

KSHCP Participant Annual Report - Base Form				Base Form #:	Cover																
Reporting Year:	2022	Participant Name:	NCL (Bahamas) Ltd. [NCL]	1 OF 3	Multiple Base Forms are included for this item.																
Item #	Relevant Requirement	Information Required to be Reported																			
1	KSHCP Section 6.6.1.2a, ITP Section M.i. (N.i), ITL Section II.I.1	Facility Name, Pride of America Facility Type U.S. Flagged Cruise Vessel - International Maritime and Location: Organization Number 9209221 Hawaiian Waters. Home ported in Honolulu, Oahu, Hawaii. TE74390D-0	Facility Owner: NCL (Bahamas) Ltd. [NCL] 7665 Corporate Center Drive Miami, Florida 33126 ITL-27	Facility Contact Information: Norwegian Cruise Line 1-877-501-5976 EnvironmentalHotline @ncl.com (name, phone, email)																	
2	ITP Section M (N)/ITL Section II.J	ITP Number:	ITL Number:		N/A																
3	KSHCP Section 6.6.2.2(1)	List permitted incidental take by species for this facility. For birds, list as follows: Fledglings (lethal/non-lethal) <table border="1"> <tr> <td>30/30</td> <td>Newell's Shearwater</td> <td>6/6</td> <td>Band-rumped Storm-Petrel</td> </tr> <tr> <td>6/6</td> <td>Hawaiian Petrel</td> <td>N/A</td> <td>Green Sea Turtle</td> </tr> </table>			30/30	Newell's Shearwater	6/6	Band-rumped Storm-Petrel	6/6	Hawaiian Petrel	N/A	Green Sea Turtle	X								
30/30	Newell's Shearwater	6/6	Band-rumped Storm-Petrel																		
6/6	Hawaiian Petrel	N/A	Green Sea Turtle																		
4	ITP Section J/ITL Section II.D	Calculation of annual lethal and non-lethal take using the methodology described in the HCP and with the discovery rate within the approved Participant Inclusion Plan Nonlethal Take: <table border="1"> <tr> <td>0.88</td> <td>Newell's Shearwater</td> <td>0</td> <td>Band-rumped Storm-Petrel</td> </tr> <tr> <td>0</td> <td>Hawaiian Petrel</td> <td>N/A</td> <td>Green Sea Turtle</td> </tr> </table> Lethal Take: <table border="1"> <tr> <td>0.12</td> <td>Newell's Shearwater</td> <td>0</td> <td>Band-rumped Storm-Petrel</td> </tr> <tr> <td>0</td> <td>Hawaiian Petrel</td> <td>N/A</td> <td>Green Sea Turtle</td> </tr> </table>			0.88	Newell's Shearwater	0	Band-rumped Storm-Petrel	0	Hawaiian Petrel	N/A	Green Sea Turtle	0.12	Newell's Shearwater	0	Band-rumped Storm-Petrel	0	Hawaiian Petrel	N/A	Green Sea Turtle	
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0	Hawaiian Petrel	N/A	Green Sea Turtle																		
5	KSHCP Section 6.6.1.2b, ITP Section M.ii. (N.ii), ITL Section II.I.2.	Summarize any proposed changes to the facility with the potential to affect the Covered Species. <div>There were no changes to the facility with the potential to affect the Covered Species. The Pride of America resumed its typical cruise track (NCL Participant Inclusion Plan (PIP), Figure 1 and 2) during the 2022 Seabird fledging season.</div> <div>Check here if additional space is needed and continue on Addendum Sheet.</div>																			
6	KSHCP Section 6.6.1.2c, ITP Section M.iii (N.iii), ITL Section II.I.3.	Identify any changes to facility management/ownership or other key personnel involved in the KSHCP. KSHCP compliance is overseen by the vessel's Environmental Officer. In 2022, the Environmental Officer was Robert Torres.																			
7	KSHCP Section 6.6.1.2d, ITP Section M.iv (N.iv), ITL Section II.I.4.	Describe any requested changes to minimization efforts conducted at the facility and the reasons for the requested change. NCL does not request changes to future minimization efforts on the Pride of America, but notes that during the 2022 seabird fledging season, the Pride of America made the following deviations from the avoidance and minimization measures detailed in its PIP: (1) NCL's PIP provides that NCL's lighting audit will be done by the "NCL biologist, accompanied by the Director of Environmental Compliance from the Florida home office, along with the on-board environmental officer" (pg. 12). The NCL biologist, accompanied by the on-board environmental officer, conducted the formal lighting audit of the Pride of America on September 8, 2022 in Lihue. The Director of Environmental Compliance was able unable to attend in person, but received a phone and email brief from the NCL Biologist immediately proceeding the audit. The only corrective action identified by the NCL Biologist was to install amber sleeves on the fluorescent bulbs on Deck #13. Amber and blue sleeves were ordered, but did not arrive in time for the season, in response NCL shut off any lights identified by the NCL biologist for the duration of the season. Currently installation date for installation of the new sleeves is scheduled for Jan 21, 2023. No other changes to the lighting were necessary.																			

		(2) NCL's PIP states: "The NCL biologist routinely conducts site visits of the ship when it is moored in Kauai during the seabird season to ensure that all of the in-season lighting minimization measures are being complied with" (pg. 12). The NCL biologist visited the ship with a second biologist on September 15, for the rest of the season the NCL biologist observed the lighting on the ship from the shore in Kona each week.	
		(3) Item 11 states that "a seabird awareness training program is conducted for all crewmembers from the Captain down to the cabin stewards once a year just prior to the start of the seabird seasons." NCL updated its Crew Seabird Awareness Training PowerPoint (Attachment E), which supersedes the training PowerPoint attached to the 2021 Annual Report. NCL used this new training PowerPoint on all three NCL vessels.	
	<input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.		
8	KSHCP Section 6.6.1.2.e.i, ITP Section M.v.1 (N.v.1), ITL Section II.I.5.a	Provide map or description of search route(s) used for conducting searches. <input type="checkbox"/> Check here if map(s) attached or linked. <input checked="" type="checkbox"/> Check here if map(s) not attached and explain at right.	Link: <input type="text"/> Explanation: Seabird monitoring covers 100 percent of the ship that is accessible to crew members and passengers.
9	KSHCP Section 6.6.1.2.e.ii, ITP Section M.v.2 (N.v.2), ITL Section II.I.5.b.	Describe the frequency and timing of searches conducted at this facility: Seabird monitoring is continuous, 24/7 every day of the year.	
10	KSHCP Section 6.6.1.2.e.iii, ITP Section M.v.3 (N.v.3), ITL Section II.I.5.c.	Describe the personnel involved in search efforts at this facility: <input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.	The onboard Environmental Officer is responsible for overseeing the seabird protocols, bird searches and recovery, record keeping, and reporting. All crewmembers are responsible for searching their respective duty stations for downed seabirds on a daily basis. There were approximately 625 daily crew members aboard the Pride of America during the 2022 fledging season. NCL maintained a search coverage of 100 percent, 24/7 throughout the fledging season.
11	KSHCP Section 6.6.1.2.e.iv, ITP Section M.v.4 (N.v.4), ITL Section II.I.5.d.	On the worksheet provided, complete the Summary Table of search efforts for all downed birds and honu nests found.	N/A
12	KSHCP Section 6.6.1.1	Provide a copy each Downed Wildlife Incident Documentation and Reporting Form submitted for this facility. <input type="text" value="N/A"/> Check here if any reports are attached or linked.	Link: <input type="text"/> No adjustments are required or proposed for NCL's self-monitoring protocols. NCL maintained a search coverage of 100 percent, 24/7 throughout the fledging season. Therefore, a 100% searcher efficiency rate continues to be appropriate. There were no changed or unforeseen circumstances that triggered adaptive management changes to minimization measures per the KSHCP Sections 6.9, 6.11, and 6.12.
13	KSHCP Section 6.6.1.2.e.v, ITP Section M.v.5 (N.v.5), ITL Section II.I.5.e.	Provide a discussion of the efficacy of the current self-monitoring protocols and adaptive management and whether adjustments need to be made. Describe any proposed adjustments <input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.	
14	KSHCP Section 6.6.1.2.f, ITP Section M.vi (N.vi), ITL Section II.I.6.	Provide a summary discussion of the results and efficacy of on-site animal control efforts and adaptive management. <input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.	Not applicable on a seagoing vessel.
15	KSHCP Section 6.6.1.2.g, ITP Section M.vii (N.vii), ITL Section II.I.7.	On the worksheets provided, provide a summary of worker training efforts and outreach efforts.	
16	KSHCP Section 6.6.1.2.h, ITP Section M.viii (N.viii), ITL Section II.I.8.	Describe any other relevant information that the wildlife agencies may require to verify compliance with the permit issued. <input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.	None
17	ITP Section M.v.6 (N.v.6), ITP Section II.I.5.f.	Provide nighttime photos of covered properties or operations during non-seabird season and during seabird season.	


18	KSHCP 6.6.1.2	<input checked="" type="checkbox"/> X <input type="checkbox"/> N/A	Check here if photos are attached or linked. Check here if photos are attached or linked.	Link: Link:	See Attachment A: Pride of America Photo Log - 2022 Provide photographs illustrating any proposed changes to lighting, facility predator control programs, outreach and training or downed bird recovery protocols.	<input type="checkbox"/>
19	ITP Section M (N)/ITL Section II.I	<input type="checkbox"/>	Check here if additional space is needed and continue on addendum sheet.	If applicable, describe any circumstances that triggered adaptive management and how the adaptive management was implemented.	There were no changed or unforeseen circumstances that triggered adaptive management changes to minimization measures per the KSHCP Section 6.9.	<input type="checkbox"/>
20	ITP Section M (N)/ITL Section II.I	<input type="checkbox"/>	Check here if additional space is needed and continue on addendum sheet.	If applicable, describe all occurrences of changed circumstances and how they were addressed.	There were no changed circumstances as defined KSHCP Section 6.11.	<input type="checkbox"/>
21	ITP Section M (N)/ITL Section II.I	<input type="checkbox"/>	Check here if additional space is needed and continue on addendum sheet.	If applicable, describe any unforeseen circumstances.	There were no unforeseen circumstances as defined KSHCP Sections 6.12.	<input type="checkbox"/>
22	ITP Section M (N)/ITL Section II.I	<input type="checkbox"/>	Check here if additional space is needed and continue on addendum sheet.	If applicable, describe progress made in achieving biological goals and objectives.	NCL has achieved the following biological objectives as described in KSHCP Section 5.2: 1.A Avoid and minimize the impacts of the taking of Covered Seabirds due to light attraction by removing or turning off lighting, and altering light structure and function by the end of Year 1, as specified in NCL's PIP; 1.C Minimize mortality of Covered Seabirds downed due to light attraction by conducting annual Worker Seabird Awareness and Response Training, as specified in NCL's PIP; 1.D. Minimize mortality of Covered Seabirds downed due to light attraction by implementing seabird awareness outreach to the public, guests, and customers, as specified in NCL's PIP; and 1.F.Minimize mortality by implementing recovery and release of Covered Seabirds downed due to light attraction through the Save Our Shearwaters (SOS) program or other certified rehabilitation facility. Biological Objective 1B relates to predator control and Biological Objective 1E relates to avoiding and minimizing honu hatching disorientation, both of which are not applicable on a seagoing vessel.	X
23	ITP Section M (N)/ITL Section II.I	<input type="checkbox"/>	Check here if additional space is needed and continue on addendum sheet.	If applicable, identify any problems that occurred and how they were handled.	None.	<input type="checkbox"/>
24	ITP Section M (N)/ITL Section II.I	<input type="checkbox"/>	Check here if additional space is needed and continue on addendum sheet.	If applicable, provide a description of cost expenditures and other information related to funding assurances (e.g., summary of KSHCP financial status, including any KSHCP mitigation fees owed).	NCL deposited its required Year 3 financial commitments per KSHCP Section 6.1.2 and Section 7.	N/A

25 KSHCP Section 6.6.1.4

Certification

I certify that to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of this report, the information is true, accurate, and complete.

