Vessel ID: *On-Ship Potable Water Network Quality Tests Configurator*

Company	ACME Maritime Inc.
Vessel	Venus
Health & Safety	Mr.J.Doe
Plan Revision	30/10/2010 18:22

= target vessel input values

KITTIWAKE HELLAS S.A. monitoring innovation

Potable Water Network:

Holding tanks	4	labeled as	T	Tank capacity	5.0	mt.,	16 tablets/incr.ppm/tank	63 total tblts
Outlets	15	labeled as	O					
Shower Outlets	5	labeled as	S					
Potable water hoses	3	labeled as	H					
HVAC test points	5	labeled as	A					

Time Periods

Pot.Water Bunkering	every	34	days	(estimated "no less than")
Chlorine Test	every	7	days	
Random sampling	8.3%	of outlets but nearest and furthest		
Superchlorination				
tanks & water nwk	every	365	days	
showerheads	every	90	days	
pot.water hoses	every	180	days	
HVAC	every	90	days	
Bacteria Test				
Ecoli/coliform	every	90	days	
HPC (TVC)	every	90	days	
Random sampling	25.0%	of outlets but nearest and furthest		
Temperature Test	every	30	days	*Assumed O3 & O13 are the nearest and furthest hot water sentinel outlets*

Plan commencing 13/01/2011

Total test reagents (units)				
68	232	339	140	151

6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37

Chlorine Tests — Testing Points — *all values in ppm*

Date	Test Description	T01	T02	T03	T04	O01	O02	O03	O04	O05	O06	O07	O08	O09	O10	O11	O12	O13	O14	O15	S01	S02	S03	S04	S05	H01	H02	H03	A01	A02	A03	A04	A05	Ttl	CHL HR	CHL HL	CHL LL	Ecoli Coli	TVC
13/01/2011	Superchlorination Bf T+O																																	38		38			
13/01/2011	Superchlorination Af T+O																																	34	34				
20/01/2011	Chlorine Test																																	12		4	12		
27/01/2011	Chlorine Test																																	10		4	10		
03/02/2011	Chlorine Test																																	10		4	10		
10/02/2011	Chlorine Test																																	9		4	9		
17/02/2011	Chlorine Test																																	13		4	13		
24/02/2011	Chlorine Test																																	12		4	12		
27/02/2011	Superchlorination S																																	1					
03/03/2011	Chlorine Test																																	13		4	13		
10/03/2011	Chlorine Test																																	9		4	9		
12/03/2011	Superchlorination H																																	1					
17/03/2011	Chlorine Test																																	12		4	12		
24/03/2011	Chlorine Test																																	13		4	13		
27/03/2011	Superchlorination A																																	1					
31/03/2011	Chlorine Test																																	10		4	10		
07/04/2011	Chlorine Test																																	8		4	8		
14/04/2011	Chlorine Test																																	12		4	12		
21/04/2011	Chlorine Test																																	10		4	10		
28/04/2011	Chlorine Test																																	11		4	11		
05/05/2011	Chlorine Test																																	11		4	11		
12/05/2011	Chlorine Test																																	11		4	11		
14/05/2011	Superchlorination S																																	1					
19/05/2011	Chlorine Test																																	13		4	13		
26/05/2011	Chlorine Test																																	12		4	12		
28/05/2011	Superchlorination H																																	1					
02/06/2011	Chlorine Test																																	9		4	9		
04/06/2011	Superchlorination A																																	1					
09/06/2011	Chlorine Test																																	11		4	11		
16/06/2011	Chlorine Test																																	11		4	11		
23/06/2011	Chlorine Test																																	12		4	12		
30/06/2011	Chlorine Test																																	10		4	10		
07/07/2011	Chlorine Test																																	12		4	12		
14/07/2011	Superchlorination Bf T+O																																	38		38			
14/07/2011	Superchlorination Af T+O																																	34	34				
21/07/2011	Chlorine Test																																	11		4	11		
	Total no. of tests	42	46	42	46	30	12	7	11	9	12	7	12	11	10	12	10	8	11	30	15	15	11	14	10	2	0	0	2	0	0	0	0	437	68	180	287		

Bacteria Tests — Testing Points — *all values in CFU/ml*

Date	Test Description	T01	T02	T03	T04	O01	O02	O03	O04	O05	O06	O07	O08	O09	O10	O11	O12	O13	O14	O15	S01	S02	S03	S04	S05	H01	H02	H03	A01	A02	A03	A04	A05	Ttl	CHL HR	CHL HL	CHL LL	Ecoli Coli	TVC
13/01/2011	Ecoli/coliform																																	13				13	
23/01/2011	HPC (TVC)																																	13					13
15/02/2011	Ecoli/coliform																																	11				11	
27/02/2011	HPC (TVC)																																	11					11
10/02/2011	Ecoli/coliform																																	9				9	
17/02/2011	HPC (TVC)																																	14					14
24/02/2011	Ecoli/coliform																																	13				13	
03/03/2011	HPC (TVC)																																	14					14
10/03/2011	Ecoli/coliform																																	9				9	
17/03/2011	HPC (TVC)																																	12					12
24/03/2011	Ecoli/coliform																																	14				14	
31/03/2011	HPC (TVC)																																	10					10
07/04/2011	Ecoli/coliform																																	8				8	
14/04/2011	HPC (TVC)																																	13					13
21/04/2011	Ecoli/coliform																																	11				11	
21/07/2011	HPC (TVC)																																	12					12
	Total no. of tests	16	16	16	16	16	3	2	4	3	6		5	2	5	5	3	3	7	16	5	6	5	6	5								16	187				88	99

