



**APPENDIX C**

**APPENDIX C**

**WATER QUALITY CALCULATION TABLES**

**C1. New Populations in Development Areas Without Connection to Trunk Sewers**

Location	2001		2006		2011	
	A	B	A	B	A	B
METRO *Green Island	-	-	124,000	124,000	124,000	124,000
NWNT Rural NWNT San Tin/Lok Ma Chau Kam Tin Tuen Mun East	10,000	10,000	10,000	10,000 18,400	10,000	10,000 35,600 10,000
NENT Border Zone Fanling North Whitehead	-	-	-	20,000 (phased) 5,000	-	20,000 (phased) 5,000
SENT						
SWNT Tai O	-	-	-	-	-	5,000 - 10,000
<b>Total</b>	<b>10,000</b>	<b>10,000</b>	<b>134,000</b>	<b>177,400</b>	<b>134,000</b>	<b>214,600</b>

Note :

- Other areas are presently unsewered but will be covered under the provisions of the relevant Sewerage Master Plan Studies or similar proposals. The areas included above are particularly sensitive as associated effluent flows and pollutant loads could drain into Tolo Harbour, Deep Bay or Port Shelter.

\* This development depends on the early implementation of later stages of the SSDS and has been included in this table to emphasise this point.

## C2. Capacity in Trunk Sewer, Treatment Levels and Future Proposals

Location	Ultimate Design Capacity (m <sup>3</sup> /d)	Anticipated Flows in 2011 from SSDS	Existing/Proposed Treatment	Future Proposals
<b>METRO</b>				
Stonecutters Island	458,869		Preliminary - P	SSDS I
Kwai Chung	340,420	339,996	Screening - E	SSDS I
Kwun Tong	1,019,500	226,393	Preliminary - E	SSDS I
	127,440	95,304	Preliminary - P	SSDS I
	118,000		Preliminary - P	SSDS I
To Kwa Wan	382,320	77,259	Screening - E	SSDS I
North Point	109,728		Preliminary - P	SSDS III/IV
Ma Tau Kok	280,000		Preliminary - P	SSDS III/IV
Central	131,760	37,632	Preliminary - P	SSDS I
Wan Chai E.	166,406	51,585	Preliminary - E	SSDS I
Chai Wan	53,568		Preliminary - E	SSDS III/IV
Taing Yi	51,840	45,135	Preliminary - P	SSDS I
Aberdeen	48,384		Preliminary - E	SSDS III/IV
Shau Kei Wan	44,323	98,426	Preliminary - E	SSDS I
Wan Chai W.	34,560		Preliminary - E	SSDS III/IV
Kowloon South	88,650		Screening - E	SSDS III/IV
Ap Lei Chau	12,000			
Wah Fu				
Deepwater Bay				
Chung Hom Kok				
Anchor Street				
Marine Police	5,114*			
Tung Tau			Preliminary - P	SSDS III/IV
Pok Fu Lam				
South Bay				
Stanley W.				
Stanley Fort	21,897*	19,594	Preliminary - P	SSDS I
Kowloon Bay				
Yau Tong				
Sham Tseng	13,300		Primary - P	Local Treatment
<b>NWNT</b>				
San Wai	220,000		Preliminary - E	Enhanced nutrient removal
Pillar Point	192,000		Preliminary - E	Enhanced nutrient removal
Yuen Long	70,000		Secondary - E	Divert to San Wai or upgrade exist.
Kam Tin	10,872			Connect to Yuen Long
<b>NENT</b>				
Sha Tin	308,610		Secondary - E	Effluent Export
Shek Wu Hui	80,000		Secondary - E	Enhanced Nutrient Removal and Disinfection
Tai Po	90,000		Secondary - E	Effluent Exported to Victoria Harbour
Sha Tau Kok	1,660		Secondary - E	Disinfection
Kwu Tong Market	500		Secondary - E	Connect to New Town Sewerage
<b>SENT</b>				
Tseung Kwan O	216,000	157,927	Preliminary -P	SSDS I
Sai Kung	15,200		Secondary - E	Enhanced nutrient removal
<b>SWNT</b>				
Cheung Chau	8,000		Primary - P	None
Peng Chau	950			
Tai O	2,430		Secondary - E	Upgrade to remove nutrients poss.
Mui Wo	2,340			
Shek Pik	593		Preliminary - D	Increase to Secondary Treatment
North Lantau	200,000			
Discovery Bay	29,735		Preliminary - E	Extend and upgrade treatment

Note : \* predicted DWF  
SSDS Strategic Sewage Disposal Scheme Stages I, III/IV

**C3. Projected Daily Effluent Flows for Strategic Residential Developments (m<sup>3</sup>/d)**

<b>Components</b>	<b>A</b>	<b>B</b>
<b>METRO</b>		
Redevelopment	-	6,820
Kai Tak Kowloon II and II	37,510	42,625
Green Island	-	57,970
Hong Kong South	13,640	20,460
<b>NWNT</b>		
Rural NWNT	-	3,410
San Tin/Lok Ma chau	-	3,410
Tuen Mun East	3,410	3,410
Kam Tin	-	6,820
Yuen Long South	6,820	6,820
Yuen Long - Tuen Mun Corridor	-	13,050
<b>NENT</b>		
Fanling North	1,705	6,820
Whitehead	-	1,705
Border Zone	-	34,100
<b>SENT</b>		
TKO III	6,820	17,050
<b>SWNT</b>		
Tung Chung II, III & IV	39,215	39,215
Tai Ho	-	40,920
<b>Total</b>	<b>341,000</b>	<b>538,780</b>

Note : No assessments of pollution loads have been undertaken for common components. Attention is focussed upon the strategic growth areas and differences between the options. It must be stressed that the purpose of totalling flows is only to identify differences between environmental costs associated with the proposed strategies.

C4. Projected Daily Effluent Flows By District (m<sup>3</sup>)

(a) Residential

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	86367	86641	86892	874974	119211	123959
Wan Chai	58496	59098	63131	64158	65298	67738
Eastern	162778	162818	161178	162305	163361	164240
Southern	66384	66271	66707	67087	76948	83990
Yau Ma Tei	60600	61198	64763	66748	66474	67314
Mong Kok	44857	44782	45179	45538	45998	45803
Sham Shui Po	96541	96727	96248	97997	96067	96389
Kowloon City	128680	128463	146702	147430	153848	153247
Kwun Tong	112881	113390	124293	149074	125084	166886
Wong Tai Sin	94861	94706	94098	94578	93842	93512
Tsuen Wan	59909	59807	65934	70207	69633	69715
Kwai Chung	59515	59414	59868	60187	59859	59685
Tsing Yi	36263	36202	34931	35809	34968	37156
Tuen Mun	114746	114552	117557	118313	117880	120833
Yuen Long	38930	38864	40207	43340	48486	48780
Tin Shui Wai	79227	79269	77103	77651	77688	77536
Tai Po	56047	55953	58943	59239	57708	57493
Fanling/SS	47100	47021	49656	59979	49666	79670
Shatin	98517	98350	97408	97918	97713	97401
Ma On Shan	40033	39966	45092	45311	48505	48301
Tseung Kwan O	69062	68944	75285	99727	105183	112849
North Lantau	7698	7685	19097	19399	43000	73842
Rural NWNT	32745	32690	73155	85234	86205	110700
Rural NENT	10690	10672	13140	13207	12463	12418
Rural SENT	9626	9610	12647	12722	12634	12616
Rural SWNT (N-Lantau)	14671	14647	15244	15913	15795	15806
METRO	1068137	1069518	1109928	1147722	1170597	1229640
NWNT	265650	265376	308023	324539	330259	357949
NENT	252389	251962	264241	265756	266054	295287
SENT	78688	78555	87932	112449	117817	125465
SWNT	22370	22332	34341	35312	58796	89649
Total	1687235	1687744	1804467	1885780	1943525	2097893

NOTE: Total Estimated Effluent Flow Rate or Pollution Load = Base Growth + Strategic Growth Components.