N/A

X

Sarah Ferguson-Brown
Sr. Director, Environmental Operations

X

Insert electronic signature in space above.

KSHCP Participant Annual Report - Base Form				Base Form #:	Cover	
Reporting Year:	2022	Participant Name:	NCL (Bahamas) Ltd. [NCL]	2 OF 3	Multiple Base Forms are included for this item.	
Item #	Relevant Requirement	Information Required to be Reported				
1	<p>KSHCP Section 6.6.1.2a, ITP Section M.i. (N.i), ITL Section II.I.1</p> <p>Facility Name, Norwegian Spirit Facility Type Bahamas Flagged Cruise Vessel - International Facility Owner: Maritime Organization Number 9141065 and Location: Hawaiian Waters. Home ported in Papeete TE74390D-0</p>	<p>NCL (Bahamas) Ltd. [NCL] 7665 Corporate Center Drive Miami, Florida 33126 ITL-27</p>	<p>Facility Contact Information: (name, phone, email) Norwegian Cruise Line 1-877-501-5976 EnvironmentalHotline@ncl.com</p>			
2	ITP Section M (N)/ITL Section II.J	ITP Number:	ITL Number:		N/A	
3	KSHCP Section 6.6.2.2(1)	List permitted incidental take by species for this facility. For birds, list as follows: Fledglings (lethal/non-lethal)				
		30/30 Newell's Shearwater	6/6 Band-rumped Storm-Petrel		X	
		6/6 Hawaiian Petrel	N/A Green Sea Turtle			
4	ITP Section J/ITL Section II.D	Calculation of annual lethal and non-lethal take using the methodology described in the HCP and with the discovery rate within the approved Participant Inclusion Plan				
		Nonlethal Take:				
		0 Newell's Shearwater	0.88 Band-rumped Storm-Petrel			
		0 Hawaiian Petrel	N/A Green Sea Turtle			
		Lethal Take:				
		0 Newell's Shearwater	0.12 Band-rumped Storm-Petrel			
		0 Hawaiian Petrel	N/A Green Sea Turtle			
5	<p>KSHCP Section 6.6.1.2b, ITP Section M.ii. (N.ii), ITL Section II.I.2.</p> <p>Summarize any proposed changes to the facility with the potential to affect the Covered Species.</p>	<p>In 2022, the Norwegian Spirit altered its typical cruise track to include Hawaii. The Norwegian Spirit was in Hawaii waters from October 15 – 23, 2022 and November 22 – 30, 2022 and was in port in Nawiliwili harbor on Kauai from October 17 – 18, 2022; October 21 – 22, 2022; and November 27 – 28, 2022.</p>				
		Check here if additional space is needed and continue on Addendum Sheet.				
6	<p>KSHCP Section 6.6.1.2c, ITP Section M.iii (N.iii), ITL Section II.I.3.</p> <p>Identify any changes to facility management/ownership or other key personnel involved in the KSHCP.</p>	<p>KSHCP compliance is overseen by the vessel's Environmental Officer. In 2022, the Environmental Officer was Iacob Marian.</p>				
7	<p>KSHCP Section 6.6.1.2d, ITP Section M.iv (N.iv), ITL Section II.I.4.</p> <p>Describe any requested changes to minimization efforts conducted at the facility and the reasons for the requested change.</p>	<p>NCL does not request changes to future minimization efforts on the Norwegian Spirit, but notes the following compliance activities undertaken in 2022 when the Norwegian Spirit altered its typical cruise track to include Hawaii. NCL's vessel Pride of America was the focus of NCL's PIP but the permit also provides coverage for additional vessels including the Norwegian Spirit. NCL adhered to the compliance activities set forth in NCL's PIP including conducting staff seabird training, performing downed bird searches, following KSHCP protocol for downed seabirds, and performing guest outreach. Below is a summary of the vessel-specific avoidance and minimization measures implemented on the Norwegian Spirit.</p> <p>(1) NCL's PIP Item 7, Item 8, and Appendix describes the Pride of America seabird lighting minimization measures and fledging season protocol (PIP pg. 9 - 12 and Appendix C). The vessel-specific lighting minimization measures implemented on the Norwegian Spirit are detailed in Attachment C, Table 1 (Recommended permanent modifications to Norwegian Spirit to minimize light attraction during seabird season), and Attachment C, Table 2 (Recommended lighting minimization measures to be applied on board Norwegian Spirit during seabird season). The recommendations in Table 1 were implemented prior to the seabird season on September 1, 2022 and the recommendations in Table 2 implemented while the vessel was in Hawaii waters (e.g. October 15 – 23, 2022 and November 22 – 30, 2022). As necessary, exceptions were made for lighting standards and protocols for passenger vessels in 33 CFR 104.100 et seq. and 33 CFR 104.285.</p>				

(2) NCL's PIP provides that NCL's lighting audit will be done by the "NCL biologist, accompanied by the Director of Environmental Compliance from the Florida home office, along with the on-board environmental officer" (pg. 12). In preparation for seabird fledging season, a lighting audit of the Norwegian Spirit was conducted on June 17, 2022 in Victoria, Canada to determine compliance with KSHCP Appendix E: Guidelines for Adjusting Lighting at Facilities. The lighting audit was conducted in person by biologist Louise Blight of Procellaria Research & Consulting, who was accompanied virtually by NCL biologist Reginald David and who was accompanied in person by Sarah Ferguson-Brown (Director of Environmental Compliance) and several officers including the Norwegian Spirit's Environmental Officer, Staff Captain, Safety Officer, and Chief Electrician. The lighting audit identified recommendations for light minimization. These recommendations are in Attachment C, Table 1 (Recommended permanent modifications to Norwegian Spirit to minimize light attraction during seabird season), and Attachment C, Table 2 (Recommended lighting minimization measures to be applied on board Norwegian Spirit during seabird season). As described above, the recommendations in Table 1 and Table 2 were implemented prior to and during the seabird season.

(3) NCL's PIP states: "The NCL biologist routinely conducts site visits of the ship when it is moored in Kauai during the seabird season to ensure that all of the in-season lighting minimization measures are being complied with" (pg. 12). The Norwegian Spirit was only in Hawaii waters from October 15 – 23, 2022 and November 22 – 30, 2022. The NCL Biologist was unable to conduct a site visit of the ship during that time due to illness.

(4) NCL's PIP Table 8 states: "Crewmembers monitor their respective duty stations throughout their shift providing 24/7 coverage every day of the year." and "Crewmembers are responsible for searching their respective duty stations." NCL maintained 100 percent, 24/7 search coverage on the ship while in Hawaii waters (during the seabird fledging season). There were approximately 900 daily crew members aboard the Norwegian Spirit during the 2022 fledging season.

(5) NCL's PIP states: "A seabird awareness training program is conducted for all crewmembers from the Captain down to the cabin stewards once a year just prior to the start of the seabird seasons. If crew members join the ship for their tour of duty during the seabird season, they are given the seabird awareness training prior to them being allowed to take up their duty station" (pg. 21). The crewmembers of the Norwegian Spirit completed seabird awareness training prior to entering Hawaii waters or, for new employees, prior to starting their tour of duty. See the Training Summary tab for additional information. NCL used the updated Crew Seabird Awareness training PowerPoint (Attachment E), which supersedes the training PowerPoint attached to the 2021 Annual Report.

	<input type="checkbox"/>	Check here if additional space is needed and continue on addendum sheet.	
8	KSHCP Section 6.6.1.2e.i, ITP Section M.v.1 (N.v.1), ITL Section II.I.5.a	Provide map or description of search route(s) used for conducting searches. <input type="checkbox"/> Check here if map(s) attached or linked. <input checked="" type="checkbox"/> Check here if map(s) not attached and explain at right.	Link: <input type="text"/> Explanation: Seabird monitoring covers 100 percent of the ship that is accessible to crew members and passengers.
9	KSHCP Section 6.6.1.2.e.ii, ITP Section M.v.2 (N.v.2), ITL Section II.I.5.b.	Describe the frequency and timing of searches conducted at this facility: While in Hawaii waters, seabird monitoring was continuous, 24/7. The onboard Environmental Officer is responsible for overseeing the seabird protocols, bird searches and recovery, record keeping, and reporting. All crewmembers are responsible for searching their respective duty stations for downed seabirds on a daily basis. There were approximately 900 daily crew members aboard the Norwegian Spirit during the 2022 fledging season. NCL maintained 100 percent, 24/7 search coverage on the ship when in Hawaii waters (during the seabird fledging season).	<input type="text"/> <input type="text"/>
10	KSHCP Section 6.6.1.2.e.iii, ITP Section M.v.3 (N.v.3), ITL Section II.I.5.c.	Describe the personnel involved in search efforts at this facility: <input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.	
11	KSHCP Section 6.6.1.2.e.iv, ITP Section M.v.4 (N.v.4), ITL Section II.I.5.d.	On the worksheet provided, complete the Summary Table of search efforts for all downed birds and honu nests found.	N/A
12	KSHCP Section 6.6.1.1	Provide a copy each Downed Wildlife Incident Documentation and Reporting Form submitted for this facility. <input type="checkbox"/> Check here if any reports are attached or linked.	Link: <input type="text"/> Copies of the Downed Wildlife Incident Reports were submitted to the agency as required by KSHCP Section 6.6.1.1.

