ANNEX B

SUPPORTING DATA FOR WACS SURVEY IN RAINY SEASON

Results of Waste Amount Survey in Rainy Season in Quezon (Source : Household Waste-High Income)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
RH-01	14	5,750	6,000	4,250	5,750	3,250	4,750	2,750	32,500	4,643	332
RH-02	4	1,750	2,750	1,000	3,750	4,250	3,000	2,500	19,000	2,714	679
RH-03	7	3,000	4,500	2,750	2,000	4,500	3,500	2,750	23,000	3,286	469
RH-04	8	2,000	2,750	3,250	2,000	3,750	3,250	2,000	19,000	2,714	339
RH-05	4	3,000	4,500	3,000	4,750	7,000	2,750	3,000	28,000	4,000	1,000
RH-06	3	2,500	2,750	2,750	4,000	2,000	3,000	2,250	19,250	2,750	917
RH-07	5	9,500	6,000	8,000	7,750	6,750	4,250	4,000	46,250	6,607	1,321
RH-08	12	4,500	4,750	4,250	3,000	2,500	3,000	3,500	25,500	3,643	304
RH-09	10	3,000	4,500	2,250	2,750	2,250	2,500	2,750	20,000	2,857	286
RH-10	10	5,250	2,750	3,500	4,250	3,000	2,750	4,000	25,500	3,643	364
RH-11	6	1,250	1,750	1,500	3,750	2,000	3,250	2,750	16,250	2,321	387
RH-12	8	2,250	3,750	2,750	2,000	2,500	3,000	2,750	19,000	2,714	339
RH-13	7	1,250	3,500	2,750	4,750	3,000	2,750	4,500	22,500	3,214	459
RH-14	6	1,250	2,500	1,250	3,000	1,750	3,250	1,500	14,500	2,071	345
RH-15	4	1,250	3,500	3,750	3,750	1,750	3,500	1,500	19,000	2,714	679
RH-16	15	1,000	4,000	3,750	4,250	3,000	4,500	3,500	24,000	3,429	229
RH-17	7	1,500	11,000	5,250	8,250	6,750	9,250	5,750	47,750	6,821	974
RH-18	12	4,000	10,000	7,750	6,000	4,250	5,750	6,750	44,500	6,357	530
RH-19	9	2,000	3,000	3,250	4,500	5,500	3,250	2,750	24,250	3,464	385
RH-20	11	8,000	5,000	7,250	5,250	6,000	7,500	5,750	44,750	6,393	581
	162									76,357	471

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Quezon (Source : Household Waste-Middle Income) (Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
RM-01	10	5,500	750	4,000	2,500	4,500	2,250	4,000	23,500	3,357	336
RM-02	4	6,250	1,500	5,000	2,750	2,000	6,000	2,000	25,500	3,643	911
RM-03	11	3,250	500	2,000	6,000	2,500	2,000	1,500	17,750	2,536	231
RM-04	4	750	250	500	750	250	250	500	3,250	464	116
RM-05	8	2,750	4,500	250	5,250	250	1,000	1,500	15,500	2,214	277
RM-06	7	6,500	7,000	2,750	7,250	5,000	6,230	8,000	42,730	6,104	872
RM-07	6	750	3,250	750	2,250	500	500	2,500	10,500	1,500	250
RM-08	4	8,750	9,500	13,250	16,250	13,500	9,250	7,750	78,250	11,179	2,795
RM-09	12	3,750	1,750	2,750	2,500	4,750	750	8,250	24,500	3,500	292
RM-10	9	3,000	5,250	4,000	3,500	2,750	5,250	10,000	33,750	4,821	536
RM-11	8	14,000	5,250	4,500	3,500	3,750	5,500	2,500	39,000	5,571	696
RM-12	10	15,750	3,250	2,750	1,000	1,250	3,500	2,500	30,000	4,286	429
RM-13	5	4,000	12,250	19,500	9,500	3,500	6,250	4,250	59,250	8,464	1,693
RM-14	4	2,250	3,500	2,750	3,750	4,500	3,000	5,000	24,750	3,536	884
RM-15	4	4,000	4,250	5,000	4,000	3,250	5,000	4,000	29,500	4,214	1,054
RM-16	5	4,000	3,250	5,750	2,250	1,750	3,500	5,000	25,500	3,643	729
RM-17	4	750	2,250	750	750	3,000	250	500	8,250	1,179	295
RM-18	15	2,500	2,750	2,000	3,250	1,250	1,000	750	13,500	1,929	129
RM-19	9	3,000	2,000	3,250	3,750	3,250	3,500	2,000	20,750	2,964	329
RM-20	4	250	250	500	1,250	2,500	500	750	6,000	857	214
	143									64,783	453

The data in shade row is not adopted due to fluctuation compare with other data.

