

Cruise Ship Waste Water Science Advisory Panel (SAP)

Document Summary

	February Binder Content February 2010 Meeting Handouts June 2010 Meeting Handouts Email Attachments Website
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Laws & Regulations

Ballot Measure 2 Cruise Ship Initiative	X		X		X
House Bill 134	X		X		X
18.AAC.69 Wastewater Regulations	X				X
Ballot Measure 2 Cruise Ship Initiative	X				X
Alaska Statute 46.03.460-490	X				X
Article XIV Federal Regs on Certain AK Cruise Ship Operations	X				X
18.AAC.70 Water Quality Standards	X				X
18.AAC.50.70					X
18.AAC.50.235					X
18.AAC.50.240					X
18.AAC.15					X

Water Quality Criteria

AWQC Manual for Toxics and Other Deleterious Substances	X				X
Water Quality Standards Home Page		X			X
AK Water Quality Standards and Parameters of Concern		X			X
EPA Ambient Water Quality Criteria for Copper - 1984					X
EPA Ambient Water Quality Criteria for Ammonia (Saltwater) - 1984					X
EPA Ambient Water Quality Criteria for Zinc - 1987					X
EPA Ambient Water Quality Criteria for Nickel - 1987					X

Miscellaneous

Work of the first advisory panel: Loehr et al				X	
Statement from Responsible Cruising in Alaska			X		
Royal Caribbean Cruise Lines 2009 Stewardship Report				X	
ACA Bunker Water Metals Report and Data				X	
Email comments from Juha dated 8/31/2010				X	
2010 Port Visits and Passenger Counts				X	
Commercial Passenger Vessel Excise Tax				X	
Alaska_SeaLife_Report_2000				X	
Holland America Line DVD Instructions			X		X
Functional Description of ROCHEM from Carnival Spirit			X		
Unsolicited data send to OASIS from Mariposa PUD				X	
Memo prepared by Lincoln Loehr: A comparison between permit requirements and performance of Alaskan coastal community wastewater treatment systems and cruise ship discharges with Advanced Wastewater Treatment Systems; September 24, 2010				X	
Memo prepared by Lincoln Loehr: Ammonia concentrations depend on the amount of blackwater treated; September 24, 2010				X	
Memo prepared by Wei Chen: Hamworthy Waste Water Systems Limited; not dated.				X	

Meeting Handouts - List

February 1, 2010 Meeting

Meeting Summary 02-01-2010
Spreadsheet of Panel requests for Data from Feb 2010 meeting
02-01-10 Draft SAP Charter Revision 3
2008 Large Cruise Ship Wastewater Sample Spreadsheet
Water Quality Standards Home Page
AK Water Quality Standards and Parameters of Concern
CPVEC Sample Data Presentation

June 10-11, 2010 Meeting

Agenda for 06-10-2010 Meeting
Final SAP Charter
SAP Final Report Outline
2010 Cruise Ship FINAL Information Sheet
2010 Cruise Ship FINAL General Permit Sheet
SRE Part 1
SRE Part 1 Slides
SRE Part 2
SRE Part 2 Slides
SRE Summary
Major NPDES Final
Technology Data
System Specific Effluent Limits
Princess Wastewater Discharge Data
Holland America Line DVD Instructions
Publicly-owned WWTP and Section 301(h) Program Rev 1
Municipalities Compared to Cruise Ships for Selected Pollutants
Timelines for cruise ships for CSHB 134
Ship Final Permit Limits and Municipal Wastewater Treatment Plants with
Marine Outfalls Permit Limits
Feasibility Study
The Final Feasibility Study Report
Gold Standard Technology PowerPoint
Statement from Responsible Cruising in Alaska
Functional Description of ROCHEM from Carnival Spirit

Document Distributed in Email Attachments

1. September 8, 2010 1:42PM

- Strawman Agenda October 2010 Meeting (docx)
- Agenda 090910 Telecon (docx)
- 6-10-10 Draft SAP Meeting Summary and Data Requests SR comments (docx)
- Work of the first advisory panel: Loehr et al *The significance of dilution in evaluating possible impacts of wastewater discharges from large cruise ships* (pdf)
- ACA Bunker Water Metals Report (pdf)and Data (xls)
- Royal Caribbean Cruise Lines 2009 Stewardship Report (pdf)
- Email comments from Juha dated 8/31/2010 (email)
- Unsolicited data send to OASIS from Mariposa PUD (pdf)

2. September 27, 2010 10:48 AM

- Memo prepared by Lincoln Loehr: A comparison between permit requirements and performance of Alaskan coastal community wastewater treatment systems and cruise ship discharges with Advanced Wastewater Treatment Systems; September 24, 2010 (doc)
- Memo prepared by Lincoln Loehr: Ammonia concentrations depend on the amount of blackwater treated; September 24, 2010 (doc)
- Memo prepared by Wei Chen: Hamworthy Waste Water Systems Limited; not dated. (doc)

3. September 27, 2010 1:27 PM

- Comparison of SRE and VSSP data to parameters of concern results (xls)
- DEC Cruise Program Fees (docx)
- 2010 Port Visits and Passenger Counts (docx)
- Commercial Passenger Vessel Excise Tax (pptx)
- 9 23 10 OASIS ADEC SRE Summary piping water systems v2 (doc)
- Alaska_SeaLife_Report_2000 (pdf)

4. September 27, 2010 3:51 PM

- SAP Strawman Report Outline (doc)

5. September 28, 2010 12:46 PM; FW: information about piping on vessels CEL RCL Fleet

- ADEC CPVEC preliminary request for supplemental information, RCL CEL SRE Report (16 09 RCL ADEC 1 27 09 ADEC RCL CEL Preliminary Questions SRE 1 14 2009 Rev 1.doc)