13	KSHCP Section 6.6.1.2.e.v, ITP Section M.v.5 (N.v.5), ITL Section II.I.5.e.	<p>Provide a discussion of the efficacy of the current self-monitoring protocols and adaptive management and whether adjustments need to be made. Describe any proposed adjustments</p> <p><input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.</p>	<p>No adjustments are required or proposed for NCL's self-monitoring protocols. NCL maintained a search coverage of 100 percent, 24/7 throughout the fledging season, when in Hawaii waters. Therefore, a 100% searcher efficiency rate continues to be appropriate. There were no changed or unforeseen circumstances that triggered adaptive management changes to minimization measures per the KSHCP Sections 6.9, 6.11, and 6.12.</p>	
14	KSHCP Section 6.6.1.2.f, ITP Section M.vi (N.vi), ITL Section II.I.6.	<p>Provide a summary discussion of the results and efficacy of on-site animal control efforts and adaptive management.</p> <p><input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.</p>	Not applicable on a seagoing vessel.	
15	KSHCP Section 6.6.1.2.g, ITP Section M.vii (N.vii), ITL Section II.I.7.	<p>On the worksheets provided, provide a summary of worker training efforts and outreach efforts.</p>		
16	KSHCP Section 6.6.1.2.h, ITP Section M.viii (N.viii), ITL Section II.I.8.	<p>Describe any other relevant information that the wildlife agencies may require to verify compliance with the permit issued.</p> <p><input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.</p>	None.	
17	ITP Section M.v.6 (N.v.6), ITP Section II.I.5.f.	<p>Provide nighttime photos of covered properties or operations during non-seabird season and during seabird season.</p> <p><input checked="" type="checkbox"/> X Check here if photos are attached or linked.</p>	<p>Link: See Attachment B: Norwegian Spirit Photo Log - 2022.</p>	
18	KSHCP 6.6.1.2	<p>Provide photographs illustrating any proposed changes to lighting, facility predator control programs, outreach and training or downed bird recovery protocols.</p> <p><input type="checkbox"/> N/A Check here if photos are attached or linked.</p>	<p>Link: <input type="checkbox"/></p>	
19	ITP Section M (N)/ITL Section II.I	<p>If applicable, describe any circumstances that triggered adaptive management and how the adaptive management was implemented.</p> <p><input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.</p>	<p>There were no changed or unforeseen circumstances that triggered adaptive management changes to minimization measures per the KSHCP Section 6.9.</p>	
20	ITP Section M (N)/ITL Section II.I	<p>If applicable, describe all occurrences of changed circumstances and how they were addressed.</p> <p><input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.</p>	<p>There were no changed circumstances as defined KSHCP Section 6.11.</p>	
21	ITP Section M (N)/ITL Section II.I	<p>If applicable, describe any unforeseen circumstances.</p> <p><input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.</p>	<p>There were no unforeseen circumstances as defined KSHCP Sections 6.12.</p>	
22	ITP Section M (N)/ITL Section II.I	<p>If applicable, describe progress made in achieving biological goals and objectives.</p> <p><input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.</p>	<p>NCL has achieved the following biological objectives as described in KSHCP Section 5.2:</p> <p>1.A Avoid and minimize the impacts of the taking of Covered Seabirds due to light attraction by removing or turning off lighting, and altering light structure and function by the end of Year 1, as specified in NCL's PIP;</p> <p>1.C Minimize mortality of Covered Seabirds downed due to light attraction by conducting annual Worker Seabird Awareness and Response Training, as specified in NCL's PIP;</p> <p>1.D. Minimize mortality of Covered Seabirds downed due to light attraction by implementing seabird awareness outreach to the public, guests, and customers, as specified in NCL's PIP; and</p> <p>1.F.Minimize mortality by implementing recovery and release of Covered Seabirds downed due to light attraction through the Save Our Shearwaters (SOS) program or other certified rehabilitation facility.</p> <p>Biological Objective 1B relates to predator control and Biological Objective 1E relates to avoiding and minimizing honu hatching disorientation, both of which are not applicable on a seagoing vessel.</p>	X

23 ITP Section M (N)/ITL Section II.I

If applicable, identify any problems that occurred and how they were handled.

☐ Check here if additional space is needed and continue on addendum sheet.

On the early morning of November 25, 2022 the Norwegian Spirit experienced very strong winds approximately 40 knots/ hour speed, wind force was 8 - Gale bf, Sea condition -5 - Rough. There were six downed birds (non-covered species) on the Norwegian Spirit in the late evening of November 24, 2023 and early morning of November 25, 2023 . These birds were delivered safely to SOS Hawaii Wildlife Center in Honolulu , Ms. Jody, tel: +1 (808) 352-1683 – at 13:34 pm at Pier # 2 Honolulu 521 Ala Moana Blvd, Honolulu, HI 96813.

24 ITP Section M (N)/ITL Section II.I

If applicable, provide a description of cost expenditures and other information related to funding assurances (e.g., summary of KSHCP financial status, including any KSHCP mitigation fees owed).

☐ Check here if additional space is needed and continue on addendum sheet.

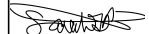
NCL deposited its required Year 3 financial commitments per KSHCP Section 6.1.2 and Section 7.

N/A

25 KSHCP Section 6.6.1.4

Certification

I certify that to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of this report, the information is true, accurate, and complete.



Insert electronic signature in space above.

N/A

KSHCP Participant Annual Report - Base Form				Base Form #:	Cover
Reporting Year:	2022	Participant Name:	NCL (Bahamas) Ltd. [NCL]	3 OF 3	Multiple Base Forms are included for this item.
Item #	Relevant Requirement	Information Required to be Reported			
		Oceania Regatta Marshall Island Flagged Cruise Vessel - International Maritime Organization Number 9156474	NCL (Bahamas) Ltd. [NCL] 7665 Corporate Center Drive Miami, Florida 33126 ITL-27	Facility Contact Information: (name, phone, email) Norwegian Cruise Line 1-877-501-5976 EnvironmentalHotline@ncl.com	
1	KSHCP Section 6.6.1.2a, ITP Section M.i. (N.i), ITL Section II.I.1	Facility Name, Facility Type and Location:	Facility Owner:		
2	ITP Section M (N)/ITL Section II.J	ITP Number:	ITL Number:		N/A
3	KSHCP Section 6.6.2.2(1)	List permitted incidental take by species for this facility. For birds, list as follows: Fledglings (lethal/non-lethal)			X
		30/30 Newell's Shearwater	6/6 Band-rumped Storm-Petrel		
		6/6 Hawaiian Petrel	N/A Green Sea Turtle		
4	ITP Section J/ITL Section II.D	Calculation of annual lethal and non-lethal take using the methodology described in the HCP and with the discovery rate within the approved Participant Inclusion Plan			
		Nonlethal Take:			
		0 Newell's Shearwater	0 Band-rumped Storm-Petrel		
		0 Hawaiian Petrel	N/A Green Sea Turtle		
		Lethal Take:			
		0 Newell's Shearwater	0 Band-rumped Storm-Petrel		
		0 Hawaiian Petrel	N/A Green Sea Turtle		
5	KSHCP Section 6.6.1.2b, ITP Section M.ii. (N.ii), ITL Section II.I.2.	Summarize any proposed changes to the facility with the potential to affect the Covered Species.			
		<input type="checkbox"/> Check here if additional space is needed and continue on Addendum Sheet.			
6	KSHCP Section 6.6.1.2c, ITP Section M.iii (N.iii), ITL Section II.I.3.	Identify any changes to facility management/ownership or other key personnel involved in the KSHCP.			
		KSHCP compliance is overseen by the vessel's Environmental Officer. In 2022, the Environmental Officer was Francesco Avallone.			
		In 2022, the Oceania Regatta altered its typical cruise track to include Hawaii. NCL's vessel Pride of America was the focus of NCL's PIP but the permit also provides coverage for additional vessels including the Oceania Regatta. With the exceptions noted below, NCL adhered to the compliance activities set forth in NCL's PIP including, conducting staff seabird training; performing downed bird searches; following KSHCP protocol for downed seabirds; and performing guest outreach. As it was a last minute schedule change, there was not time to conduct a lighting audit or lighting modifications before the vessel arrived in Hawaii waters. Below is a summary of the vessel-specific avoidance and minimization measures implemented on the Oceania Regatta.			
7	KSHCP Section 6.6.1.2d, ITP Section M.iv (N.iv), ITL Section II.I.4.	Describe any requested changes to minimization efforts conducted at the facility and the reasons for the requested change.			
		(1) As it was a last minute schedule change, there was not time to conduct a lighting audit or lighting modifications before the Regatta arrived in Hawaii waters. To minimize the lighting of the vessel while in Hawaii waters, the Regatta kept the following lights off: flood lights, funnel and string lights, forward mooring lights, jogging track and radar lights.			

(2) NCL's PIP provides that NCL's lighting audit will be done by the "NCL biologist, accompanied by the Director of Environmental Compliance from the Florida home office, along with the on-board environmental officer" (pg. 12). As it was a last minute schedule change, there was not time to conduct a lighting audit or lighting modifications before the vessel arrived in Hawaii waters.

(3) NCL's PIP states: "The NCL biologist routinely conducts site visits of the ship when it is moored in Kauai during the seabird season to ensure that all of the in-season lighting minimization measures are being complied with" (pg. 12). The Oceania Regatta was only in Hawaii waters from October 1 – 5, 2022. The NCL Biologist was unable to conduct a site visit of the ship during that time due to illness.

(4) NCL's PIP Table 8 states: "Crewmembers monitor their respective duty stations throughout their shift providing 24/7 coverage every day of the year." and "Crewmembers are responsible for searching their respective duty stations" NCL maintained 100 percent, 24/7 search coverage on the Oceania Regatta while in Hawaii waters (during the seabird fledging season). There were approximately 400 daily crew members aboard the Oceania Regatta during the 2022 fledging season.

(5) NCL's PIP states: "A seabird awareness training program is conducted for all crewmembers from the Captain down to the cabin stewards once a year just prior to the start of the seabird seasons. If crew members join the ship for their tour of duty during the seabird season, they are given the seabird awareness training prior to them being allowed to take up their duty station" (pg. 21). The crewmembers of the Oceania Regatta completed seabird awareness training prior to entering Hawaii waters or, for new employees, prior to starting their tour of duty. See the Training Summary tab for additional information. NCL used the updated Crew Seabird Awareness training PowerPoint (Attachment E), which supersedes the training PowerPoint attached to the 2021 Annual Report.

	<input type="checkbox"/>	Check here if additional space is needed and continue on addendum sheet.	
8	KSHCP Section 6.6.1.2e.i, ITP Section M.v.1 (N.v.1), ITL Section II.I.5.a	Provide map or description of search route(s) used for conducting searches. <input type="checkbox"/> Check here if map(s) attached or linked. <input checked="" type="checkbox"/> X Check here if map(s) not attached and explain at right.	Link: <input type="text"/> Explanation: Seabird monitoring covers 100 percent of the ship that is accessible to crew members and passengers.
9	KSHCP Section 6.6.1.2.e.ii, ITP Section M.v.2 (N.v.2), ITL Section II.I.5.b.	Describe the frequency and timing of searches conducted at this facility:	While in Hawaii waters, seabird monitoring was continuous, 24/7.
10	KSHCP Section 6.6.1.2.e.iii, ITP Section M.v.3 (N.v.3), ITL Section II.I.5.c.	Describe the personnel involved in search efforts at this facility: <input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.	The onboard Environmental Officer is responsible for overseeing the seabird protocols, bird searches and recovery, record keeping, and reporting. All crewmembers are responsible for searching their respective duty stations for downed seabirds on a daily basis. There were approximately 400 daily crew members aboard the Oceania Regatta during the 2022 fledging season. NCL maintained 100 percent, 24/7 search coverage on the ship when in Hawaii waters (during the seabird fledging season).
11	KSHCP Section 6.6.1.2.e.iv, ITP Section M.v.4 (N.v.4), ITL Section II.I.5.d.	On the worksheet provided, complete the Summary Table of search efforts for all downed birds and honu nests found.	N/A
12	KSHCP Section 6.6.1.1	Provide a copy each Downed Wildlife Incident Documentation and Reporting Form submitted for this facility. <input type="text"/> N/A Check here if any reports are attached or linked.	Link: <input type="text"/>

