

2008 Semimonthly General Permit Sample Results														
Company	Vessel	Treatment System	Wastewater Type	Sample Date	Type	mg/L	µg/L	µg/L	µg/L	S.U.	col. per 100 ml	mg/L	mg/L	mg/L
						Ammonia	Copper	Nickel	Zinc	pH	Fecal Coliform	TSS	BOD	Chlorine
ND= Non-detect														
Carnival	Spirit	Rochem BIP	Graywater	May, June	No Discharge									
Carnival	Spirit	Rochem BIP	Graywater	7/19/2008	CC	ND	ND	ND	3.99	7.2	ND	ND	4.9	ND
Carnival	Spirit	Rochem BIP	Graywater	7/26/2008	UA	ND	ND	ND	9.29	9.2	ND	ND	3.79	ND
Carnival	Spirit	Rochem BIP	Graywater	8/2/2008	UA	0.42	0.86	ND	6.93	6.6	4.92	ND	4.68	ND
Carnival	Spirit	Rochem BIP	Graywater	8/16/2008	CC	0.48	0.39	ND	5.1	7.2	ND	ND	6.71	ND
Carnival	Spirit	Rochem BIP	Graywater	9/12/2008	UA	ND	0.7	ND	5.36	7.3	ND	ND	5.02	ND
Carnival	Spirit	Rochem BIP	Graywater	9/19/2008	CC	ND	1.18	ND	9.96	7.5	ND	ND	10.3	ND
Celebrity	Infinity	Zenon	No Discharge	2008	No Discharge	NA	NA	NA	NA	NA	NA	NA	NA	NA
Celebrity	Millennium	Hydroxyl	No Discharge	May, June	No Discharge									
Celebrity	Millennium	Hydroxyl	No Discharge	7/28/2008	CC	4.6	2.3	15.8	65.3	7.5	210	ND	3.7	0.1
Celebrity	Millennium	Hydroxyl	No Discharge	August, Sept	No Discharge									
Holland America	Oosterdam	Rochem	No Discharge	2008	No Discharge	NA	NA	NA	NA	NA	NA	NA	NA	NA
Holland America	Ryndam	Zenon	Mixed	5/9/2008	CC	0.44	18.2	17	63.7	7.4	ND	ND	ND	ND
Holland America	Ryndam	Zenon	Mixed	5/16/2008	CC	1.4	22.2	14.3	75.1	7.2	ND	ND	ND	ND
Holland America	Ryndam	Zenon	Mixed	5/26/2008	UA	2	31	19	110	6.9	ND	ND	ND	ND
Holland America	Ryndam	Zenon	Mixed	6/13/2008	CC	1.3	16.2	14.1	75	7.2	ND	ND	ND	ND
Holland America	Ryndam	Zenon	Mixed	6/20/2008	CC	ND	21.7	11.7	80.7	7	ND	ND	ND	ND
Holland America	Ryndam	Zenon	Mixed	7/11/2008	CC	ND	26.6	14	84.4	6.9	ND	ND	2.9	ND
Holland America	Ryndam	Zenon	Mixed	7/18/2008	CC	0.63	12.8	11.1	81.4	7.2	ND	ND	ND	ND
Holland America	Ryndam	Zenon	Mixed	8/1/2008	CC	0.93	20.3	13.9	80.6	7.1	ND	ND	ND	ND
Holland America	Ryndam	Zenon	Mixed	8/15/2008	CC	10	16	11	64	7.1	ND	ND	3.8	ND
Holland America	Ryndam	Zenon	Mixed	8/22/2008	UA	16	6.9	11	69	7.4	ND	2	ND	ND
Holland America	Ryndam	Zenon	Mixed	9/5/2008	CC	6.2	12	11	72	7.2	ND	ND	ND	ND
Holland America	Ryndam	Zenon	Mixed	9/12/2008	CC	3.9	8.5	10	15	7.3	ND	ND	ND	ND
Holland America	Statendam	Zenon	No Discharge	May	No Discharge									
Holland America	Statendam	Zenon	Mixed	6/23/2008	UA	13	ND	13	1.7	7.5	ND	ND	8	ND
Holland America	Statendam	Zenon	Mixed	6/30/2008	CC	4.8	ND	6.01	3.1	7.3	ND	ND	5	ND
Holland America	Statendam	Zenon	Mixed	7/14/2008	CC	24	ND	14.3	4.75	7.7	ND	ND	17.3	ND
Holland America	Statendam	Zenon	Mixed	7/28/2008	CC	16	1.12	13.9	5.96	7.6	ND	ND	12.9	ND
Holland America	Statendam	Zenon	Mixed	8/11/2008	CC	10	ND	17	2.2	7	ND	ND	34	ND
Holland America	Statendam	Zenon	Mixed	8/18/2008	UA	11	1.5	15	5.3	7.1	28	ND	18.4	ND
Holland America	Statendam	Zenon	Mixed	9/1/2008	CC	27	3.2	14	7	7.4	ND	ND	28.9	ND
Holland America	Statendam	Zenon	Mixed	9/8/2008	CC	10	2.6	17	4.8	7.5	ND	ND	23.3	ND
Holland America	Veendam	Zenon	Mixed	5/11/2008	CC	24	9.53	12.4	69.2	7.5	ND	ND	2.2	ND
Holland America	Veendam	Zenon	Mixed	5/21/2008	UA	8.2	8	12	63	7.4	ND	ND	3.15	ND
Holland America	Veendam	Zenon	Mixed	5/27/2008	CC	16	7.15	14	101	7.5	ND	ND	ND	ND
Holland America	Veendam	Zenon	Mixed	6/3/2008	CC	6	8.56	13.6	110	7.3	ND	ND	ND	0.1
Holland America	Veendam	Zenon	Mixed	6/17/2008	UA	7.5	8.7	10	140	7.4	ND	ND	3.2	ND
Holland America	Veendam	Zenon	Mixed	7/1/2008	CC	8.2	8	12.4	76.4	7.3	ND	ND	ND	ND
Holland America	Veendam	Zenon	Mixed	7/8/2008	CC	12	7.67	13.3	108	7.3	ND	ND	ND	ND
Holland America	Veendam	Zenon	Mixed	7/15/2008	CC	15	5.21	8.84	77.3	7.1	ND	ND	ND	ND
Holland America	Veendam	Zenon	Mixed	7/22/2008	UA	6.2	4.1	10	71	7.2	ND	1.6	ND	ND
Holland America	Veendam	Zenon	Mixed	8/5/2008	CC	11	3.44	10.5	97.1	7.4	ND	ND	2.7	ND
Holland America	Veendam	Zenon	Mixed	8/19/2008	CC	12	6.4	17	63	7.3	ND	ND	ND	ND
Holland America	Veendam	Zenon	Mixed	9/2/2008	CC	11	4.1	12	57	7.4	ND	ND	ND	ND
Holland America	Veendam	Zenon	Mixed	9/16/2008	CC	8.8	6.2	12	71	7.4	ND	ND	ND	ND
Holland America	Volendam	Zenon	No Discharge	May	No Discharge									
Holland America	Volendam	Zenon	No Discharge	June	No Discharge									
Holland America	Volendam	Zenon	Mixed	7/2/2008	CC	2.4	16.7	14.8	95.5	7.3	ND	ND	ND	ND
Holland America	Volendam	Zenon	Mixed	7/10/2008	UA	11	4.9	10	60	7.3	ND	ND	ND	ND
Holland America	Volendam	Zenon	Mixed	8/7/2008	CC	36	6.6	20	44	7.3	ND	ND	ND	ND