C4. cont./ Projected Daily Effluent Flows By District (m<sup>3</sup>)

(b) Industrial

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	168802	171253	179607	186318	189589	206387
Wan Chai	96858	96229	100822	104260	103495	109921
Eastern	174682	174547	145987	146337	126610	128337
Southern	90338	91004	81491	79679	77689	78268
Yau Ma Tei	122231	121249	130914	135624	131069	137764
Mong Kok	109505	109088	99207	99889	88097	88961
Sham Shui Po	254887	254578	262259	260101	239242	234417
Kowloon City	206894	203892	191277	192455	187262	189067
Kwun Tong	443096	447035	379722	391529	330826	340461
Wong Tai Sin	174458	174179	149892	148301	129127	128864
Tsuen Wan	134872	133607	116900	117592	104955	103734
Kwai Chung	442110	441569	345846	341618	266843	259755
Tsing Yi	61946	61838	52566	52668	45666	46422
Tuen Mun	150715	150769	143330	143646	126078	124680
Yuen Long	69705	69830	75023	74185	69193	67714
Tin Shui Wai	30126	29302	29256	28983	29352	28502
Tai Po	108416	108225	91533	91215	80605	799254
Fanling/SS	39393	39355	37695	43234	40402	54925
Shatin	129667	129125	115274	115706	104343	103073
Ma On Shan	14494	14360	15897	16530	16606	16924
Tseung Kwan O	46094	45782	55154	60308	57015	59192
North Lantau	62065	62159	79476	79558	103975	115094
Rural NWNT	49482	53582	62441	73241	61860	83919
Rural NENT	17170	17538	15509	39195	13316	60505
Rural SENT	21697	20803	16565	16255	11969	11424
Rural SWNT (N-Lantau)	12550	11355	12292	11846	11499	11846
METRO	2480690	2480078	2236497	2256376	2020474	2052364
NWNT	300035	303489	310050	320050	286479	304811
NENT	309145	308609	275910	305877	255272	315351
SENT	67787	66581	71719	76563	68988	70622
SWNT	74616	73514	91767	91404	115475	126940
Total	3232274	3232273	2985944	3050272	2746689	2870089

C4. cont/. Projected Daily Effluent Flows By District (m<sup>3</sup>)

(c) Employed Contribution

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	8238	8270	8129	8263	11765	12424
Wan Chai	5489	5555	5847	6008	5868	6163
Eastern	17713	17715	17068	17350	16482	16738
Southern	7887	7873	7854	7973	8837	9604
Yau Ma Tei	6179	6244	6486	6770	6534	6684
Mong Kok	3935	3928	3876	3950	3874	3887
Sham Shui Po	10523	10543	10406	10607	9950	10068
Kowloon City	13374	13349	15173	15428	15549	15614
Kwun Tong	14975	15026	15487	18966	14849	20742
Wong Tai Sin	13393	13370	13083	13301	12656	12742
Tsuen Wan	6271	6259	6745	7359	7015	7077
Kwai Chung	8257	8243	7808	7948	7489	7558
Tsing Yi	5058	5047	5025	5163	4966	5225
Tuen Mun	15123	15098	15799	16022	15058	15459
Yuen Long	4239	4229	4633	4980	5646	5675
Tin Shui Wai	9886	9890	9837	9989	10244	10303
Tai Po	6931	6917	7591	7681	7388	7385
Fanling/SS	5817	5805	6635	6739	6819	10724
Shatin	13012	12991	12688	12858	11751	11788
Ma On Shan	5181	5171	5865	5947	6245	6252
Tseung Kwan O	8813	8794	9467	12023	12627	13589
North Lantau	905	904	2093	2149	5161	8926
Rural NWNT	4113	4105	9987	11255	11118	13650
Rural NENT	1283	1280	1936	1969	1792	1793
Rural SENT	1455	1453	1932	1962	1916	1922
Rural SWNT (N-Lantau)	2336	2332	2737	2848	2789	2803
METRO	121299	121426	122992	129093	125839	134532
NWNT	33362	33323	40257	42248	42067	45089
NENT	32227	32166	34718	35195	33998	37945
SENT	10268	10247	11400	13985	14543	15512
SWNT	3242	3236	4830	4997	7951	11730
Total	200399	200400	214200	225519	224400	244808

C5. Projected Daily BOD Loads By District (tonne/day)

(a) Residential Loads (inc. comm) BOD (tonnes/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	11.2	11.2	11.2	11.3	16.1	16.9
Wan Chai	7.6	7.7	8.2	8.3	9.4	8.8
Eastern	24.1	24.1	23.8	23.9	24.0	24.2
Southern	10.9	10.9	10.9	11.0	12.5	13.4
Yau Ma Tei	8.4	8.5	8.9	9.2	9.2	9.3
Mong Kok	5.7	5.7	5.7	5.8	5.8	5.8
Sham Shui Po	14.9	14.9	15.0	15.1	15.0	15.0
Kowloon City	18.5	18.4	21.5	21.6	22.4	22.3
Kwun Tong	20.4	20.4	21.6	25.7	21.5	28.6
Wong Tai Sin	18.7	18.7	18.6	18.7	18.6	18.5
Tsuen Wan	8.6	8.6	9.5	10.2	10.0	10.0
Kwai Chung	11.3	11.3	11.2	11.2	11.1	11.1
Tsing Yi	7.1	7.1	6.8	7.0	6.8	7.1
Tuen Mun	19.9	19.9	20.2	20.3	20.2	20.6
Yuen Long	6.4	6.4	6.6	7.0	7.8	7.8
Tin Shui Wai	13.7	13.7	13.3	13.4	13.4	13.4
Tai Po	9.9	9.9	10.2	10.3	10.1	10.0
Fanling/SS	8.7	8.7	9.2	9.3	9.2	14.2
Shatin	17.1	17.0	16.8	16.9	16.8	16.8
Ma On Shan	7.4	7.4	8.0	8.0	8.4	8.4
Tseung Kwan O	13.0	13.0	13.7	16.8	17.7	18.8
North Lantau	1.2	1.2	2.6	2.7	6.6	11.4
Rural NWNT	6.5	6.4	14.2	15.7	15.7	19.0
Rural NENT	2.2	2.2	2.7	2.7	2.5	2.5
Rural SENT	2.1	2.1	2.6	2.6	2.6	2.6
Rural SWNT (N-Lantau)	3.2	3.2	3.4	3.5	3.4	3.4
METRO	167.2	167.4	172.8	178.9	181.5	191.0
NWNT	46.5	46.4	54.3	56.5	57.1	60.7
NENT	45.2	45.2	46.9	47.1	47.0	51.9
SENT	15.0	15.0	16.4	19.5	20.3	21.5
SWNT	4.5	4.5	6.0	6.2	10.1	14.8
Total	278.4	278.4	296.3	308.1	315.9	339.9



C5. cont/. Projected Daily BOD Loads by District (tonne/day)