13	KSHCP Section 6.6.1.2.e.v, ITP Section M.v.5 (N.v.5), ITL Section II.I.5.e.	<p>Provide a discussion of the efficacy of the current self-monitoring protocols and adaptive management and whether adjustments need to be made. Describe any proposed adjustments</p> <p><input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.</p>	<p>No adjustments are required or proposed for NCL's self-monitoring protocols. NCL maintained a search coverage of 100 percent, 24/7 throughout the fledging season, when in Hawaii waters. Therefore, a 100% searcher efficiency rate continues to be appropriate. There were no changed or unforeseen circumstances that triggered adaptive management changes to minimization measures per the KSHCP Sections 6.9, 6.11, and 6.12.</p>	
14	KSHCP Section 6.6.1.2.f, ITP Section M.vi (N.vi), ITL Section II.I.6.	<p>Provide a summary discussion of the results and efficacy of on-site animal control efforts and adaptive management.</p> <p><input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.</p>	<p>Not applicable on a seagoing vessel.</p>	
15	KSHCP Section 6.6.1.2.g, ITP Section M.vii (N.vii), ITL Section II.I.7.	<p>On the worksheets provided, provide a summary of worker training efforts and outreach efforts.</p>		
16	KSHCP Section 6.6.1.2.h, ITP Section M.viii (N.viii), ITL Section II.I.8.	<p>Describe any other relevant information that the wildlife agencies may require to verify compliance with the permit issued.</p> <p><input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.</p>	<p>None.</p>	
17	ITP Section M.v.6 (N.v.6), ITP Section II.I.5.f.	<p>Provide nighttime photos of covered properties or operations during non-seabird season and during seabird season.</p> <p><input checked="" type="checkbox"/> X Check here if photos are attached or linked.</p>	<p>Link: See Attachment D: Oceania Regatta Photo Log, 2022</p>	
18	KSHCP 6.6.1.2	<p>Provide photographs illustrating any proposed changes to lighting, facility predator control programs, outreach and training or downed bird recovery protocols.</p> <p><input type="checkbox"/> N/A Check here if photos are attached or linked.</p>	<p>Link:</p>	
19	ITP Section M (N)/ITL Section II.I	<p>If applicable, describe any circumstances that triggered adaptive management and how the adaptive management was implemented.</p> <p><input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.</p>	<p>There were no changed or unforeseen circumstances that triggered adaptive management changes to minimization measures per the KSHCP Section 6.9.</p>	
20	ITP Section M (N)/ITL Section II.I	<p>If applicable, describe all occurrences of changed circumstances and how they were addressed.</p> <p><input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.</p>	<p>There were no changed circumstances as defined KSHCP Section 6.11.</p>	
21	ITP Section M (N)/ITL Section II.I	<p>If applicable, describe any unforeseen circumstances.</p> <p><input type="checkbox"/> Check here if additional space is needed and continue on addendum sheet.</p>	<p>There were no unforeseen circumstances as defined KSHCP Sections 6.12.</p>	
22	ITP Section M (N)/ITL Section II.I	<p>If applicable, describe progress made in achieving biological goals and objectives.</p>	<p>NCL has achieved the following biological objectives as described in KSHCP Section 5.2:</p> <p>1.A Avoid and minimize the impacts of the taking of Covered Seabirds due to light attraction by removing or turning off lighting, and altering light structure and function by the end of Year 1, as specified in NCL's PIP;</p> <p>1.C Minimize mortality of Covered Seabirds downed due to light attraction by conducting annual Worker Seabird Awareness and Response Training, as specified in NCL's PIP;</p> <p>1.D. Minimize mortality of Covered Seabirds downed due to light attraction by implementing seabird awareness outreach to the public, guests, and customers, as specified in NCL's PIP; and</p> <p>1.F.Minimize mortality by implementing recovery and release of Covered Seabirds downed due to light attraction through the Save Our Shearwaters (SOS) program or other certified rehabilitation facility.</p> <p>Biological Objective 1B relates to predator control and Biological Objective 1E relates to avoiding and minimizing honu hatching disorientation, both of which are not applicable on a seagoing vessel.</p>	

☐ Check here if additional space is needed and continue on addendum sheet.

23 ITP Section M (N)/ITL Section II.I

If applicable, identify any problems that occurred and how they were handled.

None.

☐ Check here if additional space is needed and continue on addendum sheet.

If applicable, provide a description of cost expenditures and other information related to funding assurances (e.g., summary of KSHCP financial status, including any KSHCP mitigation fees owed).

24 ITP Section M (N)/ITL Section II.I

NCL deposited its required Year 3 financial commitments per KSHCP Section 6.1.2 and Section 7.

N/A

☐ Check here if additional space is needed and continue on addendum sheet.

I certify that to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of this report, the information is true, accurate, and complete.

25 KSHCP Section 6.6.1.4

Certification

N/A



Insert electronic signature in space above.

KSHCP Participant Annual Report - Addendum Sheet to Base Form(s)**2022**

NCL (Bahamas) Ltd. [NCL]

Reporting Year:**Participant Name:**

Use the spaces below to provide additional information pertaining to any item on the Base Form worksheet for which additional space is needed. For each entry, enter the corresponding Item Number and Relevant Requirement from the Base Form. Additional rows may be added to this form as needed.

Form #**(Cover Sheet or****Page #)****Item # Relevant Requirement****Additional Information**Base Form
(Pride of
America)11 KSHCP Section 6.6.1.2.e.iv,
ITP Section M.v.4 (N.v.4),
ITL Section II.I.5.d.

NCL became aware of the downed Newell's Shearwater via an email from USFWS on July 20, 2022 which forwarded a picture of an NCL guest posted on Facebook. Additional records or information are not available. In response to USFWS' recommendation, the Pride of America will work to increase passenger awareness of the importance of informing a crew member if they locate a bird on the vessel. NCL currently provides seabird awareness training to all crew onboard, this training as well as the notification in the "Free Style Daily" occurs regularly during seabird fallout season. NCL is evaluating increasing the date range that crew training is conducted, and will expand the period of days that the Free Style Daily includes the information for the passengers from March 1st through December 15th.

Summary of Results of Self Monitoring of Take of Covered Seabirds and Monitoring of Honu Nests

Reporting Year: 2022 Participant Name: NCL (Bahamas) Ltd. [NCL] Reg - Confirm that this is your understanding too. Also, was this bird released?

For each downed seabird or honu nest found, make an entry in the table below.

Complete these columns for each bird or honu nest found.				Complete these columns for each downed seabird found.				Complete these columns for any honu nest found.			
Date Found	Time Found	Property or Facility	Describe Exact Location Where Found	GPS Latitude (decimal degrees, N), if available	GPS Longitude (decimal degrees, W), if available	Species (NESH HAPE BNAP)	File Number or Bird Identification, if available	Disposition of Bird (Identify SOS Aid Station or other disposition bird was dead. Note whether bird was released by SOS, if known.)	Honu Nest Found? (Yes or No)	Describe Any Honu Nest Protection Efforts Implemented	Disposition of Nest (if known)
10/15/2022	00:31 AM	Norwegian Spirit	Deck 7 Starboard side midship near lifeboat # 23	21° 49.4 N Sailing to Lahaina (Maui)	155° 54.5 W	BNAP		Mr. Jay Penniman Manager - Maui Nui Seabird Recovery. Bird appeared to be in good shape with no obvious injuries. NCL became aware of the downed Newell's Shearwater via an email from USFWS on July 20, 2022 which forwarded a picture of an NCL guest posted on Facebook. Additional records or information are not available. Without further information NCL was unable to submit a downed wildlife form for this bird.	No	N/A	N/A
Unknown	Unknown	Pride of America	Unknown	Unknown	Unknown	NESH					

Total Number of Downed Seabirds Found:

1	NESH
0	HAPE
1	BNAP

Total Number of Honu Nests Found:

N/A

[illegible]

4/14/2022	Seabird Protection and Awareness	Oceania Regatta	Bar	16	PowerPoint Presentation	PowerPoint (Attachment C)
			Terrace Café and Rest			
4/14/2022	Seabird Protection and Awareness	Oceania Regatta	Mgmt.	23	PowerPoint Presentation	PowerPoint (Attachment C)
4/14/2022	Seabird Protection and Awareness	Oceania Regatta	Housekeeping	31	PowerPoint Presentation	PowerPoint (Attachment C)
4/15/2022	Seabird Protection and Awareness	Oceania Regatta	Housekeeping	14	PowerPoint Presentation	PowerPoint (Attachment C)
4/15/2022	Seabird Protection and Awareness	Oceania Regatta	Casino	5	PowerPoint Presentation	PowerPoint (Attachment C)
			Galley/ Sanitation/			
9/27/2022	Seabird Protection and Awareness	Oceania Regatta	Destination	19	PowerPoint Presentation	PowerPoint (Attachment C)
			Galley/ Sanitation/			
9/27/2022	Seabird Protection and Awareness	Oceania Regatta	Destination	16	PowerPoint Presentation	PowerPoint (Attachment C)
			Galley/ Sanitation/			
9/27/2022	Seabird Protection and Awareness	Oceania Regatta	Destination	18	PowerPoint Presentation	PowerPoint (Attachment C)
			Galley/ Sanitation/			
9/27/2022	Seabird Protection and Awareness	Oceania Regatta	Destination	19	PowerPoint Presentation	PowerPoint (Attachment C)
			Galley/ Sanitation/			
9/27/2022	Seabird Protection and Awareness	Oceania Regatta	Destination	16	PowerPoint Presentation	PowerPoint (Attachment C)
			Restaurant /			
9/27/2022	Seabird Protection and Awareness	Oceania Regatta	Administration/ Butlers	19	PowerPoint Presentation	PowerPoint (Attachment C)
			Galley/ Sanitation/			
9/27/2022	Seabird Protection and Awareness	Oceania Regatta	Destination	17	PowerPoint Presentation	PowerPoint (Attachment C)
			Restaurant /			
9/27/2022	Seabird Protection and Awareness	Oceania Regatta	Administration/ Butlers	19	PowerPoint Presentation	PowerPoint (Attachment C)
9/27/2022	Seabird Protection and Awareness	Oceania Regatta	Administration	17	PowerPoint Presentation	PowerPoint (Attachment C)
9/28/2022	Seabird Protection and Awareness	Oceania Regatta	Housekeeping	44	PowerPoint Presentation	PowerPoint (Attachment C)
9/28/2022	Seabird Protection and Awareness	Oceania Regatta	Bar	16	PowerPoint Presentation	PowerPoint (Attachment C)
9/28/2022	Seabird Protection and Awareness	Oceania Regatta	Bar/ Sommeliers	6	PowerPoint Presentation	PowerPoint (Attachment C)
9/28/2022	Seabird Protection and Awareness	Oceania Regatta	Bar/ Sommeliers	4	PowerPoint Presentation	PowerPoint (Attachment C)
9/28/2022	Seabird Protection and Awareness	Oceania Regatta	Galley	12	PowerPoint Presentation	PowerPoint (Attachment C)
9/28/2022	Seabird Protection and Awareness	Oceania Regatta	Provision	4	PowerPoint Presentation	PowerPoint (Attachment C)
9/29/2022	Seabird Protection and Awareness	Oceania Regatta	Deck Officers	10	PowerPoint Presentation	PowerPoint (Attachment C)
9/29/2022	Seabird Protection and Awareness	Oceania Regatta	Boutique/ SPA/ Laundry	15	PowerPoint Presentation	PowerPoint (Attachment C)
9/29/2022	Seabird Protection and Awareness	Oceania Regatta	Casino	6	PowerPoint Presentation	PowerPoint (Attachment C)
9/29/2022	Seabird Protection and Awareness	Oceania Regatta	Boutique/ SPA/ Laundry	1	PowerPoint Presentation	PowerPoint (Attachment C)
			Cruise/ Musicians/			
9/29/2022	Seabird Protection and Awareness	Oceania Regatta	Production/ Casino	13	PowerPoint Presentation	PowerPoint (Attachment C)
9/30/2022	Seabird Protection and Awareness	Oceania Regatta	Deck	16	PowerPoint Presentation	PowerPoint (Attachment C)
9/30/2022	Seabird Protection and Awareness	Oceania Regatta	Engine	21	PowerPoint Presentation	PowerPoint (Attachment C)
9/30/2022	Seabird Protection and Awareness	Oceania Regatta	Engine	20	PowerPoint Presentation	PowerPoint (Attachment C)
			TOTAL	437		

Summary of Outreach Efforts

Reporting Year:

2022

Participant Name:

NCL (Bahamas) Ltd. [NCL]

Date(s) of

Outreach Effort

Description of Outreach Effort (including method of delivery)

Property or Facility

Outreach Target Audience

Printed Materials or Other

Media Produced

September 15,
2022 - December
15, 2022

During the seabird season, the Pride of America, Norwegian Spirit, and Oceania Regatta provides information on seabirds, and seabird protocols to its passengers in the "Free Style Daily," NCL's onboard daily newspaper.

