



Consolidated Additional Observations

This questionnaire combines all standard Additional Observation Questions in one condensed questionnaire.

1. SOx Emissions Controls
2. Ballast Water Project
3. Combustion Source Project
4. Food Waste Project
5. Sea Intake Project

Findings can be reported in the spaces provided for each item; feel free to use additional space for notes and information. Sketches, diagrams, photos of handwritten notes, or copies of schematics are welcome.

Several questions are checks on previous Additional Observations, check these against the previous observations. If a ship is required to have an additional observation project on a section below, skip the section below. For example if a combustion source project is required leave the section in this project blank.

A: General Information

Report Start Date:	Jun 14, 2018
Ocean Ranger starting report:	philip.parent
Ship Name:	Disney Wonder
Ship Code:	DWO
Is this a revision of a previous report (Y/N)?	No

1: SOx Emissions Controls

1.1 Describe the SECA compliance plan.	Ship only burns LSMGO
1.1 Completed by:	Philip Parent (philip.parent)
1.2 How does the vessel control SOX emissions in the ECA? Provide description. If the vessel used low sulfur fuels in AK describe the fuel switches and which combustion sources are operated on low fuel sulfur, and when.	Only burns LSMGO in Alaska waters and ports
1.2 Completed by:	Philip Parent (philip.parent)
1.3 Is the vessel operating or installing an exhaust gas scrubber system in the 2018 Alaska Cruise Season? If yes, complete section 1A. Otherwise skip to section 2.	No

1.a: SOx Emissions Controls

2: Ballast Water

2.1 Check the previous Additional Observation Reports (section 1.1) list of tanks used for Ballast Water storage. Including volumes and locations. List any changes.	<p>No changes from the previous report.</p> <p>Fore Peak TK: Fr-347-374 (522.9 m3) BW DB</p> <p>1 Center TK: Fr-331-348 (178.2 m3) BW DB</p> <p>2 Center TK: Fr-315-331 (43.2 m3) BW DB</p> <p>3 Center TK: Fr-299-315 (61.8 m3) BW DB</p> <p>4 Center TK: Fr- 279-299 (107.5 m3) BW DB</p> <p>5 Center TK: Fr-267-279 (94.1 m3) BW, Permeate, DB</p> <p>6 port, 6 stbd, Fr-227-263 (134.3 m3) Each. BW, Permeate, DB</p> <p>7 port, 7 stbd, Fr- 193-277 (205.5 m3) Each. BW, Permeate, DB</p> <p>8 port, 8 stbd, Fr-157-187 (182.4 m3) Each. BW, DB</p> <p>9 Stbd, Fr-117-137 (90.6 m3) BW, DB</p> <p>10 port, 10 Stbd, Fr-95-110 (95.7 m3) Each. BW, DB</p> <p>11 Center TK: Fr-59-67 (81.6 m3) BW, DB</p> <p>13 Center TK: Fr-3-19 (227.5 m3) Aft-Peak</p>
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2.1 Completed by:

Philip Parent (philip.parent)

2.2 Are ballast water tanks used for wastewater storage?

No. Only if an emergency when circumstances of the vessels trim and stability would require the Chief Officer to introduce wastewater into the ballast waster tanks.
The ship's Permeate tanks, 6 to 8 port and stbd are labeled as Permeate/ Ballast. These tanks have a independent header line from the vessels ballast tanks header line.

Philip Parent (philip.parent)

2.2 Completed by:

2.3 Ballast Water system: brief description of the combined piping system if tanks used for both.

The ballast tanks suction and discharge piping system is arranged for a common suction and discharge pipe header for each ballast tank.

There is a common header pipe line that distributes to each ballast from the sea chest intakes.

The ship's Permeate tanks, 6 to 8 port and stbd are labeled as Permeate/ Ballast. These tanks have a independent header line from the vessels ballast tanks header line.

Philip Parent (philip.parent)

2.3 Completed by:

2.4 Ballast Water treatment installation? If yes, describe operation/system specifics.

Ship will install Ballast Water Treatment system at Sept 2019 dry dock, according to Chief Officer

Philip Parent (philip.parent)

2.4 Completed by:

2.5 Ballast Water operations in AK waters (overboard intake/discharge, etc.)? Include the last date of ballast water discharges. Typically in the ballast water logs.

