activities in wilderness areas include at the Lower Savage Islands and Akpatok Island where Zodiac cruises are planned. (No shore landings are planned.) SARA species that could be impacted from these activities include polar bears. The company will be following the Government of Nunavut's guidelines for watching polar bears in the water and maintaining a strict distance from bears if encountered in the Zodiacs. Details are in the attached Environmental Impact Assessment and the Company's Polar Bear and Bear Safety Plan.

### **Description of Existing Environment: Socioeconomic Environment**

The only shore-based activity during the voyage is a community visit to Iqaluit where pre-organized activities have been arranged by licensed tour operator Inupak Outfitting. This is perceived as a positive socioeconomic impact.

### **Identification of Impacts and Proposed Mitigation Measures**

Likely impacts resulting from the proposed activity have been assessed. Cumulative impacts of the proposed activity have also been considered. Measures to minimize and mitigate potential impacts of the proposed activity have also been considered. The possibility of potential impacts will be minimized by strict adherence to applicable Acts

(laws) and regulations, company policies and standard operating procedures; careful pre-trip planning and preparation including obtaining advance permits/authorizations ; briefings; advice received from the communities/review boards; and the supervision and monitoring of visitor activities in the field by experienced personnel. Direct, indirect and cumulative impacts of the proposed activity have been considered, as have alternatives. Provided that minimization and mitigation measures are adhered to, it is concluded that the proposed activity will have less than a minor or transitory impact and that the activity should be authorized/permited to proceed. Further information can be found in the attached Environmental Impact Assessment.

### **Cumulative Effects**

Cumulative Effects of the proposed activity have been considered. Measures to minimize and mitigate potential impacts of the proposed activity have also been considered. It is unknown what cumulative effect this activity will have with that of other tourism operators conducting similar activities in the same region. Further information can be found in the attached Environmental Impact Assessment.

## IMPACTS

### TABLE 1 - IDENTIFICATION OF ENVIRONMENTAL IMPACTS

[illegible]

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