(b) Employed Loads : BOD (tonnes/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	4.7	4.7	4.6	4.7	6.7	7.0
Wan Chai	3.1	3.1	3.3	3.4	3.3	3.5
Eastern	10.0	10.0	9.7	9.8	9.3	9.5
Southern	4.5	4.5	4.5	4.5	5.0	5.4
Yau Ma Tei	3.5	3.5	3.7	3.8	3.7	3.8
Mong Kok	2.2	2.2	2.2	2.2	2.2	2.2
Sham Shui Po	6.0	6.0	5.9	6.0	5.6	5.7
Kowloon City	7.6	7.6	8.6	8.7	8.8	8.8
Kwun Tong	8.5	8.5	8.8	10.7	8.4	11.8
Wong Tai Sin	7.6	7.6	7.4	7.5	7.2	7.2
Tsuen Wan	3.6	3.5	3.8	4.2	4.0	4.0
Kwai Chung	4.7	4.7	4.4	4.5	4.2	4.3
Tsing Yi	2.9	2.9	2.8	2.9	2.8	3.0
Tuen Mun	8.6	8.6	9.0	9.1	8.5	8.8
Yuen Long	2.4	2.4	2.6	2.8	3.2	3.2
Tin Shui Wai	5.6	5.6	5.6	5.7	5.8	5.8
Tai Po	3.9	3.9	4.3	4.4	4.2	4.2
Fanling/SS	3.3	3.3	3.8	3.8	3.9	6.1
Shatin	7.4	7.4	7.2	7.3	6.7	6.7
Ma On Shan	2.9	2.9	3.3	3.4	3.5	3.5
Tseung Kwan O	5.0	5.0	5.4	6.8	7.2	7.7
North Lantau	0.5	0.5	1.2	1.2	2.9	5.1
Rural NWNT	2.3	2.3	5.7	6.4	6.3	7.7
Rural NENT	0.7	0.7	1.1	1.1	1.0	1.0
Rural SENT	0.8	0.8	1.1	1.1	1.1	1.1
Rural SWNT (N-Lantau)	1.3	1.3	1.6	1.6	1.6	1.6
METRO	68.7	68.8	69.7	73.2	71.3	76.2
NWNT	18.9	18.9	22.8	23.9	23.8	25.6
NENT	18.3	18.2	19.7	19.9	19.3	21.5
SENT	5.8	5.8	6.5	7.9	8.2	8.8
SWNT	1.8	1.8	2.7	2.8	4.5	6.6
Total	113.6	113.6	121.4	127.8	127.2	138.7

C5. cont/. Projected Daily BOD Loads By District (tonne/day)

(c) Industrial Loads : BOD (tonnes/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	22823	22836	23735	25462	25129	28023
Wan Chai	11010	11018	11701	12280	12243	13282
Eastern	27672	27663	21433	21493	17301	17617
Southern	13407	13398	11163	11090	10354	10227
Yau Ma Tei	14894	14877	16181	17071	16386	17572
Mong Kok	18745	18728	16506	16632	14317	14443
Sham Shui Po	45850	45837	47022	46588	42277	41228
Kowloon City	33077	33056	28951	29447	27963	28142
Kwun Tong	83163	83170	69214	69741	58280	58145
Wong Tai Sin	30172	30170	24845	24555	20472	20402
Tsuen Wan	23420	23414	19730	19691	17100	16910
Kwai Chung	85796	85778	65864	64999	49470	48027
Tsing Yi	10436	10434	8486	8381	7035	6809
Tuen Mun	23761	23747	22004	21781	18300	17857
Yuen Long	11013	11005	12099	12008	10872	10736
Tin Shui Wai	1509	1546	1578	1612	1658	1709
Tai Po	18758	18751	15120	15070	12907	12800
Fanling/SS	4837	4828	4417	4693	4320	5648
Shatin	19844	19830	16792	16833	14489	14245
Ma On Shan	976	972	1039	1042	1031	1023
Tseung Kwan O	5316	5321	6786	7161	6094	6291
North Lantau	9176	9230	11985	12132	15326	15954
Rural NWNT	7145	7163	7339	8064	6640	8593
Rural NENT	2210	2242	1908	6567	1604	10864
Rural SENT	3044	3041	2038	1962	1132	991
Rural SWNT (N-Lantau)	779	776	785	794	747	752
METRO	420471	420386	364837	367434	318333	320833
NWNT	43430	43463	43021	43465	37470	38895
NENT	46628	46626	39278	44207	34353	44582
SENT	8359	8361	8825	9124	7228	7283
SWNT	9955	10007	12771	12927	16074	16706
Total	528845	528845	468732	477158	413460	428301

C6. Projected Daily COD Loads By District (tonne/day)

(a) Residential Loads (inc. comm) COD (tonnes/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	23.9	24.0	24.0	24.2	34.6	36.1
Wan Chai	16.2	16.4	17.5	17.8	18.1	18.8
Eastern	51.6	51.6	50.9	51.3	51.5	51.9
Southern	23.3	23.3	23.3	23.5	26.9	28.8
Yau Ma Tei	18.1	18.2	19.2	19.8	19.7	20.0
Mong Kok	12.2	12.1	12.2	12.3	12.5	12.4
Sham Shui Po	31.8	31.9	32.1	32.4	32.1	32.2
Kowloon City	39.6	39.5	46.0	46.2	47.9	47.7
Kwun Tong	43.6	43.8	46.3	55.1	46.0	61.2
Wong Tai Sin	40.2	40.1	39.8	40.1	39.8	39.6
Tsuen Wan	18.5	18.5	20.3	21.8	21.5	21.5
Kwai Chung	24.2	24.1	23.9	24.0	23.9	23.8
Tsing Yi	15.2	15.2	14.6	14.9	14.6	15.3
Tuen Mun	42.6	42.6	43.3	43.5	43.3	44.1
Yuen Long	13.8	13.8	14.2	15.0	16.7	16.8
Tin Shui Wai	29.3	29.3	28.5	28.7	28.7	28.6
Tai Po	21.3	21.3	21.9	22.0	21.6	21.5
Fanling/SS	18.6	18.6	19.7	19.9	19.7	30.4
Shatin	36.6	36.5	36.0	36.2	36.1	17.9
Ma On Shan	15.8	15.8	17.0	17.1	18.0	40.4
Tseung Kwan O	27.8	27.8	29.4	36.0	37.8	24.5
North Lantau	2.6	2.6	5.7	5.8	14.2	40.7
Rural NWNT	13.8	13.8	30.4	33.7	33.5	5.3
Rural NENT	4.6	4.6	5.7	5.8	5.3	5.6
Rural SENT	4.4	4.4	5.6	5.7	5.6	7.4
Rural SWNT (N-Lantau)	6.9	6.9	7.2	7.4	7.3	7.3
METRO	358.4	358.7	370.3	383.3	388.9	409.3
NWNT	99.5	99.4	116.4	121.0	122.3	130.2
NENT	96.9	96.8	100.4	101.0	100.6	111.1
SENT	32.2	32.2	35.1	41.7	43.4	46.0
SWNT	9.6	9.6	12.9	13.2	21.6	31.8
Total	596.6	596.6	635.0	660.2	676.9	728.4

C6. cont/. Projected Daily COD Loads By District (tonne/day)