Explanation of color codes	
	Exceedance of interim limits only
	Exceedance of long-term limits
	Discharging only treated graywater
	Non Discharger in Alaska in 2008

Results from 2008 Discharge monitoring reports and attached sample results, all sample results taken while discharging and in Alaska

<b>Ammonia</b>		<b>Copper</b>	
interim (mg/L)	long term (mg/L)	interim (µg/L)	long term (µg/L)
80.4	2.9	66	3.1
<b>Nickel</b>		<b>Zinc</b>	
interim (µg/L)	long term (µg/L)	interim (µg/L)	long term (µg/L)
180	8.2	230	81
<b>pH</b>		<b>Biological oxygen demand (BOD)</b>	
Minimum	Maximum	Maximum	Monthly Average
6.5	8.5	60 mg/L	30 mg/L
<b>Fecal Coliform</b>			
Maximum	Monthly Average		
43/ 100 ml	14/ 100 ml		
<b>Total Suspended Solids (TSS)</b>		<b>Total Residual Chlorine</b>	
Maximum		Maximum	
150 mg/L		0.0075 mg/L	

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Company	Vessel	Treatment System	Wastewater Type	Sample Date	Type	mg/L	µg/L	µg/L	µg/L	S.U.	col. per 100 ml	mg/L	mg/L	mg/L
						Ammonia	Copper	Nickel	Zinc	pH	Fecal Coliform	TSS	BOD	Chlorine
Total Residual														
Holland America	Volendam	Zenon	Mixed	8/21/2008	CC	46	4.7	11	46	7.3	ND	ND	ND	ND
Holland America	Volendam	Zenon	Mixed	8/27/2008	UA	24	5.7	10	37	7.2	ND	ND	ND	ND
Holland America	Volendam	Zenon	Mixed	9/4/2008	CC	28	4.7	11	31	7.3	ND	ND	4.6	ND
Holland America	Volendam	Zenon	Mixed	9/10/2008	CC	23	3.9	9.1	ND	7.3	ND	ND	ND	ND
Holland America	Westerdam	Rochem	Some GW mixed	5/14/2008	CC	36	ND	5.97	124	7.4	ND	ND	20.9	ND
Holland America	Westerdam	Rochem	Some GW mixed	5/28/2008	CC	130	6.47	4.69	47.2	7.6	2	ND	47.9	ND
Holland America	Westerdam	Rochem	Some GW mixed	6/4/2008	UA	100	1	3.8	23	7.6	2	ND	13.2	ND
Holland America	Westerdam	Rochem	Some GW mixed	6/11/2008	CC	130	4.45	8.85	501	7.7	2	ND	16.5	ND
Holland America	Westerdam	Rochem	No Discharge	7/9/2008	No Discharge									
Holland America	Westerdam	Rochem	Some GW mixed	7/16/2008	CC	69	1.31	5.29	36.5	7.2	ND	ND	41.3	ND
Holland America	Westerdam	Rochem	Some GW mixed	8/6/2008	CC	57	ND	4.21	39.5	7.5	2	ND	4.3	ND
Holland America	Westerdam	Rochem	Some GW mixed	8/7/2008	UA	67	2.6	6.3	62	7.5	ND	1	2.8	ND
Holland America	Westerdam	Rochem	Some GW mixed	8/13/2008	CC	63	3.8	4.8	44	7.3	ND	ND	2.8	ND
Holland America	Westerdam	Rochem	Some GW mixed	9/3/2008	CC	130	5.6	6.9	44	7.6	ND	ND	ND	ND
Holland America	Westerdam	Rochem	Some GW mixed	9/17/2008	CC	110	2.9	8.1	12	7.3	ND	ND	126	ND
Holland America	Zaandam	Zenon	Mixed	5/14/2008	CC	2.4	52	11.8	99.5	7.3	ND	ND	ND	ND
Holland America	Zaandam	Zenon	Mixed	5/22/2008	CC	12	6.93	9.4	103	7.4	ND	ND	ND	ND
Holland America	Zaandam	Zenon	Mixed	6/5/2008	CC	18	6.16	12.4	108	7.4	ND	ND	ND	ND