No ballasting operations in Alaska waters

Philip Parent (philip.parent)

2.5 Completed by:

3: Combustion Sources

3.1 Are there any changes from the previous Additional Observation projects (Section 2.1) on the propulsion system question on brief description of propulsion and power systems used on board (Diesel direct/reduction gears/PTO's DE, FP, CPP Azipod, etc.)?

No

3.1 Completed by:

Steven Chouinard (steven.chouinard)

3.2 Are there any changes from the previous Additional Observation projects (Section 1.1) on the list of the combustion equipment used for Power/Propulsion (make/model/output)?

No the latest retrofit was in 2016 when the Additional DG was added.

3.2 Completed by:

Steven Chouinard (steven.chouinard)

3.3 Are there any changes from the previous Additional Observation projects (section 3) on the incinerators make, model, fuel used, capacity?

No

3.3 Completed by:

Steven Chouinard (steven.chouinard)

3.4 Average Hotel power (kW) in port and underway?

Hotel power 7.5 MW underway or stationary.

3.4 Completed by:

Steven Chouinard (steven.chouinard)

3.5 Average fuel consumption in port and underway?

Harbor FO ~ 2 m3 / hr and Underway FO ~ 8 m3 / hr.

3.5 Completed by:

Steven Chouinard (steven.chouinard)

4: Food Waste Garbage Handling

4.1 How is food waste handled and disposed of?

The unpulpable waste is separated like skins, bones + shells. These are packed and offloaded in VAN, during the Alaska Cruise Ship Season. Soft matter is run through a pulper from the galley. Pulper directs food waste to the food storage tank. Food storage tank is evacuated outside >12nm.

4.1 Completed by:

Steven Chouinard (steven.chouinard)

4.2 Average food waste production per day (kgs/day)?

1m3 / day.

4.2 Completed by:

Steven Chouinard (steven.chouinard)

4.3 Is the food waste de-watered? If yes, provide dewatering volumes and handling information.

Pulper water separates and becomes galley GW that is discharged >4nm outside.

4.3 Completed by:

Steven Chouinard (steven.chouinard)

4.4 How are glass bottles, broken crockery, and ceramics handled?

Glassware is separated, packaged in a Gaylord box and an ash bag. Reputable vendor in VAN. receives and is manifested as USDA contaminated waste.

4.4 Completed by:

Steven Chouinard (steven.chouinard)

4.5 How is food waste monitored and/or recorded?

Garbage Record Bk., in NAPA.

4.5 Completed by:

Steven Chouinard (steven.chouinard)

5: Sea Water Intakes

5.1 List all of the seawater intakes (chests); include the locations, frame, side (PS/SB) or compartment.

Lower ER, two crossover seachests are located at Fr. #111 + Fr. #190. Frames start aft. @ 0 and increase to 403 moving fwd.

5.1 Completed by:

Steven Chouinard (steven.chouinard)

5.2 List filtration systems for each intake. Describe how filter systems are maintained. What is the frequency of cleaning? Is this performed in Alaska?

Basket strainers for each seachest. Cleaning frequency is weekly, changed over and maintenance tasks are done by ships staff.

5.2 Completed by:

Steven Chouinard (steven.chouinard)

5.3 How is debris and mud from filtration/strainers handled?

Incinerated.

5.3 Completed by:

Steven Chouinard (steven.chouinard)

5.4 Marine Growth Protection Systems in the sea intakes. Description of the control systems and information on chemicals if used.

No chemicals injected. Cathelco - charged probes, equipment monitoring for correct settings.

5.4 Completed by:

Steven Chouinard (steven.chouinard)

5.5 Hull cleaning in place in Alaska 2018?

Hull cleaning is done in VAN. Inspections may take place in AK ports.

5.5 Completed by:

Steven Chouinard (steven.chouinard)

6: General

6.1 Is vessel crew cooperative on this project?

Yes

6.1 Completed by:

Steven Chouinard (steven.chouinard)

6.2 Do you feel the vessel has a clear understanding of compliance requirements?

Yes

6.2 Completed by:

Steven Chouinard (steven.chouinard)

6.3 Are there other remarks/ comments the OR wants to share?

This Consolidation Report was done entirely during IP's. Personally, I obtained the assistance of the C/E, Staff C/E + the EO. Participation could not have been any better for Sect.s 3-6.

6.2 Completed by:

steven.chouinard

Z: Signature & Submit

Ocean Rangers contributing to this report:

Philip Parent (philip.parent)
Steven Chouinard (steven.chouinard)

A handwritten signature in black ink, consisting of two stylized, overlapping letters that appear to be 'P' and 'P'.