(b) Employed Loads : COD (tonnes/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	9.6	9.6	9.5	9.6	13.7	14.5
Wan Chai	6.4	6.5	6.8	7.0	6.8	7.2
Eastern	20.7	20.7	19.9	20.2	19.2	19.5
Southern	9.2	9.2	9.2	9.3	10.3	11.2
Yau Ma Tei	7.2	7.3	7.6	7.9	7.6	7.8
Mong Kok	4.6	4.6	4.5	4.6	4.5	4.5
Sham Shui Po	12.3	12.3	12.1	12.4	11.6	11.7
Kowloon City	15.6	15.6	17.7	18.0	18.1	18.2
Kwun Tong	17.5	17.5	18.1	22.1	17.3	24.2
Wong Tai Sin	15.6	15.6	15.3	15.5	14.8	14.9
Tsuen Wan	7.3	7.3	7.9	8.6	8.2	8.3
Kwai Chung	9.6	9.6	9.1	9.3	8.7	8.8
Tsing Yi	5.9	5.9	5.9	6.0	5.8	6.1
Tuen Mun	17.6	17.6	18.4	18.7	17.6	18.0
Yuen Long	4.9	4.9	5.4	5.8	6.6	6.6
Tin Shui Wai	11.5	11.5	11.5	11.7	12.0	12.0
Tai Po	8.1	8.1	8.9	9.0	8.6	8.6
Fanling/SS	6.8	6.8	7.7	7.9	8.0	12.5
Shatin	15.2	15.2	14.8	15.0	13.7	13.8
Ma On Shan	6.0	6.0	6.8	6.9	7.3	7.3
Tseung Kwan O	10.3	10.3	11.0	14.0	14.7	15.9
North Lantau	1.1	1.1	2.4	2.5	6.0	10.4
Rural NWNT	4.8	4.8	11.7	13.1	13.0	15.9
Rural NENT	1.5	1.5	2.3	2.3	2.1	2.1
Rural SENT	1.7	1.7	2.3	2.3	2.2	2.2
Rural SWNT (N-Lantau)	2.7	2.7	3.2	3.3	3.3	3.3
METRO	141.5	141.7	143.5	150.6	146.8	157.0
NWNT	38.9	38.9	47.0	49.3	49.1	52.6
NENT	37.6	37.5	40.5	41.1	39.7	44.3
SENT	12.0	12.0	13.3	16.3	17.0	18.1
SWNT	3.8	3.8	5.6	5.8	9.3	13.7
Total	233.8	233.8	249.9	263.1	261.8	285.6

C6. cont/. Projected Daily COD Loads By District (tonne/day)

(c) Industrial Loads : COD (tonnes/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	60444	60470	62213	65894	65469	72018
Wan Chai	28430	28461	30010	31178	30960	33214
Eastern	71461	71454	56314	56296	46063	46524
Southern	34549	34527	29148	28914	27352	27139
Yau Ma Tei	40298	40280	43304	45251	43366	46079
Mong Kok	45574	45539	40065	40225	34629	34745
Sham Shui Po	115116	115092	117962	116794	106268	103569
Kowloon City	83279	83228	73698	74581	70927	71478
Kwun Tong	206376	206401	172768	174843	145824	146660
Wong Tai Sin	76113	76101	63236	62453	52455	52033
Tsuen Wan	57839	57823	48993	48908	42465	41836
Kwai Chung	211197	211134	163223	161009	123570	119882
Tsing Yi	27657	27653	22923	22667	19379	18824
Tuen Mun	62824	62779	58686	58115	49569	48454
Yuen Long	27700	27677	30376	30183	27546	27132
Tin Shui Wai	5972	6042	6084	6113	6145	6157
Tai Po	47063	47043	38353	38197	32890	32551
Fanling/SS	13430	13400	12517	13199	12306	16054
Shatin	51794	51756	44379	44641	38884	38117
Ma On Shan	3576	3564	3854	3835	3850	3760
Tseung Kwan O	15241	15255	18984	20396	17865	18446
North Lantau	28126	28266	36901	37235	47997	50714
Rural NWNT	19035	19023	21001	22874	19462	25608
Rural NENT	5848	5993	5229	16523	4487	26818
Rural SENT	7693	7684	5371	5175	3153	2794
Rural SWNT (N-Lantau)	2780	2771	2839	2872	2737	2749
METRO	1058341	1058169	923864	929020	808732	814008
NWNT	115534	115524	116148	117284	102720	107350
NENT	121713	121760	104333	116394	92418	117300
SENT	22932	22937	24356	25572	21021	21242
SWNT	30907	31037	39740	40108	50734	53464
Total	1349429	1349429	1208443	1228379	1075628	1113366

C7. Projected Daily SS Loads By District (tonne/day)

(a) Residential Loads (inc. comm) SS (tonnes/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	10.6	10.7	10.7	10.8	15.4	16.1
Wan Chai	7.2	7.3	7.8	7.9	8.0	8.3
Eastern	22.9	22.9	22.6	22.8	22.9	23.1
Southern	10.4	10.3	10.4	10.4	11.9	12.8
Yau Ma Tei	8.0	8.1	8.5	8.8	8.8	8.9
Mong Kok	5.4	5.4	5.4	5.5	5.5	5.5
Sham Shui Po	14.1	14.2	14.3	14.4	14.3	14.3
Kowloon City	17.6	17.6	20.4	20.5	21.3	21.2
Kwun Tong	19.4	19.5	20.6	24.5	20.4	27.2
Wong Tai Sin	17.9	17.8	17.7	17.8	17.7	17.6
Tsuen Wan	8.2	8.2	9.0	9.7	9.5	9.6
Kwai Chung	10.7	10.7	10.6	10.7	10.6	10.6
Tsing Yi	6.8	6.8	6.5	6.6	6.5	6.8
Tuen Mun	19.0	18.9	19.2	19.4	19.3	19.6
Yuen Long	6.1	6.1	6.3	6.7	7.4	7.4
Tin Shui Wai	13.0	13.0	12.7	12.7	12.7	12.7
Tai Po	9.5	9.4	9.7	9.8	9.6	9.5
Fanling/SS	8.3	8.2	8.8	8.8	8.7	13.5
Shatin	16.2	16.2	16.0	16.1	16.0	16.0
Ma On Shan	7.0	7.0	7.6	7.6	8.0	8.0
Tseung Kwan O	12.4	12.3	13.1	16.0	16.8	17.9
North Lantau	1.2	1.2	2.5	2.6	6.3	10.8
Rural NWNT	6.2	6.1	13.5	15.0	14.9	18.1
Rural NENT	2.1	2.1	2.6	2.6	2.4	2.4
Rural SENT	2.0	2.0	2.5	2.5	2.5	2.5
Rural SWNT (N-Lantau)	3.1	3.1	3.2	3.3	3.3	3.3
METRO	159.3	159.4	164.6	170.4	172.9	181.9
NWNT	44.2	44.2	51.7	53.8	54.4	57.9
NENT	43.1	43.0	44.6	44.9	44.7	49.4
SENT	14.3	14.3	15.6	18.5	19.3	20.4
SWNT	4.3	4.2	5.7	5.9	9.6	14.1
Total	265.2	265.2	282.2	293.4	300.8	323.7

C7. cont/. Projected Daily SS Loads By District (tonne/day)