Holland America	Zaandam	Zenon	Mixed	6/11/2008	UA	2.2	5.1	6.7	97	7.4	ND	ND	ND	ND
Holland America	Zaandam	Zenon	Mixed	6/19/2008	CC	11	3.49	11.3	30.5	7.6	ND	5	15.2	ND
Holland America	Zaandam	Zenon	Mixed	7/9/2008	CC	5.9	7.81	10.1	51.5	7.5	ND	ND	2.5	ND
Holland America	Zaandam	Zenon	Mixed	7/17/2008	CC	12	8.28	12	59.7	7.4	ND	ND	4.8	ND
Holland America	Zaandam	Zenon	Mixed	8/14/2008	CC	19	6.4	10	60	7.4	ND	ND	2.2	ND
Holland America	Zaandam	Zenon	Mixed	8/15/2008	UA	24	6.2	8.6	68	7.4	ND	ND	2.9	ND
Holland America	Zaandam	Zenon	Mixed	8/28/2008	CC	11	6.6	8.4	58	7.5	ND	ND	2.3	ND
Holland America	Zaandam	Zenon	Mixed	9/3/2008	CC	1.7	11	9.8	61	7.1	ND	ND	ND	ND
Holland America	Zaandam	Zenon	Mixed	9/11/2008	CC	6.4	3.8	6	3.2	7.5	ND	ND	ND	ND
Norwegian	Pearl	Scanship	Mixed	5/6/2008	CC	49	18	6.1	98	6.6	ND	ND	6.3	ND
Norwegian	Pearl	Scanship	Mixed	5/13/2008	CC	18	9.2	6.91	94.4	6.2	ND	5	3.9	ND
Norwegian	Pearl	Scanship	Mixed	6/3/2008	UA	27	5.7	4	67	6.7	ND	2.4	2.1	ND
Norwegian	Pearl	Scanship	Mixed	6/17/2008	CC	38	19.3	9.43	50.3	6.8	8	7	3.46	ND
Norwegian	Pearl	Scanship	Mixed	6/24/2008	CC	23	4.84	5.74	105	6.8	ND	6	13	ND
Norwegian	Pearl	Scanship	Mixed	7/15/2008	CC	26	9.43	6.06	54.7	6.8	ND	ND	3.2	ND
Norwegian	Pearl	Scanship	Mixed	7/22/2008	CC	25	3.53	3.47	67.1	6.8	ND	6	3.2	ND
Norwegian	Pearl	Scanship	Mixed	8/12/2008	CC	34	6.9	5.1	110	6.7	ND	ND	2.9	ND
Norwegian	Pearl	Scanship	Mixed	8/19/2008	CC	41	12	4.9	110	6.5	ND	ND	3	ND
Norwegian	Pearl	Scanship	Mixed	9/2/2008	UA	27	8.5	3.8	73	6.8	ND	7	ND	ND
Norwegian	Pearl	Scanship	Mixed	9/9/2008	CC	36	8.8	5	62	6.8	ND	6	ND	ND
Norwegian	Star	Scanship	Mixed	5/6/2008	CC	40	6	13	74	7	ND	ND	15.6	ND
Norwegian	Star	Scanship	Mixed	5/13/2008	CC	32	2.27	8.09	79.4	7	ND	ND	5.5	ND
Norwegian	Star	Scanship	Mixed	6/3/2008	UA	6.6	1.5	8.9	26	6.7	ND	ND	5.6	ND
Norwegian	Star	Scanship	Mixed	6/17/2008	CC	19	2.52	6.89	58.4	6.7	ND	ND	ND	ND
Norwegian	Star	Scanship	Mixed	6/24/2008	CC	22	1.99	8.73	111	6.6	ND	8	8	ND
Norwegian	Star	Scanship	Mixed	7/15/2008	CC	29	1.38	9.6	63.6	6.8	ND	ND	7	ND
Norwegian	Star	Scanship	Mixed	7/29/2008	CC	43	2.15	8.38	69.9	6.8	12	7	4.7	ND
Norwegian	Star	Scanship	Mixed	8/12/2008	CC	20	3.7	13	100	6.7	ND	ND	8.5	ND
Norwegian	Star	Scanship	Mixed	8/19/2008	CC	26	2.3	13	110	6.7	2	ND	9.1	ND
Norwegian	Star	Scanship	Mixed	8/26/2008	UA	20	4.6	11	94	6.8	4	11	12.9	ND
Norwegian	Star	Scanship	Mixed	9/2/2008	CC	11	2.2	11	160	6.6	Error	4	8.1	ND
Norwegian	Star	Scanship	Mixed	9/9/2008	CC	17	12	14	140	6.5	ND	ND	8.3	ND
Norwegian	Sun	Scanship	Mixed	5/14/2008	CC	71	5.49	7.37	30.9	6.6	ND	9	6.1	ND
Norwegian	Sun	Scanship	Mixed	5/21/2008	CC	32	4.91	6.03	27.4	6.7	ND	0	4.2	ND
Norwegian	Sun	Scanship	Mixed	5/28/2008	UA	36	3.4	6.8	36	6.8	40	4.8	9	ND