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Quezon (Source : Household Waste-Low Income)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
RL-01	4	4,500	2,300	3,000	2,500	3,000	2,500	4,500	22,300	3,186	796
RL-02	4	2,000	2,000	700	1,000	1,500	2,000	1,300	10,500	1,500	375
RL-03	4	2,500	2,500	500	500	1,500	1,000	1,600	10,100	1,443	361
RL-04	6	2,000	400	500	800	2,000	1,000	1,500	8,200	1,171	195
RL-05	6	2,500	2,500	1,500	1,500	1,000	500	2,500	12,000	1,714	286
RL-06	5	800	300	500	500	1,700	1,000	500	5,300	757	151
RL-07	5	2,000	500	1,000	800	3,500	2,000	1,500	11,300	1,614	323
RL-08	2	2,500	400	1,500	600	1,500	1,500	1,000	9,000	1,286	643
RL-09	5	2,500	500	300	2,500	1,000	500	1,000	8,300	1,186	237
RL-10	4	3,500	2,500	2,000	2,500	2,000	1,500	2,000	16,000	2,286	571
RL-11	4	2,000	2,000	2,500	1,000	1,500	1,000	2,000	12,000	1,714	429
RL-12	5	4,500	1,800	2,000	2,500	4,500	500	1,000	16,800	2,400	480
RL-13	9	2,500	3,500	4,000	3,000	2,500	2,000	1,500	19,000	2,714	302
RL-14	4	2,000	2,500	1,500	2,500	1,000	500	750	10,750	1,536	384
RL-15	9	2,500	1,000	1,700	2,500	1,500	1,000	1,500	11,700	1,671	186
RL-16	5	1,500	500	3,500	500	1,000	1,000	1,500	9,500	1,357	271
RL-17	3	600	1,000	1,500	2,000	2,750	2,000	1,500	11,350	1,621	540
RL-18	4	2,000	500	1,300	1,000	2,000	1,500	1,500	9,800	1,400	350
RL-19	4	1,500	1,500	800	1,000	1,500	500	1,000	7,800	1,114	279
RL-20	5	3,000	2,500	1,200	1,000	500	2,000	2,000	12,200	1,743	349
	97									33,414	344

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Quezon (Source : Commercial Area-Restaurant)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
CR-01	1	7,000	14,500	16,000	18,750	15,000	17,500	14,500	103,250	14,750	14,750
CR-02	1	1,500	8,500	10,000	13,250	12,500	12,750	13,000	71,500	10,214	10,214
CR-03	1	17,250	14,000	25,000	31,300	28,800	25,500	29,000	170,850	24,407	24,407
CR-04	1	3,500	8,750	11,250	16,500	31,000	18,250	22,000	111,250	15,893	15,893
CR-05	1	28,500	38,000	40,750	45,000	39,250	37,000	41,250	269,750	38,536	38,536
	5									103,800	20,760

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Quezon (Source : Commercial Area-Other shop)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
CO-01	1	3,250	1,500	2,500	2,000	-	1,000	1,000	11,250	1,607	1,607
CO-02	1	250	2,250	1,750	3,250	-	4,250	2,000	13,750	1,964	1,964
CO-03	1	250	250	500	250	-	250	750	2,250	321	321
CO-04	1	4,250	2,000	3,250	2,500	-	6,500	3,000	21,500	3,071	3,071
CO-05	1	750	2,750	5,250	3,000	-	2,500	250	14,500	2,071	2,071
	5									9,036	1,807

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Quezon (Source : Institution)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
I-01	36	3,000	2,700	3,500	4,500	-	3,000	3,500	20,200	2,886	80
I-02	30	3,500	3,000	3,000	4,500	-	3,500	3,000	20,500	2,929	98
I-03	42	4,000	4,200	4,500	4,000	-	3,750	4,250	24,700	3,529	84
I-04	38	3,000	3,700	3,000	3,500	-	4,000	3,500	20,700	2,957	78
I-05	120	4,500	4,000	5,000	4,500	-	4,000	4,000	26,000	3,714	31
	266									16,014	60