Pride of America,
Norwegian Spirit,
and Oceania
Regatta

Guests

Free Style Daily

Continuous / Year
Round

The ship's hotel staff closes cabin draperies each afternoon as part of the turn-down service (NCL Housekeeping Policy (HK), 03.28 and HD .03.80 11/30/2006 and 11/2009 respectively). Additionally, when cabins are cleaned, draperies are also closed. Passengers are requested to keep their draperies closed as part of the ship's green initiative and to conserve natural resources.

Pride of America,
Norwegian Spirit,
and Oceania
Regatta

Guests

N/A

List of Attachments

Attachment A. Pride of America Photo Log – 2022

Attachment B. Norwegian Spirit Photo Log – 2022

Attachment C. Norwegian Spirit Lighting Minimization Recommendations

Attachment D. Oceania Regatta Photo Log – 2022

Attachment E. NCL Seabird Awareness Training Program PowerPoint – 2022

Attachment A: Pride of America Photo Log - 2022

Figures 1-8 depicting lighting on the Pride of America during the seabird fledging season.

Figure 1. Deck 6 Starboard Side, Aft to Fwd

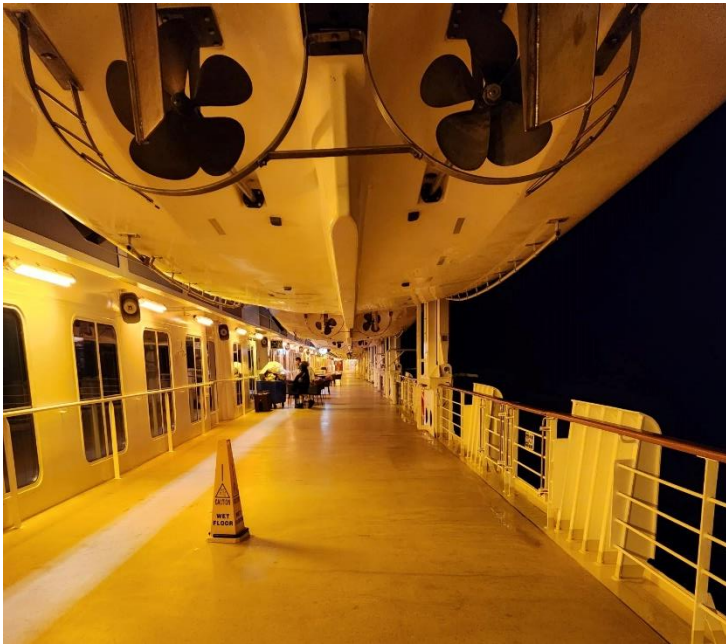


Figure 2. Deck 6 Port Side, Aft to Fwd

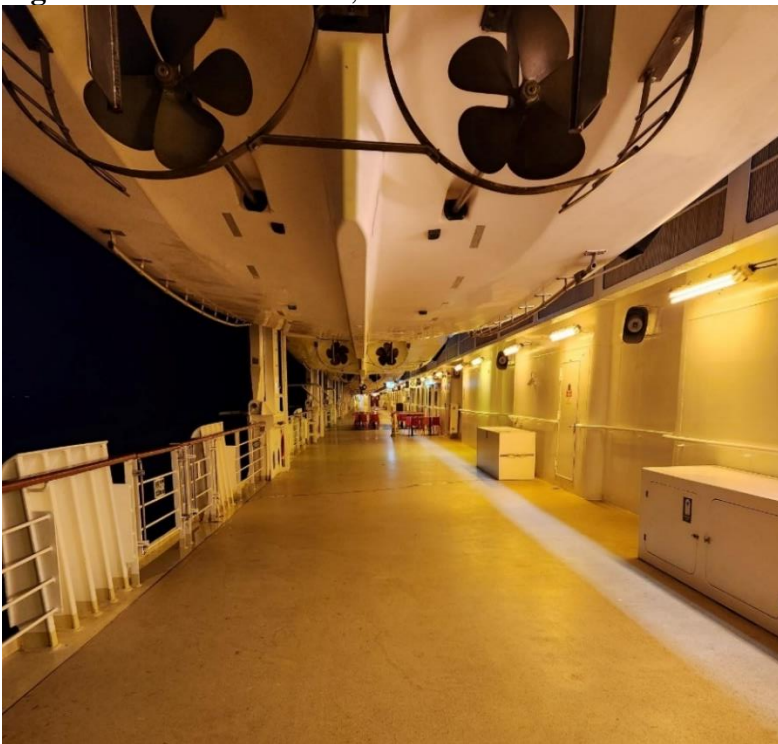


Figure 3. Deck 11 Starboard Side, Aft to Fwd



Figure 4. Deck 13 Port Side, Fwd to Aft

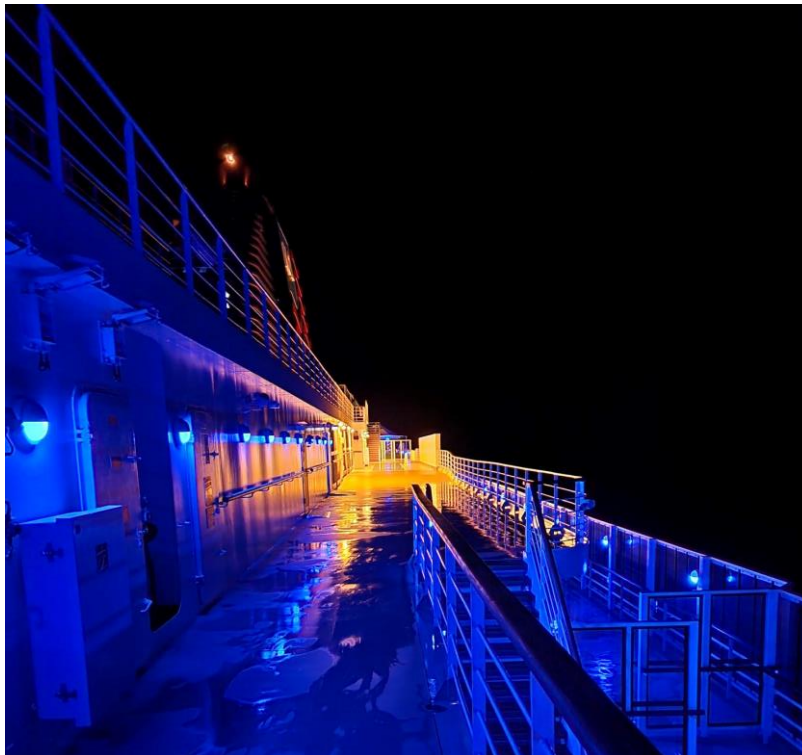


Figure 5. Deck 13 Port Side, Fwd



Figure 6. Deck 13 Port Side Midships, Aft

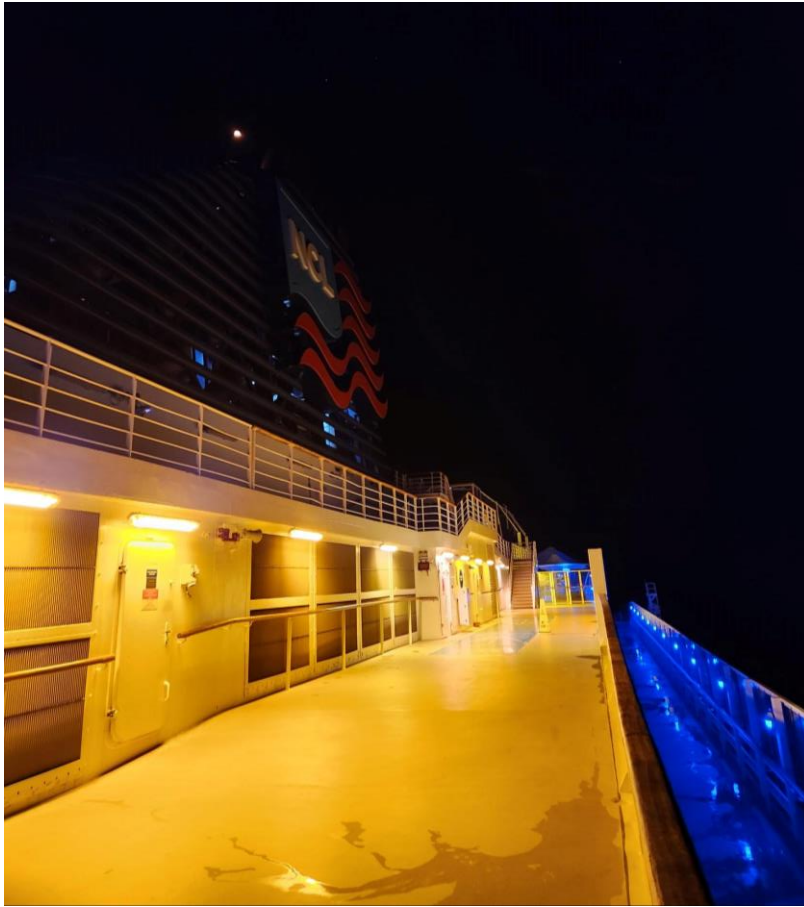


Figure 7. Deck 13 Starboard Side, Aft to Fwd

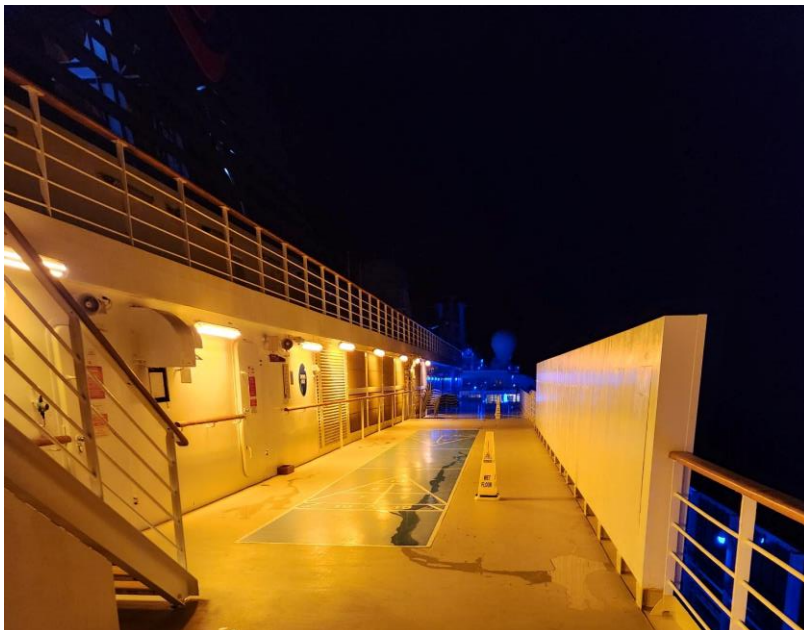


Figure 8. Pool Deck



Attachment B: Norwegian Spirit Photo Log - 2022

PART 1. Figures 1-11 depicting lighting on Norwegian Spirit on June 17, 2022

Figure 1. Deck 13, sconce-type fixtures. (A) Port side looking forward, with upward-shining lights; and (B) already modified as full cut-off lights, port side looking forward to satellite deck.