(b) Employed Loads : SS (tonnes/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	4.7	4.7	4.6	4.7	6.7	7.0
Wan Chai	3.1	3.1	3.3	3.4	3.3	3.5
Eastern	10.0	10.0	9.7	9.8	9.3	9.5
Southern	4.5	4.5	4.5	4.5	5.0	5.4
Yau Ma Tei	3.5	3.5	3.7	3.8	3.7	3.8
Mong Kok	2.2	2.2	2.2	2.2	2.2	2.2
Sham Shui Po	6.0	6.0	5.9	6.0	5.6	5.7
Kowloon City	7.6	7.6	8.6	8.7	8.8	8.8
Kwun Tong	8.5	8.5	8.8	10.7	8.4	11.8
Wong Tai Sin	7.6	7.6	7.4	7.5	7.2	7.2
Tsuen Wan	3.6	3.5	3.8	4.2	4.0	4.0
Kwai Chung	4.7	4.7	4.4	4.5	4.2	4.3
Tsing Yi	2.9	2.9	2.8	2.9	2.8	3.0
Tuen Mun	8.6	8.6	9.0	9.1	8.5	8.8
Yuen Long	2.4	2.4	2.6	2.8	3.2	3.2
Tin Shui Wai	5.6	5.6	5.6	5.7	5.8	5.8
Tai Po	3.9	3.9	4.3	4.4	4.2	4.2
Fanling/SS	3.3	3.3	3.8	3.8	3.9	6.1
Shatin	7.4	7.4	7.2	7.3	6.7	6.7
Ma On Shan	2.9	2.9	3.3	3.4	3.5	3.5
Tseung Kwan O	5.0	5.0	5.4	6.8	7.2	7.7
North Lantau	0.5	0.5	1.2	1.2	2.9	5.1
Rural NWNT	2.3	2.3	5.7	6.4	6.3	7.7
Rural NENT	0.7	0.7	1.1	1.1	1.0	1.0
Rural SENT	0.8	0.8	1.1	1.1	1.1	1.1
Rural SWNT (N-Lantau)	1.3	1.3	1.6	1.6	1.6	1.6
METRO	68.7	68.8	69.7	73.2	71.3	76.2
NWNT	18.9	18.9	22.8	23.9	23.8	25.6
NENT	18.3	18.2	19.7	19.9	19.3	21.5
SENT	5.8	5.8	6.5	7.9	8.2	8.8
SWNT	1.8	1.8	2.7	2.8	4.5	6.6
Total	113.6	113.6	121.4	127.8	127.2	138.7

C7. cont/. Projected Daily SS Loads By District (tonne/day)

(c) Industrial Loads : SS (tonnes/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	11416	11422	12138	12982	13027.6	14467.1
Wan Chai	5532	5537	5917	6194	6200.7	6709.6
Eastern	11881	11878	9543	9589	7951.4	8136.2
Southern	5583	5578	4745	4723	4470.2	4454.5
Yau Ma Tei	7528	7521	8248	8685	8383.6	8975.6
Mong Kok	7845	7837	7044	7119	6198.2	6290.0
Sham Shui Po	18676	18670	19216	19069	17400.1	17032.4
Kowloon City	13795	13785	12428	12699	12215.6	12409.6
Kwun Tong	33256	33261	28072	28532	23989.4	24253.7
Wong Tai Sin	12136	12134	10149	10040	8485.8	8516.4
Tsuen Wan	9454	9450	8137	8153	7227.3	7183.7
Kwai Chung	33634	33623	26093	25772	19944.3	19416.1
Tsing Yi	4373	4372	3630	3592	3072.0	2988.6
Tuen Mun	10001	9992	9361	9282	7925.3	7765.3
Yuen Long	4473	4469	4903	4878	4461.8	4421.4
Tin Shui Wai	954	971	985	998	1015.6	1032.8
Tai Po	7494	7490	6124	6104	5263.7	5217.4
Fanling/SS	2203	2198	2069	2216	2039.0	2753.2
Shatin	8437	8430	7296	7356	6432.4	6345.2
Ma On Shan	588	586	631	631	629.8	620.1
Tseung Kwan O	2449	2451	3059	3281	2878.2	2975.0
North Lantau	4414	4443	5834	5908	7602.8	8056.8
Rural NWNT	3025	3030	3322	3642	3080.9	4113.1
Rural NENT	935	957	837	2620	720.5	4246.3
Rural SENT	1231	1229	864	835	515.1	460.0
Rural SWNT (N-Lantau)	450	448	459	465	443.5	446.5
METRO	175114	175074	155365	157155	138566.2	140833.5
NWNT	18454	18464	18573	18800	16483.3	17332.3
NENT	19659	19662	16958	18928	15085.3	19181.9
SENT	3680	3681	3924	4116	3393.6	3435.3
SWNT	4864	4891	6294	6374	8046.3	8503.4
Total	221773	221773	201116	205375	181574.6	189286.4



**C8. Projected Daily TKN Loads By District (tonne/day)**

**(a) Residential Loads (inc. comm) TKN (tonnes/day)**

Location	2001		2006		2011	
	A	B	A	B	A	B
<b>Summary by District</b>						
Central & Western	2.3	2.3	2.3	2.3	3.3	3.4
Wan Chai	1.5	1.6	1.6	1.7	1.7	1.8
Eastern	4.9	4.9	4.8	4.8	4.9	4.9
Southern	2.2	2.2	2.2	2.2	2.5	2.7
Yau Ma Tei	1.7	1.7	1.8	1.9	1.9	1.9
Mong Kok	1.1	1.1	1.2	1.2	1.2	1.2
Sham Shui Po	3.0	3.0	3.0	3.1	3.0	3.0
Kowloon City	3.7	3.7	4.3	4.4	4.5	4.5
Kwun Tong	4.1	4.1	4.4	5.2	4.3	5.8
Wong Tai Sin	3.8	3.8	3.8	3.8	3.8	3.7
Tsuen Wan	1.8	1.7	1.9	2.1	2.0	2.0
Kwai Chung	2.3	2.3	2.3	2.3	2.3	2.2
Tsing Yi	1.4	1.4	1.4	1.4	1.4	1.4
Tuen Mun	4.0	4.0	4.1	4.1	4.1	4.2
Yuen Long	1.3	1.3	1.3	1.4	1.6	1.6
Tin Shui Wai	2.8	2.8	2.7	2.7	2.7	2.7
Tai Po	2.0	2.0	2.1	2.1	2.0	2.0
Fanling/SS	1.8	1.8	1.9	1.9	1.9	2.9
Shatin	3.5	3.4	3.4	3.4	3.4	3.4
Ma On Shan	1.5	1.5	1.6	1.6	1.7	1.7
Tseung Kwan O	2.6	2.6	2.8	3.4	3.6	3.8
North Lantau	0.2	0.3	0.5	0.5	1.3	2.3
Rural NWNT	1.3	1.3	2.9	3.2	3.2	3.8
Rural NENT	0.4	0.4	0.5	0.5	0.5	0.5
Rural SENT	0.4	0.4	0.5	0.5	0.5	0.5
Rural SWNT (N-Lantau)	0.7	0.7	0.7	0.7	0.7	0.7
<b>METRO</b>	<b>33.8</b>	<b>33.9</b>	<b>35.0</b>	<b>36.2</b>	<b>36.7</b>	<b>38.7</b>
NWNT	9.4	9.4	11.0	11.4	11.6	12.3
NENT	9.2	9.1	9.5	9.5	9.5	10.5
SENT	3.0	3.0	3.3	3.9	4.1	4.3
SWNT	0.9	0.9	1.2	1.2	2.0	3.0
<b>Total</b>	<b>56.3</b>	<b>56.3</b>	<b>60.0</b>	<b>62.4</b>	<b>63.9</b>	<b>68.8</b>

C8. cont/. Projected Daily TKN Loads By District (tonne/day)