**Explanation of color codes**

- Exceedance of interim limits only
- Exceedance of long-term limits
- Discharging only treated graywater
- Non Discharger in Alaska in 2008

2008 Semimonthly General Permit Sample Results

ND= Non-detect

Company	Vessel	Treatment System	Wastewater Type	Sample Date	Type	mg/L	µg/L	µg/L	µg/L	S.U.	col. per 100 ml	mg/L	mg/L	mg/L
						Ammonia	Copper	Nickel	Zinc	pH	Fecal Coliform	TSS	BOD	Chlorine
Total Residual														
Norwegian	Sun	Scanship	Mixed	6/4/2008	CC	24	2.81	7.81	19.2	6.8	2	ND	4.6	ND
Norwegian	Sun	Scanship	Mixed	6/11/2008	CC	10	4.03	6.72	15.5	6.6	16	6	12	ND
Norwegian	Sun	Scanship	Mixed	7/2/2008	CC	17	5	5.74	26.3	6.7	ND	5	5.6	ND
Norwegian	Sun	Scanship	Mixed	7/9/2008	CC	12	4.53	6.11	36.8	6.8	2	4	5.8	ND
Norwegian	Sun	Scanship	Mixed	7/17/2008	UA	32	5.1	4.4	3.9	6.7	ND	8	7.6	ND
Norwegian	Sun	Scanship	Mixed	8/6/2008	CC	22	5.14	4.79	30.6	6.8	ND	ND	14	ND
Norwegian	Sun	Scanship	Mixed	8/13/2008	CC	29	11	7.2	44	6.5	ND	ND	10	ND
Norwegian	Sun	Scanship	Mixed	9/3/2008	CC	16	3.4	4.3	38	6.5	ND	ND	ND	ND
Norwegian	Sun	Scanship	Mixed	9/10/2008	CC	28	3.1	5.6	34	6.5	ND	ND	2.3	ND
Princess	Coral	Hamworthy	Mixed acc. Gray	5/15/2008	CC	23	17.2	17.5	208	7	ND	ND	2.1	ND
Princess	Coral	Hamworthy	Mixed acc. Gray	5/23/2008	UA	74	17	9.5	170	7.4	ND	ND	ND	0.19
Princess	Coral	Hamworthy	Mixed acc. Gray	5/29/2008	CC	100	19.1	7.62	132	7.5	ND	ND	3.3	ND
Princess	Coral	Hamworthy	Mixed acc. Gray	6/12/2008	CC	59	31.4	10.5	151	7.3	ND	ND	ND	ND
Princess	Coral	Hamworthy	Mixed acc. Gray	6/20/2008	CC	33	88.1	12	125	6.9	ND	ND	2	0.1
Princess	Coral	Hamworthy	Mixed acc. Gray	7/10/2008	CC	20	25.8	9.28	159	7.3	ND	ND	ND	ND
Princess	Coral	Hamworthy	Mixed acc. Gray	7/18/2008	CC	25	18	7.82	98.8	7.3	ND	ND	ND	ND
Princess	Coral	Hamworthy	Mixed acc. Gray	7/28/2008	UA	58	31	7.2	98	7.2	ND	4	ND	ND
Princess	Coral	Hamworthy	Mixed acc. Gray	8/1/2008	CC	24	20.3	8.1	173	7.2	ND	ND	ND	ND
Princess	Coral	Hamworthy	Mixed acc. Gray	8/7/2008	CC	68	19	6.7	140	7.7	ND	ND	ND	ND
Princess	Coral	Hamworthy	Mixed acc. Gray	9/4/2008	CC	42	24	7.7	150	7.5	ND	ND	ND	ND
Princess	Coral	Hamworthy	Mixed acc. Gray	9/12/2008	CC	51	30	9.2	140	7.4	ND	ND	ND	ND
Princess	Dawn	Hamworthy	Mixed acc. Gray	5/11/2008	CC	26	5.58	8.15	94.2	7.3	ND	ND	ND	ND
Princess	Dawn	Hamworthy	Mixed acc. Gray	5/23/2008	CC	23	6.48	4.56	134	7	ND	ND	3.8	ND
Princess	Dawn	Hamworthy	Mixed acc. Gray	5/31/2008	UA	33	5.5	3.3	150	7	ND	2	ND	ND
Princess	Dawn	Hamworthy	Mixed acc. Gray	6/12/2008	CC	15	7.25	3.88	232	7.1	ND	ND	ND	ND
