

# STATE OF ALASKA

**DEPT. OF ENVIRONMENTAL CONSERVATION**  
**DIVISION OF WATER**  
**CRUISE SHIP PROGRAM**

**SEAN PARNELL, GOVERNOR**

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September 8, 2009

George Wright  
Sr. Vice President, Marine Operations  
Princess Cruises  
24200 Magic Mountain Parkway  
Santa Clarita, CA 91355-1283

Re: Interim Source Reduction Evaluation Report – Due September 30, 2009

Dear Mr. Wright:

Per Section 1.9 of the Large Commercial Passenger Vessel Wastewater Discharge Permit number 2007DB0002, a permittee that has been approved to discharge under the interim discharge limits is required to submit a Source Reduction Evaluation (SRE) report. This is an evolving process. Therefore, the Alaska Department of Environmental Conservation (DEC) periodically requests information from the cruise industry to track progress on their SRE efforts. Princess most recently provided information to DEC on April 30, 2009. In that update, Princess committed to providing DEC with a progress report on September 30, 2009.

Princess should submit an update of the remaining SRE efforts to DEC. This report should include, at a minimum, the following information. The response should clearly indicate whether the answer is for Princess fleet wide operations and/or when there are specific differences for a particular vessel.

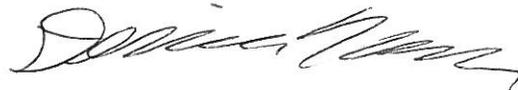
**Additional Information Required in Interim SRE Report Due September 30, 2009**

1. Are Princess vessels still using Hepburn Bio Care products aboard the ships?  
Are any other environmentally friendly cleaning products used on board?
2. Identify the average volumes of drinking water that is produced versus bunkered for 2009.

3. During the 2009 season, did Princess make any operational changes to its potable water sourcing versus producing its own distilled potable drinking water aboard each ship?
4. Please provide additional information regarding the newly implemented water conservation program.
5. Princess indicated that efforts would be made during 2009 to determine if the ports that supply the potable water can review the types of metals in which the valves and piping materials are used to supply the bunkered potable water to the ships. What were the results of the efforts? Please be specific per port.
6. Princess performed an initial survey on the Golden Princess to assess the level of ammonia present in different influent streams and to reduce the level of ammonia from the Hamworthy wastewater treatment system effluent. Please verify the level of ammonia found in the different influent streams. The information contained in the April 30, 2009 letter did not match the information in Attachment 2. For example, the black water was listed as having a maximum ammonia concentration of over 2,000 mg N/l but the highest value that I saw was 1,456 mg N/l. I want to be sure that I am viewing the correct data set.
7. Please summarize any additional findings of the Hamworthy Phase I trial and provide DEC with any details and plans for Phase II. Include information related to installation of any new equipment or conversion of existing equipment (e.g. tanks) for a new purpose.
8. Were any changes in equipment or operations made to other Princess vessels as a result of the information that Princess learned on the Golden Princess?

DEC looks forward to the September 30, 2009 Princess update to learn more about efforts that your company has taken to protect Alaska's environment.

Sincerely,



Denise Koch  
Program Manager

Cc: Lynn Kent, ADEC/Water/Director's Office  
Albert Faure, ADEC/Water/CPVEC  
Ed White, ADEC/Water/CPVEC

Scott Merry, ADEC/Water/CPVEC  
Ruth Hamilton Heese, ADOL, Juneau