(b) Employed Loads : TKN (tonnes/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	9.2	9.2	9.1	9.2	13.1	13.9
Wan Chai	6.1	6.2	6.5	6.7	6.6	6.9
Eastern	19.8	19.8	19.1	19.4	18.4	18.7
Southern	8.8	8.8	8.8	8.9	9.9	10.7
Yau Ma Tei	6.9	7.0	7.2	7.6	7.3	7.5
Mong Kok	4.4	4.4	4.3	4.4	4.3	4.3
Sham Shui Po	11.8	11.8	11.6	11.8	11.1	11.2
Kowloon City	14.9	14.9	16.9	17.2	17.4	17.4
Kwun Tong	16.7	16.8	17.3	21.2	16.6	23.2
Wong Tai Sin	15.0	14.9	14.6	14.9	14.1	14.2
Tsuen Wan	7.0	7.0	7.5	8.2	7.8	7.9
Kwai Chung	9.2	9.2	8.7	8.9	8.4	8.4
Tsing Yi	5.6	5.6	5.6	5.8	5.5	5.8
Tuen Mun	16.9	16.9	17.6	17.9	16.8	17.3
Yuen Long	4.7	4.7	5.2	5.6	6.3	6.3
Tin Shui Wai	11.0	11.0	11.0	11.2	11.4	11.5
Tai Po	7.7	7.7	8.5	8.6	8.3	8.2
Fanling/SS	6.5	6.5	7.4	7.5	7.6	12.0
Shatin	14.5	14.5	14.2	14.4	13.1	13.2
Ma On Shan	5.8	5.8	6.5	6.6	7.0	7.0
Tseung Kwan O	9.8	9.8	10.6	13.4	14.1	15.2
North Lantau	1.0	1.0	2.3	2.4	5.8	10.0
Rural NWNT	4.6	4.6	11.2	12.6	12.4	15.2
Rural NENT	1.4	1.4	2.2	2.2	2.0	2.0
Rural SENT	1.6	1.6	2.2	2.2	2.1	2.1
Rural SWNT (N-Lantau)	2.6	2.6	3.1	3.2	3.1	3.1
METRO	135.5	135.6	137.3	144.2	140.5	150.2
NWNT	37.3	37.2	45.0	47.2	47.0	50.3
NENT	36.0	35.9	38.8	39.3	38.0	42.4
SENT	11.5	11.4	12.7	15.6	16.2	17.3
SWNT	3.6	3.6	5.4	5.6	8.9	13.1
Total	223.8	223.8	239.2	251.8	250.6	273.4

**C8. cont/. Projected Daily TKN Loads By District (tonne/day)**

**(c) Industrial Loads : TKN (tonnes/day)**

Location	2001		2006		2011	
	A	B	A	B	A	B
<b>Summary by District</b>						
Central & Western	1960	1961	2198	2308	2434	2646
Wan Chai	942	943	1021	1051	1062	1130
Eastern	1016	1016	1041	1052	1023	1058
Southern	374	373	387	389	413	438
Yau Ma Tei	1355	1356	1506	1565	1531	1620
Mong Kok	474	473	506	520	494	518
Sham Shui Po	917	917	980	989	969	986
Kowloon City	883	881	1032	1078	1131	1218
Kwun Tong	1183	1184	1276	1471	1319	1562
Wong Tai Sin	510	510	540	539	537	568
Tsuen Wan	384	383	446	467	504	518
Kwai Chung	721	718	767	769	834	843
Tsing Yi	331	331	330	332	326	328
Tuen Mun	779	777	802	805	782	786
Yuen Long	213	212	225	232	246	252
Tin Shui Wai	318	319	319	318	315	311
Tai Po	276	275	290	288	275	269
Fanling/SS	288	287	308	337	313	467
Shatin	688	687	702	737	714	713
Ma On Shan	178	177	194	192	195	189
Tseung Kwan O	348	349	387	454	457	475
North Lantau	778	783	1066	1077	1481	1658
Rural NWNT	250	247	441	473	462	694
Rural NENT	75	84	90	95	89	84
Rural SENT	56	56	70	70	67	66
Rural SWNT (N-Lantau)	127	126	133	135	131	132
<b>METRO</b>	<b>11056</b>	<b>11052</b>	<b>12034</b>	<b>12537</b>	<b>12581</b>	<b>13437</b>
NWNT	1560	1556	1789	1829	1806	2044
NENT	1507	1511	1586	1651	1589	1725
SENT	405	405	458	524	525	541
SWNT	905	910	1199	1212	1612	1790
<b>Total</b>	<b>15435</b>	<b>15435</b>	<b>17068</b>	<b>17755</b>	<b>18115</b>	<b>19539</b>

C9. Projected Daily NH<sub>3</sub> Loads By District (tonne/day)

(a) Residential Loads (inc. comm) NH<sub>3</sub> (tonnes/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	1.3	1.3	1.3	1.3	1.9	2.0
Wan Chai	0.9	0.9	1.0	1.0	1.0	1.0
Eastern	2.9	2.9	2.8	2.8	2.9	2.9
Southern	1.3	1.3	1.3	1.3	1.5	1.6
Yau Ma Tei	1.0	1.0	1.1	1.1	1.1	1.1
Mong Kok	0.7	0.7	0.7	0.7	0.7	0.7
Sham Shui Po	1.8	1.8	1.8	1.8	1.8	1.8
Kowloon City	2.2	2.2	2.6	2.6	2.7	2.7
Kwun Tong	2.4	2.4	2.6	3.1	2.6	3.4
Wong Tai Sin	2.2	2.2	2.2	2.2	2.2	2.2
Tsuen Wan	1.0	1.0	1.1	1.2	1.2	1.2
Kwai Chung	1.3	1.3	1.3	1.3	1.3	1.3
Tsing Yi	0.8	0.8	0.8	0.8	0.8	0.8
Tuen Mun	2.4	2.4	2.4	2.4	2.4	2.4
Yuen Long	0.8	0.8	0.8	0.8	0.9	0.9
Tin Shui Wai	1.6	1.6	1.6	1.6	1.6	1.6
Tai Po	1.2	1.2	1.2	1.2	1.2	1.2
Fanling/SS	1.0	1.0	1.1	1.1	1.1	1.7
Shatin	2.0	2.0	2.0	2.0	2.0	2.0
Ma On Shan	0.9	0.9	0.9	1.0	1.0	1.0
Tseung Kwan O	1.5	1.5	1.6	2.0	2.1	2.2
North Lantau	0.1	0.1	0.3	0.3	0.8	1.4
Rural NWNT	0.8	0.8	1.7	1.9	1.9	2.3
Rural NENT	0.3	0.3	0.3	0.3	0.3	0.3
Rural SENT	0.2	0.2	0.3	0.3	0.3	0.3
Rural SWNT (N-Lantau)	0.4	0.4	0.4	0.4	0.4	0.4
METRO	19.9	19.9	20.6	21.3	21.6	22.7
NWNT	5.5	5.5	6.5	6.7	6.8	7.2
NENT	5.4	5.4	5.6	5.6	5.6	6.2
SENT	1.8	1.8	1.9	2.3	2.4	2.6
SWNT	0.5	0.5	0.7	0.7	1.2	1.8
Total	33.1	33.1	35.3	36.7	37.6	40.5

C9. cont/. Projected Daily NH<sub>3</sub> Loads By District (tonne/day)

