



CROWLEY®

STATE OF ALASKA
OCEAN RANGER PROGRAM - ADEC

OCEAN RANGER DAILY REPORT

Revision D – 6/15/08

1) Are there any potential non-compliant issues in the below report? (If yes, report will be expedited to allow immediate follow-up from ADEC):	No
2) Did you have sufficient time today - observing in the non-passenger areas to accurately complete the checklist?	Yes

If NO for question 2 - list the time you were allowed in the non passenger spaces and the explanations from the cruise lines why your request for additional time was denied.

OTHER SECTIONS COMPLETED:

Section A: No	Section B: Yes	Section C: No
Section D: No	Section E: No	

Ocean Ranger Signature:

APPROVALS:

Crowley - Approved By: -----	Crowley Approval Date 8/3/2008
ADEC - Approved By: -----	ADEC - Approval Date 8/19/2008

SHIP INFORMATION:

Cruise Line	-----	Ranger Report No.	---073008
Ship Code Name	-----	Date	7/30/2008
Advanced Water System?	Yes	Type:	Hamworthy
Date of Boarding	7/13/2008		

OCEAN RANGER INFORMATION:

Name: -----	Employee Number
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PRE-INSPECTION:

1) Does ship discharge in Alaska waters?	Yes	5) Reviewed Non-hazardous Solid Waste Offloading and Disposal Plan	
2) Reviewed any outstanding non-compliant or open items from previous ocean ranger (pick up sealed envelope from environmental engineer)		6) Reviewed Hazardous Waste and Substance Offloading Plan	
3) Confirmed that there is no recent history of norovirus outbreaks - check on http://www.cdc.gov/nceh/vsp/surv/GIlist.htm -		7) Reviewed Discharge Permit	
4) Reviewed ship Vessel Specific Sampling Plan (VSSP)			

MEET WITH SHIP'S STAFF

	Met With Staff Member?	Name
Environmental Officer	Yes	-----
Chief Engineer		
Staff Captain		
Chief Officer		

Notes:

SECURITY

OR had Security Awareness Briefing		Any current security threats?	No
Vessel Security Plan Briefing Y/N (house rules & emer. briefing for contractors making voyage on ship)		Select current MARSEC level	MARSEC Level I

Notes:

SHIP TOUR

C = Compliant
 O = Open Item
 N = Potential Non-compliance

1. Garbage handling and recycling	C	11. Bunkering stations, if applicable. Note: cruise ships rarely take on fuel in Alaska. Note: Bunkering manifolds are usually co-located with the sewage pump out manifold.	C
2. Hazardous waste processing including pesticides, photo labs, and dry cleaning	C	12. Stack emissions minimization and monitoring	C
3. Hazardous waste and tank storage / container strategy	C	13. Ballast discharge, if any.	C
4. Medical facilities and	C	14. Overboard piping,	C

bio-hazard handling		valves, and overboard valve monitoring systems	
5. Sewage and graywater treatment and discharge, including tank storage (ship) systems note: request that AWWTS operator accompany observer during observation / tracing of the system. (dischargers only) For non dischargers, review the tank storage plan and valve locking and discharge regime.	C	15. Boiler blow down and chemical treated cooling water handling if applicable.	C
6. Observe overboard valve operation and crossover piping regime (if applicable)	C	16. On board wastewater sampling, if any	C
7. Waste incineration and sludge handling (including biosolids)	C	17. General condition of sample valves	C
8. Sanitation in food preparation areas	C	18. Spot check records related to these programs including discharge logs and SMS	C
9. Production and handling of potable water	C	19. Oil and grease from topside equipment (winches, motors, etc.) housekeeping, pools, and lifeboat material condition.	C
10. Oily water separator (OWS)	C		

Notes:

DAILY CHECKS AT SEA

Vessel Location: **Enr. Juneau, enr. Skagway**

1. Accompany the environmental officer on daily rounds	Yes	7. Accompany any engineer on his/her maintenance round to witness service and maintenance of MSD systems	Yes
2. Observing the daily wastewater lab analysis by the environmental officer (Princess only)	Yes	8. Overboard discharge valves verified closed and sealed - (includes boiler blowdown valves) Overboard valve from advanced treatment system is not sealed.	Yes
3. Cross checking automated overboard discharge alarm records against log entries made in the Oil Discharge Record Book and the State of Alaska Blackwater and Graywater Discharge Record book.	Yes	9. Record tank levels of head tanks for "Oil to Sea Interface" areas (stern tubes, bow and stern thruster seals, fin stabilizer seals, etc.)	Yes
4. Checking to ensure that wastewater outflow quality monitors, if installed, are functioning properly. (Effluent monitors, usually turbidity monitors, at pre-set detection readings, will stop over board discharge and redirect the effluent to a tank or back through the wastewater treatment system.)	Yes	10. Check ship daily logs and reports for any discharges, maintenance, repairs, or addition of oil to "oil to sea interface" head tanks. <ul style="list-style-type: none"> • Discharge report: ballast water, solid waste, black water, gray water, other • Machinery reports AWP, MSD, OWS, Incinerator, Commutator, Compactor, other 	Yes Yes Yes
5. Observing any non-routine or non-automatic discharges (oily water separator discharge, ballast , or any discharges through valves that are usually locked)	No	11. Air Emissions meet 18AAC50 - Opacity monitoring system (recorders and alarms working)	Yes
6. Tracing-out all overboard discharge systems - from input through treatment to overboard valve - to ensure the system functions according to the manufacturers instructions.	Yes		

Notes for Daily at Sea Checks:

#5-no non routine or non auto discharges

DAILY CHECKS IN PORT

Vessel Location **Juneau**

1. Waste management and waste offload and condition of the off load pallets and other carriers. Review manifests and pickup arrangements.	No	6. Observe discharge of wastewater to shore connection (volume/procedures) (Normally only done at the South Franklin Dock in Juneau for Graywater)	No
2. If the ship is at anchor, initial boat lowering and operations	No	7. Observe repairs, maintenance, cleaning and other operations that may affect the wastewater treatment plant effluent quality. (example - back flush cleaning with chemicals)	No
3. Potable water hookups. Are they according to procedures for ship and the supplier. (see OR guidebook attachment 9)	Yes	8. Was a sampling event conducted by vessel operators, contractors, ADEC, or Coast Guard	No
4. Observe special actions to prevent spills, overflows of tanks, etc.	No	9. Was Ocean Ranger present during the sampling event - (required that ocean ranger be onboard for ADEC and USCG sampling events)	No
5. Observe wastewater sampling by contractor is done.	No		

Comments on Sampling Event

Was there a hazardous waste offload event?	No
Was there a non-hazardous waste offload event?	No
The harbors, landfills, or other offloading or disposal facilities in the state used: and whether the off-load was compatible with the non-hazardous solid waste offloading and disposal plan filed as required by 18ACC69.035	

The harbors, landfills, or other offloading or disposal facilities in the state used: and whether the off-load was compatible with the hazardous waste and substance offloading plan filed as required by 18ACC69.040	
Name and address of each contractor used for offloading	
Estimate of volume of each waste type	
Offloading or disposal method	
Describe the controlled storage, processing, or disposal facilities or treatment used	
Describe the vessel crew training in offloading procedures	
Number on the provided material safety data sheet (MSDS) if applicable	

Notes for Daily in Port Checks:

DISCHARGE SHIPS

At Sea Checks

Number of Passengers and Crew currently onboard	3961
The daily estimated volume of discharge by type;	continuously discharged permeate: 213.6m3
Description of how the daily volume by discharge type was estimated	metered
Time/date expressed in a 24-hour clock format at the beginning and end of each vessel route	7/30/08 0000-0449 1049-1410 2200-2400

In Port Checks

The daily estimated volume of discharge by type; (Gray & Black water)	continuously discharged permeate: 164.6m3
Description of how the daily volume by discharge type was estimated	metered
Time/date expressed in a 24-hour clock format at the beginning and end of port call	7/30/08 1400-2200
Estimate average flow rate for (Gray & Black) water	20.6m3/hr

Notes for Discharge Ships

Vessel retained permeate in onboard tanks while cruising Tracy Arm

LOG OF OCEAN RANGER EVENTS OF THE DAY

Vessel in AK waters all day. Inport Juneau from 1400-2200. Met w/EO for daily rounds. Reviewed GW/BW log and recorded data, reviewed vessel docs and made inspections required for Sec. B. Met w/EO and 2 engineers from Juneau Dept. of Public Works and one from Franklin Pier for walk thru of AWWTS.