Princess	Dawn	Hamworthy	Mixed acc. Gray	6/20/2008	CC	26	5.09	3.12	222	7.2	ND	ND	ND	ND
Princess	Dawn	Hamworthy	Mixed acc. Gray	6/30/2008	UA	28	6	3	120	7	ND	ND	ND	ND
Princess	Dawn	Hamworthy	Mixed acc. Gray	7/10/2008	CC	5.4	8.52	4.7	114	6.9	ND	ND	2.4	ND
Princess	Dawn	Hamworthy	Mixed acc. Gray	7/20/2008	CC	23	5.11	3.66	121	7.1	ND	ND	ND	ND
Princess	Dawn	Hamworthy	Mixed acc. Gray	8/21/2008	CC	53	7.2	3.6	260	7.3	ND	ND	2.4	ND
Princess	Dawn	Hamworthy	Mixed acc. Gray	8/29/2008	CC	15	7.4	4.5	150	6.9	ND	ND	ND	ND
Princess	Dawn	Hamworthy	Mixed acc. Gray	9/8/2008	CC	25	12	4.4	140	7.1	ND	ND	ND	ND
Princess	Dawn	Hamworthy	Mixed acc. Gray	9/18/2008	CC	44	8.4	4.4	220	7.4	4	ND	4.1	ND
Princess	Diamond	Hamworthy	Mixed acc. Gray	5/13/2008	CC	81	6.75	11.8	51.7	7.3	62	ND	11.3	ND
Princess	Diamond	Hamworthy	Mixed acc. Gray	5/26/2008	UA	150	4.6	9.9	48	7.9	ND	ND	3.8	ND
Princess	Diamond	Hamworthy	Mixed acc. Gray	6/10/2008	CC	110	7.81	18.5	106	7.6	ND	ND	ND	ND
Princess	Diamond	Hamworthy	Mixed acc. Gray	6/18/2008	UA	100	8.6	15	84	7.8	ND	ND	3.05	ND
Princess	Diamond	Hamworthy	Mixed acc. Gray	7/8/2008	CC	89	35.3	13	59.8	7.8	ND	ND	3.5	ND
Princess	Diamond	Hamworthy	Mixed acc. Gray	7/16/2008	CC	73	17.5	28.4	97.5	7.5	ND	ND	3.6	ND
Princess	Diamond	Hamworthy	Mixed acc. Gray	8/5/2008	CC	67	14.2	8.9	112	7.6	ND	ND	3.1	ND
Princess	Diamond	Hamworthy	Mixed acc. Gray	8/27/2008	CC	70	11	11	130	7.3	ND	ND	ND	ND
Princess	Diamond	Hamworthy	Mixed acc. Gray	9/2/2008	CC	78	6.4	12	110	7.5	2	ND	3	ND
Princess	Diamond	Hamworthy	Mixed acc. Gray	9/10/2008	CC	120	5.5	12	50	7.8	ND	ND	4.6	ND
Princess	Golden	Hamworthy	Mixed acc. Gray	5/12/2008	CC	21	9.26	6.92	179	8.2	12	ND	ND	ND
Princess	Golden	Hamworthy	Mixed acc. Gray	5/15/2008	UA	29	8.3	6	180	7	ND	ND	ND	ND
Princess	Golden	Hamworthy	Mixed acc. Gray	5/19/2008	CC	27	11.3	7.3	225	7	ND	ND	ND	ND
Princess	Golden	Hamworthy	Mixed acc. Gray	6/9/2008	CC	36	10.2	6.33	203	7.1	ND	ND	3.9	ND
Princess	Golden	Hamworthy	Mixed acc. Gray	6/16/2008	CC	51	10.7	4.89	106	7.4	ND	ND	ND	ND
Princess	Golden	Hamworthy	Mixed acc. Gray	6/30/2008	UA	42	5.1	5.3	93	7.5	2	ND	3.2	ND
Princess	Golden	Hamworthy	Mixed acc. Gray	7/7/2008	CC	22	14.5	7.36	156	7.3	ND	ND	2.3	ND
Princess	Golden	Hamworthy	Mixed acc. Gray	7/21/2008	CC	21	6.72	6.47	269	7.3	4	ND	2.8	ND
Princess	Golden	Hamworthy	Mixed acc. Gray	8/11/2008	CC	33	17	6.8	150	7.2	ND	ND	3.5	ND
Princess	Golden	Hamworthy	Mixed acc. Gray	8/18/2008	CC	38	41	9.4	350	7.4	ND	ND	ND	ND
Princess	Golden	Hamworthy	Mixed acc. Gray	9/1/2008	CC	63	11	5.7	130	7.6	ND	ND	20.2	ND