(b) Employed Loads : NH<sub>3</sub> (tonnes/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	0.5	0.6	0.5	0.6	0.8	0.8
Wan Chai	0.4	0.4	0.4	0.4	0.4	0.4
Eastern	1.2	1.2	1.1	1.2	1.1	1.1
Southern	0.5	0.5	0.5	0.5	0.6	0.6
Yau Ma Tei	0.4	0.4	0.4	0.5	0.4	0.4
Mong Kok	0.3	0.3	0.3	0.3	0.3	0.3
Sham Shui Po	0.7	0.7	0.7	0.7	0.7	0.7
Kowloon City	0.9	0.9	1.0	1.0	1.0	1.0
Kwun Tong	1.0	1.0	1.0	1.3	1.0	1.4
Wong Tai Sin	0.9	0.9	0.9	0.9	0.8	0.8
Tsuen Wan	0.4	0.4	0.4	0.5	0.5	0.5
Kwai Chung	0.6	0.5	0.5	0.5	0.5	0.5
Tsing Yi	0.3	0.3	0.3	0.3	0.3	0.3
Tuen Mun	1.0	1.0	1.1	1.1	1.0	1.0
Yuen Long	0.3	0.3	0.3	0.3	0.4	0.4
Tin Shui Wai	0.7	0.7	0.7	0.7	0.7	0.7
Tai Po	0.5	0.5	0.5	0.5	0.5	0.5
Fanling/SS	0.4	0.4	0.4	0.4	0.5	0.7
Shatin	0.9	0.9	0.8	0.9	0.8	0.8
Ma On Shan	0.3	0.3	0.4	0.4	0.4	0.4
Tseung Kwan O	0.6	0.6	0.6	0.8	0.8	0.9
North Lantau	0.1	0.1	0.1	0.1	0.3	0.6
Rural NWNT	0.3	0.3	0.7	0.8	0.7	0.9
Rural NENT	0.1	0.1	0.1	0.1	0.1	0.1
Rural SENT	0.1	0.1	0.1	0.1	0.1	0.1
Rural SWNT (N-Lantau)	0.2	0.2	0.2	0.2	0.2	0.2
METRO	8.1	8.1	8.2	8.6	8.4	9.0
NWNT	2.2	2.2	2.7	2.8	2.8	3.0
NENT	2.1	2.1	2.3	2.3	2.3	2.5
SENT	0.7	0.7	0.8	0.9	1.0	1.0
SWNT	0.2	0.2	0.3	0.3	0.5	0.8
Total	13.4	13.4	14.3	15.0	15.0	16.3

C9. cont/. Projected Daily NH<sub>3</sub> Loads By District (tonne/day)

(c) Industrial Loads : NH<sub>3</sub> (tonnes/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	1106	1106	1219	1266	1338	1438
Wan Chai	517	518	556	567	570	600
Eastern	608	609	620	622	605	617
Southern	233	232	240	239	256	271
Yau Ma Tei	777	777	852	878	857	899
Mong Kok	248	247	262	267	253	262
Sham Shui Po	552	552	584	587	575	580
Kowloon City	516	515	600	617	643	690
Kwun Tong	709	710	759	874	771	918
Wong Tai Sin	322	322	338	335	332	343
Tsuen Wan	220	220	254	265	280	284
Kwai Chung	443	441	470	469	504	505
Tsing Yi	216	216	215	216	212	213
Tuen Mun	502	501	517	517	503	504
Yuen Long	130	129	137	141	150	151
Tin Shui Wai	207	208	207	205	202	198
Tai Po	174	174	183	182	173	169
Fanling/SS	181	180	193	208	196	285
Shatin	426	425	432	453	440	436
Ma On Shan	114	114	125	124	126	121
Tseung Kwan O	224	224	247	292	294	305
North Lantau	512	515	698	703	968	1082
Rural NWNT	162	159	288	307	302	448
Rural NENT	48	54	58	61	57	54
Rural SENT	35	35	44	44	42	41
Rural SWNT (N-Lantau)	82	82	86	87	85	85
METRO	6473	6471	6974	7210	7201	7626
NWNT	1002	998	1150	1172	1158	1303
NENT	945	948	993	1029	994	1067
SENT	260	260	292	336	337	347
SWNT	595	597	785	791	1054	1168
Total	9276	9276	10195	10539	10746	11511

**C10. Projected Daily E.Coli Loads By District (counts/day)**

**(a) Residential Loads (inc. comm) E.Coli (counts/day)**

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	1.14E+16	1.15E+16	1.15E+16	1.16E+16	1.65E+16	1.73E+16
Wan Chai	7.76E+15	7.85E+15	8.35E+15	8.49E+15	8.64E+15	8.96E+15
Eastern	2.47E+16	2.47E+16	2.43E+16	2.45E+16	2.46E+16	2.48E+16
Southern	1.11E+16	1.11E+16	1.12E+16	1.12E+16	1.28E+16	1.38E+16
Yau Ma Tei	8.63E+15	8.71E+15	9.16E+15	9.45E+15	9.42E+15	9.55E+15
Mong Kok	5.81E+15	5.80E+15	5.85E+15	5.90E+15	5.96E+15	5.93E+15
Sham Shui Po	1.52E+16	1.52E+16	1.54E+16	1.55E+16	1.53E+16	1.54E+16
Kowloon City	1.89E+16	1.89E+16	2.20E+16	2.21E+16	2.29E+16	2.28E+16
Kwun Tong	2.08E+16	2.09E+16	2.21E+16	2.63E+16	2.20E+16	2.93E+16
Wong Tai Sin	1.92E+16	1.92E+16	1.90E+16	1.91E+16	1.90E+16	1.89E+16
Tsuen Wan	8.83E+15	8.82E+15	9.68E+15	1.04E+16	1.03E+16	1.03E+16
Kwai Chung	1.15E+16	1.15E+16	1.14E+16	1.15E+16	1.14E+16	1.14E+16
Tsing Yi	7.28E+15	7.27E+15	6.99E+15	7.12E+15	6.99E+15	7.29E+15
Tuen Mun	2.04E+16	2.03E+16	2.07E+16	2.08E+16	2.07E+16	2.11E+16
Yuen Long	6.59E+15	6.58E+15	6.77E+15	7.18E+15	8.00E+15	8.01E+15
Tin Shui Wai	1.40E+16	1.40E+16	1.36E+16	1.37E+16	1.37E+16	1.37E+16
Tai Po	1.02E+16	1.02E+16	1.05E+16	1.05E+16	1.03E+16	1.03E+16
Fanling/SS	8.88E+15	8.87E+15	9.42E+15	9.49E+15	9.39E+15	1.45E+16
Shatin	1.75E+16	1.74E+16	1.72E+16	1.73E+16	1.72E+16	1.72E+16
Ma On Shan	7.57E+15	7.56E+15	8.14E+15	8.18E+15	8.60E+15	8.57E+15
Tseung Kwan O	1.33E+16	1.33E+16	1.41E+16	1.72E+16	1.81E+16	1.93E+16
North Lantau	1.26E+15	1.26E+15	2.71E+15	2.75E+15	6.80E+15	1.17E+16
Rural NWNT	6.61E+15	6.60E+15	1.45E+16	1.61E+16	1.60E+16	1.94E+16
Rural NENT	2.22E+15	2.21E+15	2.74E+15	2.76E+15	2.54E+15	2.53E+15
Rural SENT	2.11E+15	2.10E+15	2.69E+15	2.71E+15	2.68E+15	2.67E+15
Rural SWNT (N-Lantau)	3.31E+15	3.31E+15	3.45E+15	3.54E+15	3.50E+15	3.50E+15
METRO	1.71E+17	1.71E+17	1.77E+17	1.83E+17	1.86E+17	1.96E+17
NWNT	4.76E+16	4.75E+16	5.56E+16	5.78E+16	5.84E+16	6.22E+16
NENT	4.63E+16	4.62E+16	4.80E+16	4.83E+16	4.81E+16	5.31E+16
SENT	1.54E+16	1.54E+16	1.68E+16	1.99E+16	2.08E+16	2.20E+16
SWNT	4.57E+15	4.56E+15	6.16E+15	6.30E+15	1.03E+16	1.52E+16
Total	2.85E+17	2.85E+17	3.03E+17	3.15E+17	3.23E+17	3.48E+17

C10 cont/. Projected Daily E.Coli Loads By District (counts/day)

(b) Employed Loads : E. Coli (counts/day)