BLACK AND GRAY WATER SYSTEMS – SECTION B

Gray Water System

Checked that Ships Discharge Log book - up to date and complete	Yes
Checked if prohibited Sources (hazardous materials, bilges, photo shop & print shop if hazardous wastes are commingles, hospital spaces (U.S. Only), etc)	Yes
Checked for evidence of other drained fluids into scuppers or other entry points (photo lab, hospital, specialty spaces)	Yes
Checked drains from spaces containing machinery (fan rooms, hotel equipment, etc.) oil free or segregated	Yes
Checked connections to the Black Water System (if permitted in MSD Operation Manual, if so, is MSD capacity sufficient?)	Yes
Checked connections to Ballast Water System	Yes
Number of Gray Water Tanks	30
Total tank capacity M3	1657
Volume Produced M3/day	450
Maximum number of days in port without discharging	4
Checked current capacity sufficient for persons on board and time in port?	Yes
Checked vessel's gray water handling procedures (SMS)	Yes
Checked that Quality Assurance / Quality Control Plan is available	Yes
Is Gray water processed and discharged?	Accommodations yes, Galley and laundry no
Gray water disposal procedures. Shore and at Sea (company policy)	All accom. GW goes thru AWWTS and is discharged as per

	Discharge Permit, galley and laundry water retained in onboard tanks while in AK waters.
Checked vessel's sampling procedures (if any)	Yes
Types of test performed, equipment, and useable testing supplies readily available	TSS, fecal coliform, free & total chlorine, pH
Check how often do they take samples? Review samples record book	Yes
Checked state, federal and local regulations for gray water discharge	Yes
Responsible crew interviewed	Yes
Checked disposal Records	Yes
Checked Shore (receipts available)	Yes
Checked at sea (logs maintained)	Yes
Checked sampling/Testing (logs maintained)	Yes

Notes on gray water

Black Water System

Checked sources of black water	Yes
Toilets, Urinals, scuppers	Yes
Checked drainage from medical premises (U.S. restriction)	Yes
Checked that black water system installed, maintained and operated in accordance with approved plans and manufacturers specifications.	Yes
Checked Tank Capacity and Volume produced	Yes
Checked Current volume in tanks	Yes
Checked that Modifications are documented	Yes
Operations and Treatment	Yes
Checked Chemical/Biological treatment & protective equipment	Yes
Checked Chemical Treatment level	Yes
Checked for sufficient chemicals, additives, approved cleaning materials onboard (enzymes, "Gamazyme" chlorine)	Yes
Checked that compressors operating, inlet filters maintained	Yes
Checked that vacuum system operable, if applicable	Yes
Checked that flow indicators clear - indicating flow	Yes
Checked when the last system cleaning occurred	Yes
Checked the macerator operating maintenance	Yes
Checked on methods to dilute discharge	Yes
Checked operating instructions / SMS procedures	Yes
U.S. Marine Sanitation Device Requirements	Yes
MSD Type	Type II
Checked Nameplate (should be designed to resist efforts of removal)	Yes

or efforts to alter the information)	
Checked Certificate of Type Test. For Foreign Flag Vessels in U. S. Waters A foreign flag vessel that has a "Certificate of Type Test" under MARPOL Annex IV indicating that its sewage treatment plant meets the test requirements of Resolution MEPC.2 (VI) of the International Maritime Organization (IMO) will be accepted by the Coast Guard as being in compliance with 33 CFR 159.7(b) or (c). The Certificate of Type Test must be issued by or on behalf of a government that is a party to the MARPOL convention. Such a plant will be considered as fully equivalent to a Coast Guard certified Type II MSD as long as the unit is in operable condition. However, the unit may not be labeled as USCG certified. U.S. registered vessels will continue to be required to have Coast Guard certified MSDs per 33 CFR 159.	Yes
Checked Proper operation (macerators, treatment chemicals) and structural integrity, no leaks	Yes
Checked Placard is present	Yes
Maintenance	Yes
Check maintenance Records / Logs	Yes
Checked one line diagram of operation	Yes
Checked if there are any modifications to system	Yes
Checked that routine testing done and logged	Yes
Check any work in progress	Yes
Check test results within required limits	Yes
Sampling / Testing	Yes
Check Lab analysis of fecal coliform / total suspended solids in effluent	Yes
Check results of residual chlorine content in effluent testing	Yes
Checked calibration records for dosing pump / proportioner	Yes
Discharges	Yes
Vessel has an advanced System - continuous discharge?	Yes
Discharge Locations	Discharge port A
Checked sampling of effluent during discharge operations	Yes

Notes/Findings on Blackwater