

**Appendix 4C**

Results of Groundwater Level  
Measurements

R06100 EIA for Decommissioning of Cheoy Lee Shipyard

Groundwater Level Measurement Results

GW Well ID	Easting	Northing	Initial Groundwater Level (m bgs)	Level of Top of Well (mPD)	Reduced Groundwater Level (mPD)
B-B24	821588.32	820784.71	1.22	3.64	2.42
B-B34	821610.39	820778.30	1.87	3.79	1.92
B-C2	821541.84	820830.07	1.50	3.57	2.07
B-D6	821552.03	820855.70	1.20	3.39	2.19
B-I11	821565.52	820898.09	1.20	3.65	2.45
B-J7	821603.96	820905.27	0.95	3.59	2.64
B-L6	821647.44	820872.04	1.21	3.53	2.32
B-L34	821627.58	820890.53	1.04	3.53	2.49
B-L37	821648.46	820914.03	1.30	3.40	2.10
B-M2	821668.55	820891.67	2.40	3.79	1.39
B-N3	821699.27	820854.18	1.45	3.96	2.51
B-O8	821673.98	820823.37	2.90	4.06	1.16
OB-2	821624.99	820738.02	2.50	3.70	1.20
OB-4	821663.81	820764.52	2.00	3.94	1.94
OB-5	821626.89	820923.56	0.65	4.16	3.51
OB-6	821607.21	820831.17	1.82	3.52	1.70
B-P8	821639.71	820786.40	2.00	3.81	1.81
B-Q1	822104.62	820578.63	2.45	4.36	1.91
B-Q5	822121.41	820591.73	3.20	4.83	1.63
B-R2	821984.66	820782.21	2.30	4.60	2.30
B-S4	822051.65	820639.66	3.30	4.88	1.58
B-S8	822092.07	820647.08	3.00	4.74	1.74
B-T1	821985.90	820720.97	2.60	4.38	1.78
B-T9	822002.86	820744.08	2.40	4.37	1.97
B-U2A	821837.24	820705.54	2.60	4.44	1.84
B-V2	821956.64	820847.49	2.40	4.69	2.29
B-X2	821889.70	820796.89	2.30	4.71	2.41
B-Z6	821762.77	820782.97	2.55	4.53	1.98
OB-11	821865.52	820754.32	3.00	4.61	1.61
OB-13	821903.72	820740.11	2.65	4.62	1.97
OB-15	821948.91	820761.68	2.60	4.61	2.01
OB-20	822040.80	820736.88	2.20	4.27	2.07
OB-22	822084.26	820762.02	3.00	4.90	1.90

**Appendix 4D**

Groundwater Screening Criteria for  
Chemicals with Detectable  
Concentration

R06100 - EIA for Decommissioning of Cheoy Lee Shipyard at Penny's Bay

Groundwater Screening Criteria for Chemicals with Detectable Concentrations in Groundwater Samples

	Chemical	CAS No.	Value (mg/L)	Reference Standard	Remark
1	Ammonia	7664-41-7	n.a.	n.a.	nc
2	Antimony (Sb)	7440-36-0	15	USEPA Region IX PRG	nc
3	Arsenic	7440-38-2	30	Dutch 'B'	nc, ca
4	Barium	7440-39-3	100	Dutch 'B'	nc
5	Beryllium	7440-41-7	73	USEPA Region IX PRG	nc
6	Bis(2-ethylhexyl)phthalate	117-81-7	4.8	USEPA Region IX PRG	ca
7	Cadmium	7440-43-9	2.5	Dutch 'B'	nc
8	Calcium	7440-70-2	n.a.	n.a.	
9	Carbon Chain C11-C14	DMO-710-001			
	Carbon Chain C15-C18	DMO-710-003			
	Carbon Chain C19-C22	DMO-710-005			
	Carbon Chain C23-C26	DMO-710-007	200	Dutch 'B'	nc
	Carbon Chain C27-C30	DMO-710-009			
	Carbon Chain C31-C36	DMO-710-010			
10	Chloride	16887-00-6	n.a.	n.a.	
11	Chloroform	67-66-3	0.16	USEPA Region IX PRG	ca
12	Chromium	7440-47-3	50	Dutch 'B'	nc, ca
13	Cobalt	7440-48-4	50	Dutch 'B'	nc
14	Copper	7440-50-8	50	Dutch 'B'	nc
15	Cyanide	57-12-5	50	Dutch 'B'	nc
16	Di-n-butylphthalate	84-74-2	3600	USEPA Region IX PRG	nc
17	Iron (Total)	7439-89-6	11000	USEPA Region IX PRG	nc
18	Lead	7439-92-1	50	Dutch 'B'	nc
19	Magnesium	7439-95-4	n.a.	n.a.	
20	Manganese	7439-96-5	880	USEPA Region IX PRG	nc
21	Molybdenum	7439-98-7	20	Dutch 'B'	nc
22	Naphthalene	91-20-3	7	Dutch 'B'	nc
23	Nickel	7440-02-0	50	Dutch 'B'	nc
24	Nitrate	14797-55-8	10000	USEPA Region IX PRG	nc
25	Potassium	07/09/7440	n.a.	n.a.	
26	Selenium	7782-49-2	180	USEPA Region IX PRG	nc
27	Silver	7440-22-4	180	USEPA Region IX PRG	nc
28	Sodium	7440-23-5	n.a.	n.a.	
29	Sulfate	14808-79-8	n.a.	n.a.	
30	Tin	7440-31-5	30	Dutch 'B'	nc
31	Tributyltin	56573-85-4	4.3	n.a.	derived from TBTO, nc
32	Vanadium	7440-62-2	260	USEPA Region IX PRG	nc
33	Zinc	7440-66-6	200	Dutch 'B'	nc
34	Dioxins (2,3,7,8-TCBP) equivalent	1746-01-6	Non-zero TEQ	n.a.	ca

Keys : NA = not available, nc = noncarcinogen, ca = carcinogen