Location	2001		2006		2011	
	A	B	A	B	A	B
Summary by District						
Central & Western	4.81E+15	4.82E+15	4.74E+15	4.82E+15	6.86E+15	7.25E+15
Wan Chai	3.20E+15	3.24E+15	3.41E+15	3.51E+15	3.42E+15	3.60E+15
Eastern	1.03E+16	1.03E+16	9.96E+15	1.01E+16	9.61E+15	9.76E+15
Southern	4.60E+15	4.59E+15	4.58E+15	4.65E+15	5.16E+15	5.60E+15
Yau Ma Tei	3.60E+15	3.64E+15	3.78E+15	3.95E+15	3.81E+15	3.90E+15
Mong Kok	2.30E+15	2.29E+15	2.26E+15	2.30E+15	2.26E+15	2.27E+15
Sham Shui Po	6.14E+15	6.15E+15	6.07E+15	6.19E+15	5.80E+15	5.87E+15
Kowloon City	7.80E+15	7.79E+15	8.85E+15	9.00E+15	9.07E+15	9.11E+15
Kwun Tong	8.74E+15	8.77E+15	9.03E+15	1.11E+16	8.66E+15	1.21E+16
Wong Tai Sin	7.81E+15	7.80E+15	7.63E+15	7.76E+15	7.38E+15	7.43E+15
Tsuen Wan	3.66E+15	3.65E+15	3.93E+15	4.29E+15	4.09E+15	4.13E+15
Kwai Chung	4.82E+15	4.81E+15	4.56E+15	4.64E+15	4.37E+15	4.41E+15
Tsing Yi	2.95E+15	2.94E+15	2.93E+15	3.01E+15	2.90E+15	3.05E+15
Tuen Mun	8.82E+15	8.81E+15	9.22E+15	9.35E+15	8.78E+15	9.02E+15
Yuen Long	2.47E+15	2.47E+15	2.70E+15	2.91E+15	3.29E+15	3.31E+15
Tin Shui Wai	5.77E+15	5.77E+15	5.74E+15	5.83E+15	5.98E+15	6.01E+15
Tai Po	4.04E+15	4.04E+15	4.43E+15	4.48E+15	4.31E+15	4.31E+15
Fanling/SS	3.39E+15	3.39E+15	3.87E+15	3.93E+15	3.98E+15	6.26E+15
Shatin	7.59E+15	7.58E+15	7.40E+15	7.50E+15	6.86E+15	6.88E+15
Ma On Shan	3.02E+15	3.02E+15	3.42E+15	3.47E+15	3.64E+15	3.65E+15
Tsung Kwan O	5.14E+15	5.13E+15	5.52E+15	7.01E+15	7.37E+15	7.93E+15
North Lantau	5.28E+14	5.27E+14	1.22E+15	1.25E+15	3.01E+15	5.21E+15
Rural NWNT	2.40E+15	2.39E+15	5.83E+15	6.57E+15	6.49E+15	7.96E+15
Rural NENT	7.49E+14	7.47E+14	1.13E+15	1.15E+15	1.05E+15	1.05E+15
Rural SENT	8.49E+14	8.48E+14	1.13E+15	1.14E+15	1.12E+15	1.12E+15
Rural SWNT (N-Lantau)	1.36E+15	1.36E+15	1.60E+15	1.66E+15	1.63E+15	1.64E+15
METRO	7.08E+16	7.08E+16	7.17E+16	7.53E+16	7.34E+16	7.85E+16
NWNT	1.95E+16	1.94E+16	2.35E+16	2.46E+16	2.45E+16	2.63E+16
NENT	1.88E+16	1.88E+16	2.03E+16	2.05E+16	1.98E+16	2.21E+16
SENT	5.99E+15	5.98E+15	6.65E+15	8.16E+15	8.48E+15	9.05E+15
SWNT	1.89E+15	1.89E+15	2.82E+15	2.92E+15	4.64E+15	6.84E+15
Total	1.17E+17	1.17E+17	1.25E+17	1.32E+17	1.31E+17	1.43E+17



**C11. Estimated Flows in Excess of Disposal Capacity (% Exceedance)**

Location	Disposal Capacity (m <sup>3</sup> /d)	2001		2006		2011	
		A	B	A	B	A	B
METRO SSDS I Sham Tseng	under separate review						
NWNT Tuen Mun Yuen Long TSW Rural NWNT	192,000 70,000 }220,000 }	46% 61% -7%	46% 61% -5%	44% 71% 20%	45% 75% 30%	35% 76% 25%	36% 116% 48%
NENT Tai Po Fanling/SS Sha Tin Ma On Shan Rural NENT	90,000 59,880 }308,610 }	70% 54%	70% 54%	40% 157%	40% 95%	10% 62%	15% 142%
SENT TKO Rural SENT	SSDS 15,200	156%	110%	105%	104%	74%	71%
SWNT N. Lantau Rural SWNT	200,000	-50%	-50%	-45%	-33%	-91%	14%

- Note (1) - ve sign indicates spare capacity (before considering peaking factors)  
 (2) The disposal capacities were taken from Table C2 for illustrative purposes only with the estimated flow rates given Table C4.

**C12. Current Pollution Status of Coastal Waters and Land Uses Associated with the Strategic Residential Developments**

Location	Water Quality Status	A	B
METRO Kai Tak Kowloon Bay HK South Green Island	Acceptable Acceptable Acceptable	X R X	R,I,H,O R R,I,H,O
NWNT Rural NWNT San Tin/Lok Ma Chau Tuen Mun E Kam Tin Yuen Long South	Gross poll -/- Poor Poor Poor	X X X R,I,O,H R,O	R R,O,I,H R R,I,O,H R,O
NENT Whitehead Fanling North	Poor Poor	R X	R R,O
SENT TKO	Poor	R,I	R,I
SWNT Tung Chung Tai Ho	Poor Poor	R,O -	R,O R,O

Note :

R = Residential

I = Industrial

H = Hotel

O = Offices

The purpose of including this performance measure was to emphasise the aesthetic implications of development adjacent to sensitive or confined water bodies.

**C13. Proximity of Outfall to SSSI, Marine Conservation Areas, Mariculture Zones and Gazetted Beaches.**

Location	MCA	MCZ	GB	2011	
				A	B
METRO Kai Tak Kowloon Bay HK South Green Island	x x x	x x x	x x x		
NWNT Rural NWNT San Tin/Lok Ma Chau Yuen Long South Kam Tin Tuen Mun E	x x x x x	x < 1km 2km x x	x x x x < 2km		
NENT Whitehead Fanling North	x x	3km x	x x	5,000	- 5,000
SWNT Tung Chung 3 & 4 Tai Ho	x x	x x	x x		
SENT TKO	x	x	x		

Note (1) distances greater than 5km where not considered in this assessment  
 (2) \* not gazetted but nonetheless a popular beach  
 MAC Marine Conservation Area  
 MCZ Mariculture Zone  
 GB Gazetted Beach



**C15 Population Adjacent to Confined or Sensitive Water Bodies**

Strategic Growth Areas	Possible Population (in '000)	
	Scenario A	Scenario B
NWNT		
Rural NWNT	-	10
San Tin/Lok Ma Chau	-	10
Tuen Mun East	-	10
Kam Tin	10	20
Yuen Long South	20	20
NENT		
Whitehead	5	5
Fanling North	-	20
SWNT		
Tung Chung Phase 2, 3 & 4	115	115
Tai Ho	-	120
SWNT		
Tseung Kwan O Ext.	20	50
<b>Total</b>	<b>170</b>	<b>380</b>