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Quezon (Source : Market)

(Unit : Kg)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
M-01	380	-	-	1,890	-	2,020	2,720	-	6,630	2,210	5.82
M-02	1,710	-	-	5,950	6,130	5,560	4,780	-	22,420	5,605	3.28
	2,090									7,815	3.74

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Quezon (Source : Street Sweeping) (Unit : kg/km)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
S-01	1.25 Km.	-	-	-	7.00	-	9.50	10.00	26.50	8.83	7.07
S-02	1.1 0 Km.	-	-	-	18.00	-	-	-	18.00	18.00	16.36
	2.35 Km.									26.83	11.42

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Quezon (Source : River) (Unit : kg/100 m.)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
R-01	100 m.	4.00	3.50	5.00	-	-	4.25	4.50	21.25	3.04	3.04
R-02	100 m.	4.00	5.25	4.00	-	-	4.00	4.25	21.50	3.07	3.07
	200 m.									6.11	3.05

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Makati (Source : Household Waste-High Income) (Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
RH-01	20	9,000	4,750	2,500	1,750	5,750	8,750	55,000	87,500	12,500	625
RH-02	14	5,500	6,250	5,750	9,000	8,750	6,000	7,250	48,500	6,929	495
RH-03	16	6,000	2,500	9,250	7,250	3,750	2,000	6,750	37,500	5,357	335
RH-04	14	2,500	4,750	5,000	4,250	6,000	7,250	5,250	35,000	5,000	357
RH-05	17	3,000	2,500	3,500	3,500	6,000	2,250	3,000	23,750	3,393	200
RH-06	9	3,500	7,000	7,000	4,500	3,000	7,000	6,250	38,250	5,464	607
RH-07	12	2,500	3,000	47,500	27,000	2,500	47,500	3,250	133,250	19,036	1,586
RH-08	9	2,500	4,500	2,000	1,750	3,750	1,000	2,750	18,250	2,607	290
RH-09	12	4,500	5,500	2,000	8,000	2,750	2,000	3,000	27,750	3,964	330
RH-10	8	5,500	6,000	7,500	4,000	5,500	4,500	6,750	39,750	5,679	710
RH-11	29	6,750	5,000	18,500	4,500	10,250	3,750	2,250	51,000	7,286	251
RH-12	7	5,250	3,000	2,000	3,750	8,500	6,000	4,750	33,250	4,750	679
RH-13	5	3,000	14,000	12,500	2,750	3,250	12,500	13,250	61,250	8,750	1,750
RH-14	14	3,250	3,000	4,000	3,750	2,500	5,000	8,750	30,250	4,321	309
RH-15	6	2,750	8,000	4,000	15,000	7,750	3,000	2,000	42,500	6,071	1,012
RH-16	22	11,750	11,000	1,000	52,000	12,000	11,750	9,250	108,750	15,536	706
RH-17	26	51,000	1,500	10,250	6,000	17,750	32,500	12,250	131,250	18,750	721
RH-18	10	8,500	6,050	7,500	5,500	3,250	3,500	4,000	38,300	5,471	547
RH-19	6	6,000	1,500	2,500	4,250	4,750	3,750	5,000	27,750	3,964	661
RH-20	8	9,000	8,750	6,500	5,000	6,250	4,500	3,750	43,750	6,250	781
	264									151,079	572