**Explanation of color codes**

- Exceedance of interim limits only
- Exceedance of long-term limits
- Discharging only treated graywater
- Non Discharger in Alaska in 2008

**Explanation of color codes**

- Exceedance of interim limits only
- Exceedance of long-term limits
- Discharging only treated graywater
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2008 Semimonthly General Permit Sample Results						ND= Non-detect								
Company	Vessel	Treatment System	Wastewater Type	Sample Date	Type	mg/L	µg/L	µg/L	µg/L	S.U.	col. per 100 ml	mg/L	mg/L	mg/L
						Ammonia	Copper	Nickel	Zinc	pH	Fecal Coliform	TSS	BOD	Chlorine
Total Residual														
Princess	Golden	Hamworthy	Mixed acc. Gray	9/8/2008	CC	46	35	6.9	210	7.3	ND	ND	3.3	ND
Princess	Island	Hamworthy	Mixed acc. Gray	5/22/2008	CC	22	23.2	14.5	92.5	7	ND	ND	ND	ND
Princess	Island	Hamworthy	Mixed acc. Gray	5/30/2008	CC	24	37.2	9.51	135	6.7	ND	ND	ND	0.11
Princess	Island	Hamworthy	Mixed acc. Gray	6/5/2008	CC	70	40.8	9.14	228	7.2	ND	ND	ND	ND
Princess	Island	Hamworthy	Mixed acc. Gray	6/13/2008	CC	64	22.5	8.68	87.4	7.1	ND	ND	2.27	ND
Princess	Island	Hamworthy	Mixed acc. Gray	6/19/2008	UA	38	22	9.3	360	7.2	ND	ND	27.4	ND
Princess	Island	Hamworthy	Mixed acc. Gray	7/11/2008	CC	12	40	9	120	6.8	ND	ND	ND	ND
Princess	Island	Hamworthy	Mixed acc. Gray	7/17/2008	CC	26	29.5	8.36	164	6.9	ND	ND	2.9	ND
Princess	Island	Hamworthy	Mixed acc. Gray	8/8/2008	CC	87	5.4	7.9	38	7.5	6	ND	20.7	ND
Princess	Island	Hamworthy	Mixed acc. Gray	8/14/2008	CC	83	5.4	6.8	39	7.4	2	ND	15	ND
Princess	Island	Hamworthy	Mixed acc. Gray	8/22/2008	UA	76	5.6	7.9	73	7.5	2	2	16	ND
Princess	Island	Hamworthy	Mixed acc. Gray	9/5/2008	CC	75	5.2	6.2	77	7.2	ND	ND	ND	ND
Princess	Island	Hamworthy	Mixed acc. Gray	9/11/2008	CC	98	7	7.2	18	7.7	ND	ND	27.9	ND
Princess	Sapphire	Hamworthy	Mixed acc. Gray	5/20/2008	CC	52	14	12.7	53.1	7.1	ND	ND	21.3	ND
Princess	Sapphire	Hamworthy	Mixed acc. Gray	5/28/2008	CC	92	23.2	15.7	67.1	6.7	ND	ND	2.8	ND
Princess	Sapphire	Hamworthy	Mixed acc. Gray	6/11/2008	UA	7.8	51	24	60	7.7	ND	ND	ND	ND
Princess	Sapphire	Hamworthy	Mixed acc. Gray	6/17/2008	CC	85	13.9	14.2	47.4	7.6	ND	ND	6.28	ND
Princess	Sapphire	Hamworthy	Mixed acc. Gray	6/25/2008	CC	50	22.9	27	89.9	7.6	ND	ND	6.4	ND
Princess	Sapphire	Hamworthy	Mixed acc. Gray	7/1/2008	CC	37	8.78	9.32	53.3	7.6	ND	ND	4.2	ND
Princess	Sapphire	Hamworthy	Mixed acc. Gray	7/9/2008	CC	40	28.1	43.2	112	7.5	ND	ND	2.5	ND