Figure 2. Lights illuminating glass rail aft of Bier Garten, Deck 13, midships starboard side looking forward. View of Bier Garten with four video screens, bar lights, and two vertical entrance lights (visible behind rail in top-centre of image).



Figure 3. Floodlight for illuminating games court, port side aft, view athwartships toward stack.



Figure 4. Deck 13 port side, looking forward. Atrium and pool on Sun Deck (Deck 12) are in foreground and mid-ground, respectively. Bier Garten (Deck 13) is in background.



Figure 5. Deck 10, Spice H2O and stairs to upper decks. (A) Floodlight mounted on aft end of Deck 12(?), taken from starboard aft looking athwartships; (B) pool, starboard side looking aft; post-mounted upward-facing lights.

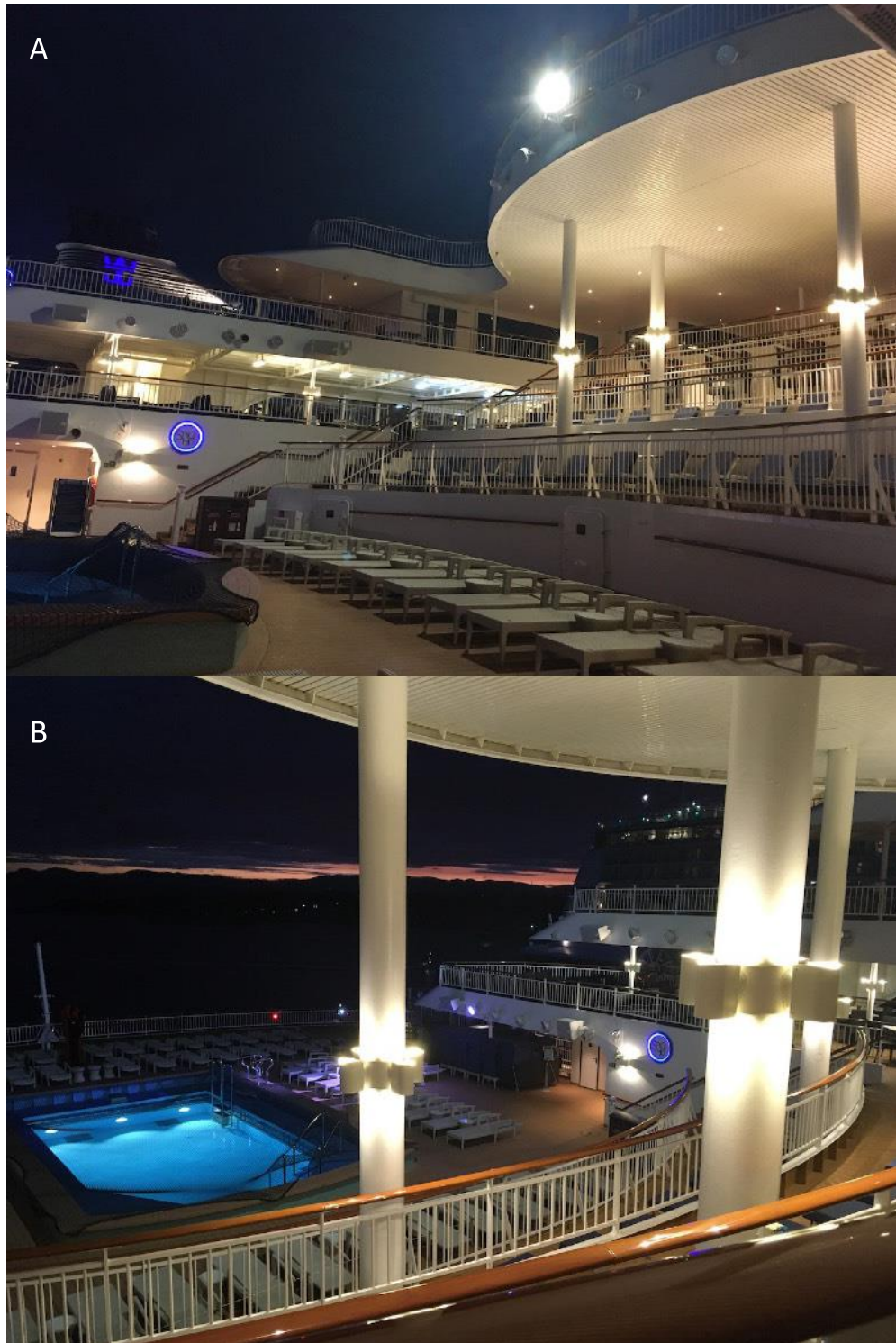


Figure 6. Outboard floodlights, (A) port side; (B) aft.



Figure 7. Deck 7, lifeboat deck, port side looking forward. Note upward-shining light on right-hand centre edge of image.



Figure 8. Exterior of ship, midships, port side. Note lights in passenger balconies and accommodation, boat deck, and passenger dining area.

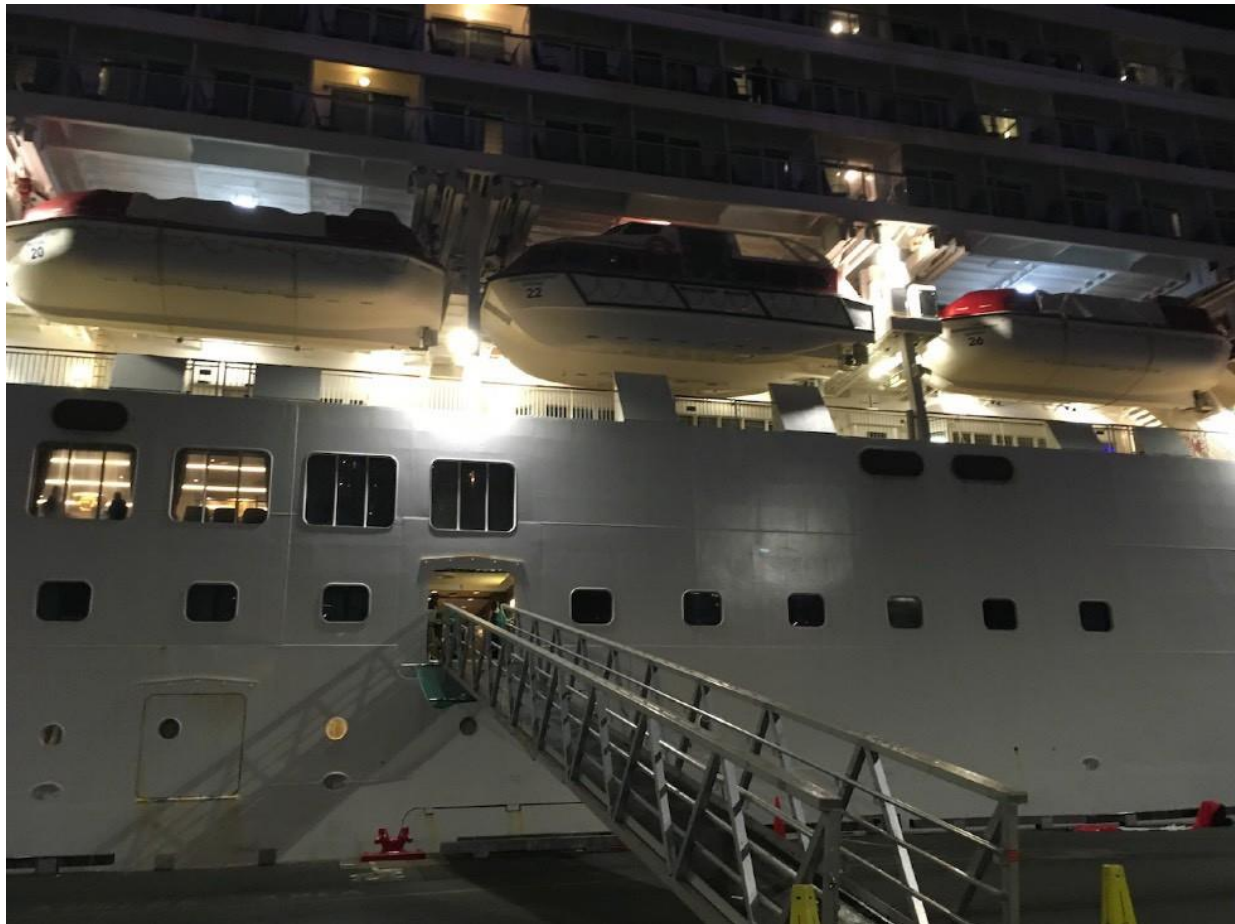


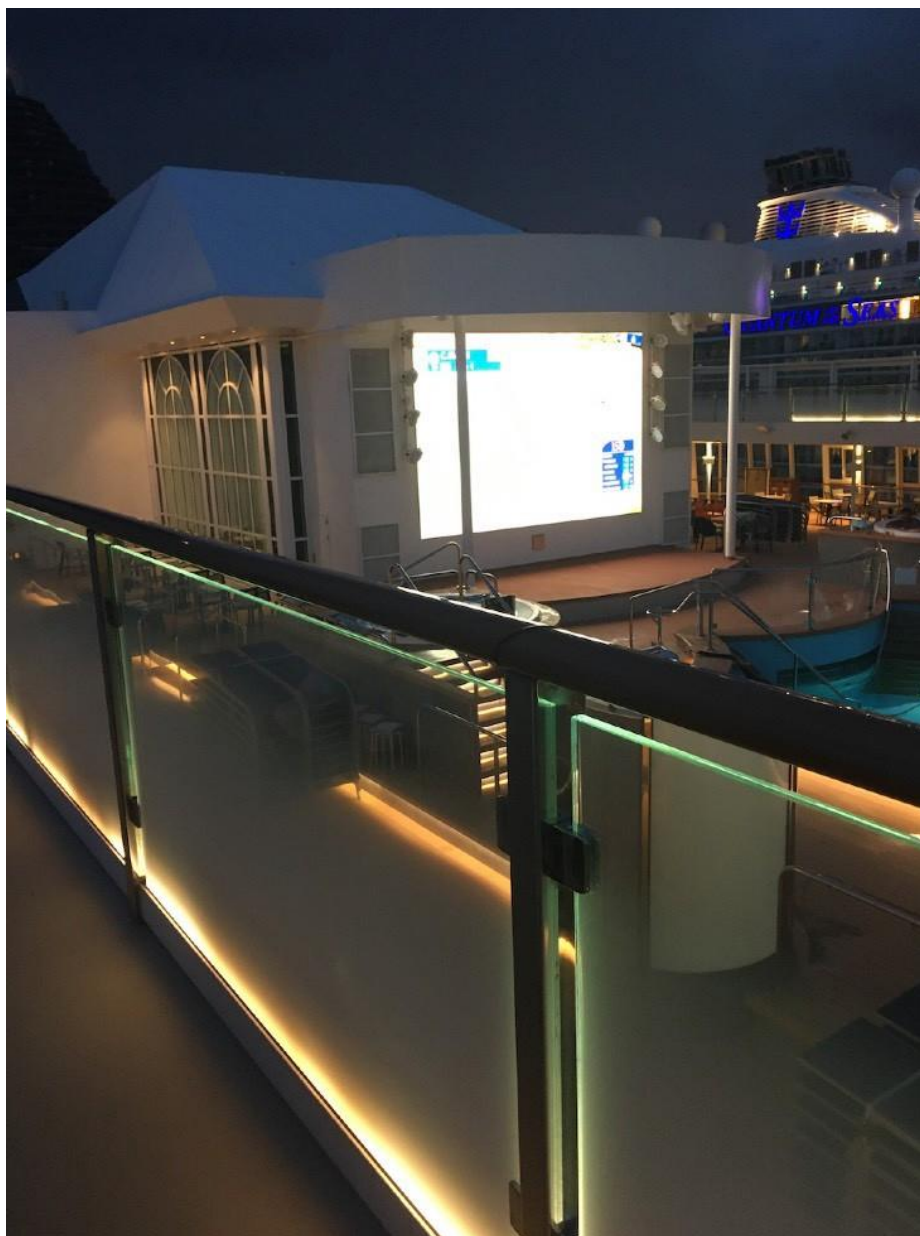
Figure 9. Forward mast, lit and unlit.