Temperature Tests — Testing Points — *all values in degrees Celsius (°C)*

Date	Test Description	T01	T02	T03	T04	O01	O02	O03	O04	O05	O06	O07	O08	O09	O10	O11	O12	O13	O14	O15	S01	S02	S03	S04	S05	H01	H02	H03	A01	A02	A03	A04	A05	Ttl
13/01/2011	Cold water																																	6
13/01/2011	Hot water																																	6
12/02/2011	Cold water																																	6
12/02/2011	Hot water																																	6
14/03/2011	Cold water																																	6
14/03/2011	Hot water																																	6
13/04/2011	Cold water																																	6
13/04/2011	Hot water																																	6
13/05/2011	Cold water																																	6
13/05/2011	Hot water																																	6
12/06/2011	Cold water																																	6
12/06/2011	Hot water																																	6
12/07/2011	Cold water																																	6
12/07/2011	Hot water																																	6
11/08/2011	Cold water																																	6
11/08/2011	Hot water																																	6
10/09/2011	Cold water																																	6
10/09/2011	Hot water																																	6
10/10/2011	Cold water																																	6
10/10/2011	Hot water																																	6
09/11/2011	Cold water																																	6
09/11/2011	Hot water																																	6
09/12/2011	Cold water																																	6
09/12/2011	Hot water																																	6
	Total no. of tests					24		24										24		24					24								24	144

Tests Upon Pot. Water Bunkering — Testing Points

Date	Test Description	T01	T02	T03	T04	O01	O02	O03	O04	O05	O06	O07	O08	O09	O10	O11	O12	O13	O14	O15	S01	S02	S03	S04	S05	H01	H02	H03	A01	A02	A03	A04	A05	Ttl	CHL HR	CHL HL	CHL LL	Ecoli Coli	TVC
30/01/2011	Chlorine Test (ppm)																																	4		4	4		
30/01/2011	Ecoli/coliform (CFU/ml)																																	4				4	
30/01/2011	HPC (TVC) (CFU/ml)																																	4					4
28/02/2011	Chlorine Test (ppm)																																	4		4	4		
28/02/2011	Ecoli/coliform (CFU/ml)																																	4				4	
28/02/2011	HPC (TVC) (CFU/ml)																																	4					4
22/03/2011	Chlorine Test (ppm)																																	4		4	4		
22/03/2011	Ecoli/coliform (CFU/ml)																																	4				4	
22/03/2011	HPC (TVC) (CFU/ml)																																	4					4
20/04/2011	Chlorine Test (ppm)																																	4		4	4		
20/04/2011	Ecoli/coliform (CFU/ml)																																	4				4	
20/04/2011	HPC (TVC) (CFU/ml)																																	4					4
16/05/2011	Chlorine Test (ppm)																																	4		4	4		
16/05/2011	Ecoli/coliform (CFU/ml)																																	4				4	
16/05/2011	HPC (TVC) (CFU/ml)																																	4					4
19/05/2011	Chlorine Test (ppm)																																	4		4	4		
19/05/2011	Ecoli/coliform (CFU/ml)																																	4				4	
19/05/2011	HPC (TVC) (CFU/ml)																																	4					4
04/07/2011	Chlorine Test (ppm)																																	4		4	4		
04/07/2011	Ecoli/coliform (CFU/ml)																																	4				4	
04/07/2011	HPC (TVC) (CFU/ml)																																	4					4
22/08/2011	Chlorine Test (ppm)																																	4		4	4		
22/08/2011	Ecoli/coliform (CFU/ml)																																	4				4	
22/08/2011	HPC (TVC) (CFU/ml)																																	4					4
30/09/2011	Chlorine Test (ppm)																																	4		4	4		
30/09/2011	Ecoli/coliform (CFU/ml)																																	4				4	
30/09/2011	HPC (TVC) (CFU/ml)																																	4					4
13/10/2011	Chlorine Test (ppm)																																	4		4	4		
13/10/2011	Ecoli/coliform (CFU/ml)																																	4				4	
13/10/2011	HPC (TVC) (CFU/ml)																																	4					4
14/10/2011	Chlorine Test (ppm)																																	4		4	4		
14/10/2011	Ecoli/coliform (CFU/ml)																																	4				4	
14/10/2011	HPC (TVC) (CFU/ml)																																	4					4
06/11/2011	Chlorine Test (ppm)																																	4		4	4		
06/11/2011	Ecoli/coliform (CFU/ml)																																	4				4	
06/11/2011	HPC (TVC) (CFU/ml)																																	4					4
08/11/2011	Chlorine Test (ppm)																																	4		4	4		
08/11/2011	Ecoli/coliform (CFU/ml)																																	4				4	
08/11/2011	HPC (TVC) (CFU/ml)																																	4					4
	Total no. of tests	39	39	39	39																													156		52	52	52	52