Princess	Sapphire	Hamworthy	Mixed acc. Gray	7/29/2008	UA	100	5.6	13	92	7.7	ND	1	4.8	ND
Princess	Sapphire	Hamworthy	Mixed acc. Gray	8/6/2008	CC	100	13.2	18.4	64.3	7.7	ND	ND	6	ND
Princess	Sapphire	Hamworthy	Mixed acc. Gray	8/12/2008	CC	71	9.4	13	45	7.6	ND	ND	2.9	ND
Princess	Sapphire	Hamworthy	Mixed acc. Gray	9/3/2008	CC	130	10	20	59	7.7	ND	ND	8.1	ND
Princess	Sapphire	Hamworthy	Mixed acc. Gray	9/9/2008	CC	110	8.2	13	45	7.7	ND	ND	4.5	ND
Princess	Star	Hamworthy	Mixed acc. Gray	5/7/2008	CC	35	140	21	410	6.3	2	ND	3.5	ND
Princess	Star	Hamworthy	Mixed acc. Gray	5/14/2008	CC	21	135	15.7	110	7	ND	ND	6.4	ND
Princess	Star	Hamworthy	Mixed acc. Gray	5/28/2008	UA	34	100	12	130	7.1	ND	ND	4	ND
Princess	Star	Hamworthy	Mixed acc. Gray	6/18/2008	CC	27	59.2	13.6	123	6.9	ND	ND	ND	ND
Princess	Star	Hamworthy	Mixed acc. Gray	6/25/2008	CC	32	55.5	15.7	119	6.7	ND	ND	6.8	ND
Princess	Star	Hamworthy	Mixed acc. Gray	7/16/2008	CC	42	30.1	18.4	113	6.6	ND	ND	ND	ND
Princess	Star	Hamworthy	Mixed acc. Gray	7/17/2008	UA	30	19	8.5	87	6.8	ND	ND	3.4	ND
Princess	Star	Hamworthy	Mixed acc. Gray	8/13/2008	CC	64	100	19	81	7.3	ND	ND	4	ND
Princess	Star	Hamworthy	Mixed acc. Gray	8/20/2008	CC	65	78	20	100	7.2	ND	ND	3.7	ND
Princess	Star	Hamworthy	Mixed acc. Gray	9/3/2008	CC	56	35	9.3	120	7.4	ND	ND	ND	ND
Princess	Star	Hamworthy	Mixed acc. Gray	9/10/2008	CC	71	60	11	49	7.4	ND	ND	ND	ND
Princess	Sun	Hamworthy	Mixed acc. Gray	8/15/2008	UA	100	14	9.1	150	7.4	ND	2	3.7	ND
Royal Caribbean	Radiance	Hamman	No discharge	No Discharge		NA	NA	NA	NA	NA	NA	NA	NA	NA
Royal Caribbean	Serenade	Hamman	No Discharge	No Discharge		NA	NA	NA	NA	NA	NA	NA	NA	NA
Regent	Seven Seas Mariner	Hamworthy	Mixed	5/23/2008	CC	42	23.3	7.26	357	7.3	ND	ND	2.9	ND
Regent	Seven Seas Mariner	Hamworthy	Mixed	5/25/2008	CC	19	4.62	5.75	227	7.3	ND	ND	3	ND
Regent	Seven Seas Mariner	Hamworthy	Mixed	6/13/2008	UA	33	9.7	4.5	45	7.4	ND	ND	ND	ND
Regent	Seven Seas Mariner	Hamworthy	Mixed	6/14/2008	CC	29	2.56	5.94	97.3	7.3	ND	ND	ND	ND
Regent	Seven Seas Mariner	Hamworthy	Mixed	7/18/2008	CC	40	5.87	4.46	35.9	7.6	ND	ND	ND	ND
Regent	Seven Seas Mariner	Hamworthy	Mixed	7/19/2008	CC	13	2.76	4.24	29.9	7.5	ND	ND	ND	ND
Regent	Seven Seas Mariner	Hamworthy	Mixed	8/15/2008	CC	11	3.2	4.5	29	7.3	ND	ND	3.1	ND
Regent	Seven Seas Mariner	Hamworthy	Mixed	8/16/2008	UA	9.9	4.7	3.8	47	7.3	ND	ND	2.3	ND
Regent	Seven Seas Mariner	Hamworthy	Mixed	9/13/2008	CC	4.7	11	4.6	63	7.1	ND	ND	ND	ND
Regent	Seven Seas Mariner	Hamworthy	Mixed	9/14/2008	CC	11	12	3.9	74	7	ND	ND	ND	ND