Figure 10. Deck 13 looking forward to satellite deck starboard side, one floodlight lit, one unlit



Figure 11. Deck 12, video screen on Sun Deck, from Deck 13 starboard side looking aft. Illuminated glass rail in foreground (see Fig. 2).



PART 2. Figures 12-15 depicting lighting on Norwegian Spirit during the seabird season

Figure 12. Deck 7 FZ 3 Starboard Side LB 19 Promenade Deck



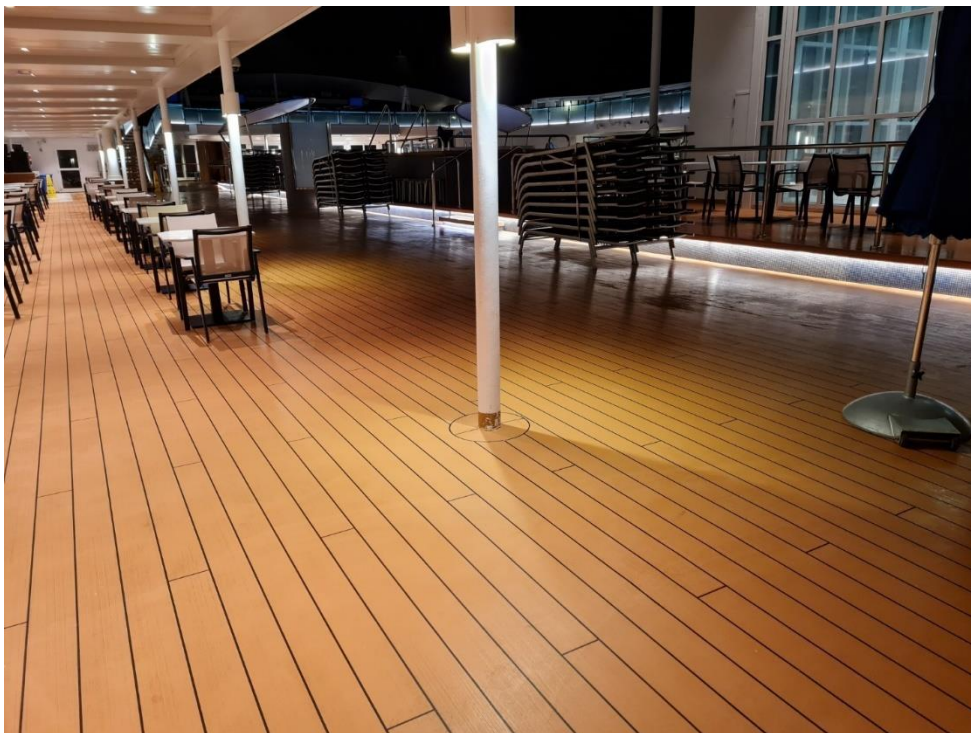
Figure 13. Deck 7 FZ 3 Starboard Side LB 23 Promenade Deck



Figure 14. Deck 7 FZ 6 Aft Promenade Deck, Starboard Side



Figure 15. Deck12 FZ 4 Entrance Swimming Pool Area, Port Side



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Summary Tables of Recommendations (Tables 1 & 2)

Table 1. Recommended permanent modifications to *Norwegian Spirit* to minimize light attraction during seabird season.

Deck number	Description of lighting and/or location	Minimization measure recommended	Figure no. if applicable	Comments
Deck 13	Sconce-type light fixtures on rails and bulkheads - those with open tops that allow light to shine upward	Cap tops of individual fixtures that allow light to shine upward. Modifications should result in full cutoff fixtures (i.e., light only emitted downward)	Fig. 1A, B (All figures in Appendix 1)	Approx. 14-16 of these lights on Deck 13. Similar sconce-type fixtures that are already capped do not require modification
Deck 13	Lights illuminating glass rail aft of Bier Garten, and stair rail from Deck 13 Bier Garten to Deck 12 Sun Deck	If not already dimmable and safety requirements allow for dimmer wattage to be used here, lights should be modified to be dimmable; or, lights should be replaced with blue LEDs	Fig. 2	Also see recommendations for this location in Table 2
Deck 13	Floodlights illuminating two games courts aft - basketball court starboard, golf driving nets port	Replace bulbs with those emitting longer-wavelength light, and provide with metal side shields so that light only shines downward	Fig. 3	Also see recommendations for this location in Table 2
Deck 12	Lighting visible through curved-top atrium windows	Install interior electric blinds or window shades to exclude light	Fig. 4	Windows extend from Deck 12 to Deck 13. Also see recommendations for this location in Table 2
Aft stairs from Deck 12 to Spice H2O	Post-mounted upward-facing lights under canopy	Cap tops of individual fixtures to result in full cutoff fixtures (i.e., light only emitted downward)	Fig. 5A, B	Also see recommendations for this location in Table 2
Deck 10	Upward-facing light on port side bulkhead adjacent to illuminated Spice H2O sign	Cap top to result in full cutoff fixture (i.e., light only emitted downward)	Fig. 5A, B	

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Deck 7	All downward-shining floodlights affixed outboard on port, starboard and aft rails.	If it does not compromise their role in ship's security, install metal shields around sides of fixtures to minimize upward/ sideways light scatter, and/or replace white lights with amber bulbs	Fig. 6	Noted that these lights are required for ship's security. Also see recommendation for these lights in Table 2
Deck 7	All bulkhead-mounted fixtures that emit light both upward and downward	Cap tops of individual fixtures to result in full cutoff fixtures (i.e., light only emitted downward)	Fig. 7	
Deck 7	All deckhead-mounted fluorescent fixtures, port, starboard, aft.	Replace current bulbs with bulbs emitting longer-wavelength (e.g., amber) light; consider installing purpose-built metal shielding to deflect light downward	Figs. 7, 8	Includes overhead lights on port and starboard lifeboat decks. Chief Electrician reported that replacement bulbs already ordered
Mooring deck aft	Deckhead-mounted fluorescent fixtures	Consider replacing bulbs with amber- coloured tubes, if safety regulations allow		International regulation requires this area to be lit, so dimming lights not an option. Although these lights do not shine skyward, they pose a site-specific hazard in seabird season at Nawiliwili Harbour when vessel is moored stern-to (R. David, pers. comm.)
Pax cabin balconies	Balcony lights	Replace white bulbs with blue, or paint covers blue	Fig. 8	Also see recommendations for this location in Table 2
All open decks	Any other upward-facing light fixtures not specified here	Cap tops to result in full cutoff fixtures (i.e., light only emitted downward)		No light fixtures should emit light upward
General	Windows and portholes to passenger dining areas and other common areas, crew accommodation	Install blackout blinds/ porthole covers if not already in place	Fig. 8	Also see recommendations for this location in Table 2

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Table 2. Recommended lighting minimization measures to be applied on board

Norwegian Spirit during seabird season.

Deck number	Description of lighting and/or location	Minimization measure recommended	Figure no. if applicable	Comments
Deck 14 and stack	Forward mast	Turn off lights	Fig. 9 (All figures in Appendix 1)	Turned off from bridge
Deck 14 and stack	Stack	Turn off lights		
Deck 14 and stack	Dressing lights	Turn off lights		Decorative lights strung fore and aft from stack
Deck 13 (satellite deck)	Four floodlights illuminating satellite deck	Turn off lights	Fig. 1B, 10	Turned off from bridge
Deck 13	Spinnaker Observation Lounge windows	Ensure that windows remain shaded		Shades reportedly down at all times to minimize light in lounge
Deck 13	Bar “Bier Garten” - vertical lights on either side of entrance to bar proper	Turn off lights	Fig. 2	
Deck 13	Bar “Bier Garten” - four video screens	Turn off	Fig. 2	
Deck 13	Bar “Bier Garten” - interior bar lights	Maintain dim lights during bar operation, or turn off	Fig. 2	
Deck 13	Lights illuminating glass rail aft of Bier Garten, and stair rail from Deck 13 to Deck 12	Dim lights, or turn off	Fig. 2	Until permanently modified (see Table 1), if dimming lights is not technically possible, or dimming poses a safety hazard, these lights should be turned off and this portion of Deck 13/ stairs to Deck 12 should be closed to passengers while ship is in affected waters
Deck 13	Large video screen at Sun Deck stage midships	Turn off	Fig. 11	

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Deck 13	Floodlights illuminating two games courts aft - basketball court starboard, golf driving nets port	Turn off	Fig. 3	See recommended modifications in Table 1. Until modifications made, courts should be closed after dark in seabird season
Deck 12	Pool on Sun Deck	Maintain low lighting in pool itself	Fig. 4	
Deck 12	Sun Deck floodlights	Turn off		
Deck 12	Spotlights outside curved-top atrium windows, illuminating café-style tables below	Dim, turn off, or replace with blue bulbs/paint shades blue	Fig. 4	Windows extend from Deck 12 to Deck 13
Deck 12	Lighting visible through curved-top atrium windows	Dim or turn off interior lighting shining through windows	Fig. 4	Windows extend from Deck 12 to Deck 13; see recommended modifications in Table 1
Aft stairs from Deck 12 to Spice H2O	Upward-facing lights under canopy	Turn off	Fig. 5A, B	See recommended modifications in Table 1
Deck 10	Pool at Spice H2O	Maintain low lighting in pool itself	Fig. 5B	
Deck 10	Aft-facing floodlight illuminating Spice H2O and mounted on aft end of Deck 12(?)	Turn off	Fig. 5A	
Deck 7	All downward-shining floodlights affixed outboard on port, starboard and aft rails.	Turn off when not operationally required for ship's security	Fig. 6	See recommended modifications in Table 1
Pax cabin balconies	Balcony lights	Turn off	Fig. 8	See recommended modifications in Table 1
General	Windows and portholes to passenger dining areas and other common areas, crew accommodation	Use existing blackout blinds and porthole covers	Fig. 8	See recommended modifications in Table 1

Attachment D: Oceania Regatta Photo Log

Figures 1-10 depicting lighting on Oceania Regatta during the seabird season.