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Makati (Source : Household Waste-Middle Income)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
RM-01	6	3,250	3,250	250	1,500	3,250	3,000	3,500	18,000	2,571	429
RM-02	7	7,750	1,000	2,000	1,750	750	2,750	1,500	17,500	2,500	357
RM-03	14	2,500	4,250	10,750	2,500	2,250	5,500	7,500	35,250	5,036	360
RM-04	7	2,750	2,500	3,750	4,500	3,500	3,500	4,000	24,500	3,500	500
RM-05	5	3,000	2,750	7,750	5,500	1,250	2,200	6,750	29,200	4,171	834
RM-06	5	2,750	1,000	2,000	1,500	5,000	1,500	2,750	16,500	2,357	471
RM-07	10	1,000	1,750	5,500	4,250	1,000	8,250	7,500	29,250	4,179	418
RM-08	7	2,000	250	1,500	2,750	3,000	2,500	3,750	15,750	2,250	321
RM-09	5	2,750	9,750	2,750	750	1,500	7,250	1,000	25,750	3,679	736
RM-10	7	4,000	2,750	3,000	3,000	3,000	4,000	3,000	22,750	3,250	464
RM-11	10	2,250	3,250	2,250	1,000	3,500	3,000	2,500	17,750	2,536	254
RM-12	4	500	1,500	2,000	1,500	250	5,500	750	12,000	1,714	429
RM-13	6	1,750	1,750	4,000	2,000	2,500	4,500	1,250	17,750	2,536	423
RM-14	4	2,250	250	8,500	750	1,250	1,000	250	14,250	2,036	509
RM-15	10	3,000	3,500	1,750	2,250	1,250	3,000	4,500	19,250	2,750	275
RM-16	5	1,250	2,250	1,750	2,500	2,500	1,750	1,250	13,250	1,893	379
RM-17	5	3,000	1,500	3,500	4,000	4,250	5,000	7,750	29,000	4,143	829
RM-18	8	1,750	2,000	1,250	2,000	1,500	2,000	1,000	11,500	1,643	205
RM-19	9	1,500	3,500	2,000	1,500	1,750	2,750	3,750	16,750	2,393	266
RM-20	10	1,500	1,750	1,000	8,500	2,250	2,000	1,500	18,500	2,643	264
	144									57,779	401

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Makati (Source : Household Waste-Low Income)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
RL-01	9	1,750	2,500	2,000	1,000	1,000		1,500	9,750	1,393	155
RL-02	8	3,000	1,750	2,000	3,000	3,500	2,500	2,000	17,750	2,536	317
RL-03	6	3,500	1,500	3,750	2,500	2,500	500	1,000	15,250	2,179	363
RL-04	5	1,000	1,250	1,500	3,000	5,000	2,000	2,500	16,250	2,321	464
RL-05	7	1,500	750	1,000	500	500	750	500	5,500	786	112
RL-06	7	750	1,250	1,250	500	1,000	1,500	1,000	7,250	1,036	148
RL-07	7	1,750	2,500	2,000	3,500	2,500	2,000	3,000	17,250	2,464	352
RL-08	9	9,000	10,000	7,000	5,500	4,000	3,500	4,000	43,000	6,143	683
RL-09	7	750	1,000	1,500	500	750	1,000	500	6,000	857	122
RL-10	5	2,000	750	500	1,000	500	750	500	6,000	857	171
RL-11	4	1,500	3,250	2,500	750	1,000	750	1,250	11,000	1,571	393
RL-12	5	500	500	750	500	500	1,500	500	4,750	679	136
RL-13	4	2,500	6,000	4,000	2,000	5,250	2,500	3,000	25,250	3,607	902
RL-14	4	5,500	6,500	5,000	500	5,500	7,000	8,500	38,500	5,500	1,375
RL-15	4	500	500	1,000	2,250	1,000	1,500	2,500	9,250	1,321	330
RL-16	6	750	1,000	1,250	750	1,000	750	1,000	6,500	929	155
RL-17	7	2,500	1,500	1,250	2,000	2,000	1,500	2,250	13,000	1,857	265
RL-18	14	1,000	1,500	1,500	2,000	500	3,750	3,000	13,250	1,893	135
RL-19	4	3,000	2,500	2,000	1,500	1,750	1,250	2,000	14,000	2,000	500
RL-20	4	2,000	1,000	1,500	1,000	1,500	1,000	1,000	9,000	1,286	321
	126									41,214	327

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Makati (Source : Commercial Area-Restaurant) (Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
CR-01	1	33,000	25,000	55,750	33,750	50,000	30,000	20,000	247,500	35,357	35,357
CR-02	1	58,000	25,000	86,000	8,000	15,000	20,000	50,000	262,000	37,429	37,429
CR-03	1	65,000	85,000	60,000	92,000	120,000	60,000	70,000	552,000	78,857	78,857
CR-04	1	31,000	27,000	29,000	23,000	26,250	35,750	45,000	217,000	31,000	31,000
CR-05	1	41,750	18,000	16,000	21,000	16,500	15,750	33,000	162,000	23,143	23,143
	5									205,786	41,157