2008 Semimonthly General Permit Sample Results														
Company	Vessel	Treatment System	Wastewater Type	Sample Date	Type	mg/L	µg/L	µg/L	µg/L	S.U.	col. per 100 ml	mg/L	mg/L	mg/L
						Ammonia	Copper	Nickel	Zinc	pH	Fecal Coliform	TSS	BOD	Chlorine
											ND= Non-detect			Total Residual
Silver	Silver Shadow	Marisan	Mixed	6/15/2008	CC	0.65	6.21	17.8	0	7.2	ND	49	9.27	ND
Silver	Silver Shadow	Marisan	Mixed	6/26/2008	CC	0	4.04	10.8	0	7.1	ND	17	9.6	ND
Silver	Silver Shadow	Marisan	Mixed	7/18/2008	CC	0.41	4.03	5.71	4.42	7.4	ND	5	8.4	ND
Silver	Silver Shadow	Marisan	Mixed	7/28/2008	CC	0.45	6.84	7.25	3.61	7.4	ND	22	9.9	ND
Silver	Silver Shadow	Marisan	Mixed	8/4/2008	CC	0	3.81	7.19	0	7.8	ND	19	11.3	ND
Silver	Silver Shadow	Marisan	Mixed	8/7/2008	UA	0.6	54	10	58	6.8	8	99	8.1	ND
Silver	Silver Shadow	Marisan	Mixed	8/23/2008	UA	0.18	42	7.4	8.4	7.1	ND	45	10.2	ND
Silver	Silver Shadow	Marisan	Mixed	9/9/2008	CC	0.16	93	12	30	7	ND	64	5.9	ND
Silver	Silver Shadow	Marisan	Mixed	9/10/2008	CC	0.17	73	10	6.4	7.2	ND	24	5.5	ND

Explanation of color codes	
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