Figure 1. Oceania Regatta Lighting View from Sea Side



Figure 2. Flooding Lights Off



Figure 3. Flooding and Balcony Lights Off



Figure 4. Funnel and String Lights Off

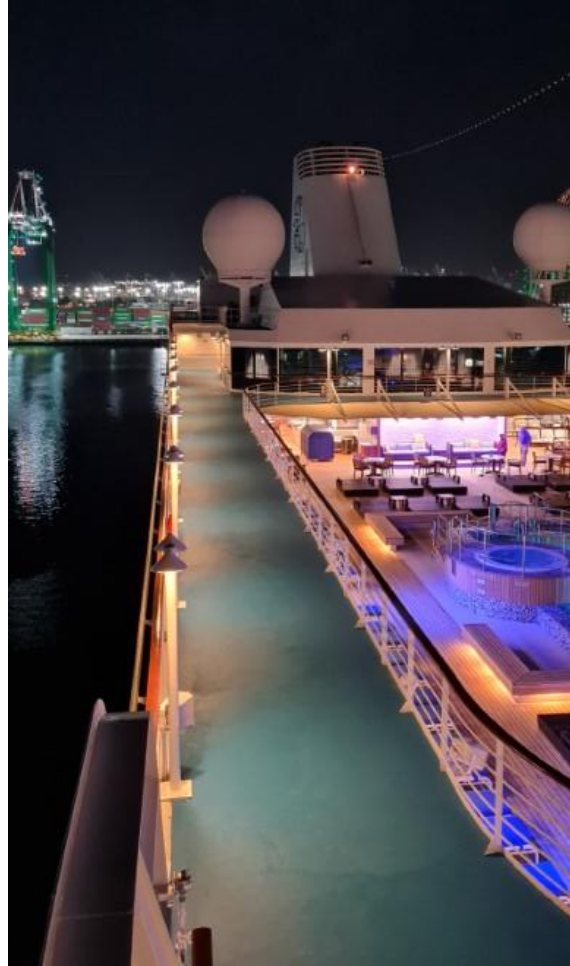


Figure 5. Funnel Lights Off



Figure 6. Forward Mooring Lights Off



Figure 7. Jogging Track Lights Off

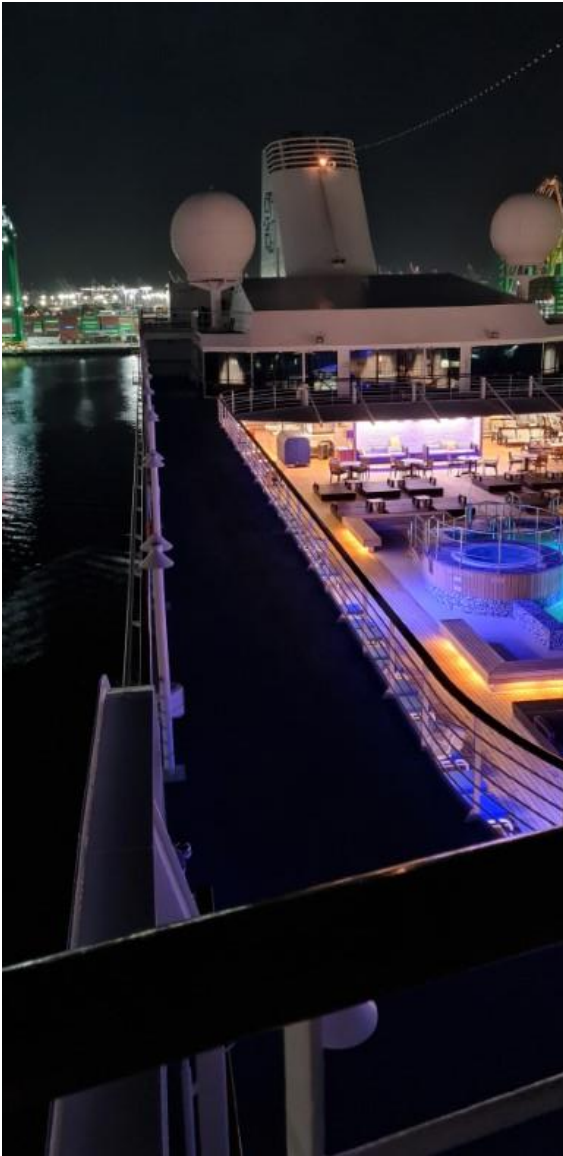


Figure 8. Jogging Track Lights Off (From Below)

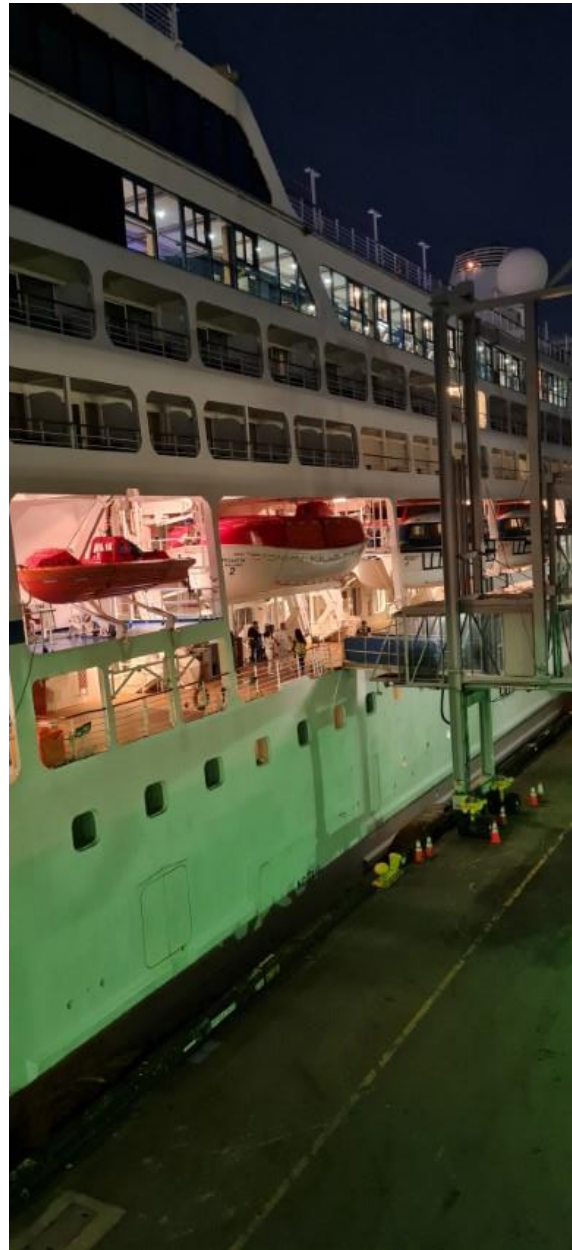


Figure 9. Jogging Track Lights On (From Below)



Figure 10. Radar Lights Off and Sun Deck Lights On (Mandatory for Safety Reasons)





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SEABIRD AWARENESS TRAINING PROGRAM

PURPOSE OF TRAINING

- Several protected species of seabirds have come aboard our ships
- Norwegian is committed to the protection of these species
- Norwegian has specific seabird protocols in place that will be followed
- All crew members need to be familiar with the issues and protocols
- There are significant legal implications if these birds are harmed, or protocols are not followed

OUTLINE

- Agency and Seabird Program Contacts
- Threatened and endangered seabird species
- Regulatory framework: State and Federal
- Definition of “Take”
- Penalties for non-compliance
- Seabird season lighting rules
- Seabird handling procedures & protocols

SEABIRDS

Threatened & Endangered



**Newell's
Shearwater**



Hawaiian Petrel



**Band-Rumped
Storm Petrel**

OTHER SEABIRDS



**White-Tailed
Tropicbird**



**Wedge-Tailed
Shearwater**



Sooty Tern

HAWAIIAN PETREL

‘U’AU



- Listed as Endangered by both U.S. & State of Hawaii
- Breeding populations on Kaua'i, Maui, Lana'i and Hawai'i
- The Hawaiian Petrel, has a dark gray head, wings, and tail, and a white forehead and belly. It has a stout grayish-black bill that is hooked at the tip, legs are pinkish, with black and pink feet. This bird measures 16-17 inches in length and has a wing span of 35-37 inches.

NEWELL'S SHEARWATER

‘A’O



- Listed as a threatened species by both the U.S. and State of Hawai‘i
- 80% world's population nests on Kaua‘i
- Also breeds on Maui, Hawai‘i and possibly Moloka‘i
- The Newell's Shearwater has an almost black head, upper wings and tail, and is white below. It has a thin narrow bill. Legs and feet are grey/black. Newell's are 12-14-inches long, and has a wingspan of 30-inches

BAND-RUMPED STORM-PETREL

‘AKE’AKE



- Listed as an endangered species State of Hawai‘i
- Breeds on Kaua‘i, Maui, and Hawai‘i
- The Band-rumped Storm-Petrel is a very small, sparrow sized seabird. It is sooty/grey brown, with a white band circling the upper tail. It has a very small stubby beak with prominent tube on the top. Legs, feet and bill are black. They are 7-8 inches long, with a wingspan of 12-16-inches.

LIGHTS, VESSELS & SEABIRDS

- Nocturnally flying seabirds are often attracted to lights
- Fledgling birds on their way to sea for the first time are often attracted to lights, and can be confused by them
- Confused birds may collide with structures, including vessels, or simply land on the ground, or ship to tired to continue flying
- Once on the ground they cannot take off again, and will die from starvation, or be killed by predators if not rescued
- Some seabirds land on vessels naturally and do not need assistance

REGULATORY SETTING

Protected Species

Federal -

The Endangered Species Act of 1973, as amended (ESA)

Migratory Bird Treaty Act (MBTA)

State of Hawai'i -

Hawaii Revised Statutes (Section 195-D)

IT IS ILLEGAL TO:

“harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct.” any species listed under any of these statutes

TAKE HOME MESSAGE

- The downing of listed seabirds as a result of interactions with lights and man-made structures may be construed as “take” under the ESA, and/or HRS 195D.
- The minimization and avoidance of “take” to the maximum extent practicable is required under both federal and State of Hawaii endangered species statutes
- Failure to do so may result in enforcement action, which may result in significant civil and criminal penalties
- Penalties include civil fines of up to \$25,000 per incident, and criminal fines of up to \$50,000, and up to one year federal imprisonment per incident.

SEABIRD SEASON

Lighting Protocols

- Between September 1 and December 15, The Pride of America will implement a light reduction plan (Seabird Seasonal Lighting Plan)
- Vessels will turn off lights identified in that plan while in port
- The reason for the reduced lighting while in port is to minimize the chance that seabirds will be attracted to the lights, become disoriented by them, and then collide with the ship or associated dock facilities

DOWNED SEABIRD

Search Protocols

- We will inspect all open and semi open decks after sunrise and after sunset each day looking for seabirds that have landed
- Downed seabirds often try to hide, make sure to check under any object that a bird might be able to hide under
- All crew members should also be aware of downed seabirds on the vessel, and report any such birds to the Environmental Officer immediately
- (DO NOT touch or approach the bird)
- Passengers should report any downed birds to reception. Reception will forward information of downed seabird immediately to the Environmental Officer.

DOWNED SEABIRD

Handling Protocols

- All downed birds will be collected by the Environmental Officer
- All birds will be handled in accordance with SMS/EOC/P024 – Seabird Protection Policy
- Data and photographs of all downed seabirds will be collected as detailed on SMS/EOC/P024 – Seabird Protection Policy
- All downed birds that do not fly off the ship unaided will be turned over to the appropriate wildlife agency personnel

PARTING MESSAGE

- Norwegian thanks you for your attention to, and assistance with this program
- Norwegian takes pride in our continued efforts to protect our oceans and the islands which we visit
- For further information please contact the Environmental Officer at 9830

SEABIRD PROGRAM CONTACTS

State Dept. Land & Natural
Resources

Thomas Kaiakapu - Wildlife Manager
(808) 274-3440

Norwegian – Director,
Environmental Operations

Sarah Ferguson-Brown
(305) 436.4349 Sbrown@nclcorp.com

Save Our Shearwaters
(SOS)Coordinator

Heather Young (808)-639-3343

Norwegian - Seabird Program
Biologist

Reginald David
(808) 329-9141 Cell (808) 937-0124
davidr003@hawaii.rr.com






NCL KSHCP Annual Report 2022 - Final_For Signature

Final Audit Report

2023-01-17

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