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Makati (Source : Commercial Area-Other shop) (Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
CO-01	1	-	1,000	1,250	3,000	12,750	7,750	3,750	29,500	4,214	4,214
CO-02	1	1,250	1,500	750	3,500	-	2,500	750	10,250	1,464	1,464
CO-03	1	1,250	5,000	750	2,500	-	3,000	1,000	13,500	1,929	1,929
CO-04	1	250	500	250	750	-	750	250	2,750	393	393
CO-05	1	500	2,000	500	5,000	1,500	1,000	750	11,250	1,607	1,607
	5									9,607	1,921

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Makati (Source : Street Sweeping) (Unit : kg/km)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
S-01	2.9 km.	36.75	46.75	107.50	51.75	115.25	36.50	66.85	461.35	65.91	22.73
S-02	1.9 km.	-	-	-	13.75	-	16.25	5.00	35.00	11.67	6.14
	4.8 km.									77.57	16.16

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Makati (Source : River) (Unit : kg/100 m)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
R-01	1.7 km.	13.75	9.00	10.50	-	-	10.00	9.50	52.75	7.54	4.43
R-02	2.3 km.	5.50	6.00	6.00	-	-	5.00	6.50	29.00	4.14	1.80
	4.0 km.									11.68	2.92

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Paranaque (Source : Household Waste-High Income)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
RH-01	4	1,500	1,000	1,500	4,750	3,250	1,000	3,750	16,750	2,393	598
RH-02	8	3,500	1,750	6,500	2,000	1,750	1,250	1,750	18,500	2,643	330
RH-03	4	2,250	5,750	3,250	1,750	3,250	4,250	2,500	23,000	3,286	821
RH-04	14	2,500	9,000	1,500	8,500	2,750	7,500	2,250	34,000	4,857	347
RH-05	3	1,000	1,000	1,000	1,000	2,250	1,250	1,250	8,750	1,250	417
RH-06	3	1,000	1,000	1,500	6,000	2,250	1,000	3,000	15,750	2,250	750
RH-07	5	1,000	1,500	4,000	1,500	1,250	2,000	2,250	13,500	1,929	386
RH-08	5	2,000	5,000	1,000	2,500	2,000	1,500	2,250	16,250	2,321	464
RH-09	3	2,000	5,000	1,000	4,250	5,000	2,000	2,750	22,000	3,143	1,048
RH-10	4	2,000	1,500	2,000	1,000	1,500	1,000	2,500	11,500	1,643	411
RH-11	7	2,000	3,000	2,000	1,250	2,500	1,250	2,000	14,000	2,000	286
RH-12	9	1,000	6,750	1,000	2,000	5,500	2,000	1,750	20,000	2,857	317
RH-13	3	40,000	4,000	3,500	16,500	2,000	22,000	2,500	90,500	12,929	4,310
RH-14	4	2,000	6,000	2,250	2,500	4,750	1,500	1,500	20,500	2,929	732
RH-15	4	1,000	2,250	1,000	1,000	2,000	1,250	1,500	10,000	1,429	357
RH-16	8	4,250	6,000	12,500	3,500	4,750	1,000	2,000	34,000	4,857	607
RH-17	4	2,000	2,250	2,000	1,000	7,500	1,000	1,500	17,250	2,464	616
RH-18	8	2,750	2,750	3,000	2,000	8,500	2,250	1,750	23,000	3,286	411
RH-19	10	5,250	3,000	3,250	1,750	4,000	5,000	2,500	24,750	3,536	354
RH-20	6	1,250	2,000	1,500	1,250	1,250	1,750	2,000	11,000	1,571	262
	113									50,643	448

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

The data in shade row is not adopted due to fluctuation compare with other data.

Results of Waste Amount Survey in Rainy Season in Paranaque (Source : Household Waste-Middle Income)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
RM-01	7	5,250	4,500	6,000	2,750	5,000	2,250	3,400	29,150	4,164	595
RM-02	5	3,250	3,000	4,500	2,000	5,000	1,500	1,900	21,150	3,021	604
RM-03	5	3,000	4,500	5,000	3,500	5,250	3,000	3,600	27,850	3,979	796
RM-04	9	2,000	5,250	1,250	1,000	2,250	1,000	4,350	17,100	2,443	271
RM-05	7	7,000	4,000	500	3,000	6,250	5,000	4,250	30,000	4,286	612
RM-06	9	3,250	1,250	2,000	2,250	3,500	1,500	1,000	14,750	2,107	234
RM-07	5	2,750	1,750	2,250	2,500	3,000	3,250	3,700	19,200	2,743	549
RM-08	6	7,000	3,500	4,500	3,250	5,500	8,000	950	32,700	4,671	779
RM-09	6	1,500	2,250	3,000	1,250	4,250	2,500	5,300	20,050	2,864	477
RM-10	8	3,000	1,750	1,000	3,500	2,250	1,250	2,400	15,150	2,164	271
RM-11	7	2,250	2,500	4,000	1,250	2,000	2,000	3,500	17,500	2,500	357
RM-12	7	1,500	2,500	3,500	1,250	2,500	2,500	1,450	15,200	2,171	310
RM-13	5	1,750	1,750	4,500	6,000	4,000	2,500	2,550	23,050	3,293	659
RM-14	3	2,500	1,500	3,000	1,000	2,500	1,500	1,750	13,750	1,964	655
RM-15	6	5,500	4,000	4,500	3,000	2,500	4,250	4,000	27,750	3,964	661
RM-16	8	1,750	2,000	3,500	2,500	3,000	1,500	2,150	16,400	2,343	293
RM-17	7	5,000	330	3,250	750	3,250	1,000	1,600	15,180	2,169	310
RM-18	12	3,250	4,250	5,000	1,750	3,750	3,000	3,700	24,700	3,529	294
RM-19	10	8,250	5,500	7,500	1,500	6,000	7,000	3,950	39,700	5,671	567
RM-20	7	1,500	2,500	3,000	3,000	3,000	5,000	1,400	19,400	2,771	396
	139									62,819	452

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Paranaque (Source : Household Waste-Low Income)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
RL-01	6	1,000	250	2,750	1,500	1,000	500	750	7,750	1,107	185
RL-02	7	1,000	750	500	1,250	750	1,000	750	6,000	857	122
RL-03	7	6,500	1,250	2,750	3,500	2,000	2,750	3,250	22,000	3,143	449
RL-04	9	7,500	250	1,750	5,500	500	500	500	16,500	2,357	262
RL-05	5	5,500	1,200	9,250	1,250	9,500	1,500	3,750	31,950	4,564	913
RL-06	6	2,000	750	1,000	2,500	750	1,250	2,000	10,250	1,464	244
RL-07	7	2,250	1,000	3,400	1,250	1,250	250	750	10,150	1,450	207
RL-08	10	500	500	1,250	1,000	3,500	1,250	3,000	11,000	1,571	157
RL-09	9	1,250	500	1,000	1,500	3,000	1,750	1,250	10,250	1,464	163
RL-10	5	200	1,750	6,000	750	1,250	500	1,500	11,950	1,707	341
RL-11	9	2,250	750	500	3,500	1,000	2,000	1,500	11,500	1,643	183
RL-12	5	1,250	1,000	1,250	1,500	1,250	250	2,250	8,750	1,250	250
RL-13	6	1,500	1,000	1,500	1,500	1,000	1,000	4,000	11,500	1,643	274
RL-14	6	3,250	3,750	2,000	1,250	2,500	1,000	1,500	15,250	2,179	363
RL-15	7	1,250	1,250	2,500	1,250	1,250	3,750	1,000	12,250	1,750	250
RL-16	4	1,750	1,000	500	500	1,750	4,750	2,250	12,500	1,786	446
RL-17	6	500	15,750	2,750	500	3,500	4,750	1,000	28,750	4,107	685
RL-18	8	1,000	2,750	1,000	750	7,000	5,500	1,750	19,750	2,821	353
RL-19	9	500	2,750	500	250	4,500	3,500	2,500	14,500	2,071	230
RL-20	7	14,000	5,750	7,750	5,000	6,750	6,250	7,500	53,000	7,571	1,082
	138									46,507	337

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Paranaque (Source : Commercial Area-Restaurant)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
CR-01	1	10,000	6,250	5,750	10,750	10,000	9,250	11,000	63,000	9,000	9,000
CR-02	1	5,250	2,000	1,000	1,750	2,000	2,000	2,750	16,750	2,393	2,393
CR-03	1	4,250	3,250	2,500	1,250	3,000	3,000	2,500	19,750	2,821	2,821
CR-04	1	9,500	9,500	5,500	1,250	-	8,000	2,500	36,250	5,179	5,179
CR-05	1	4,000	14,000	7,250	8,000	10,500	7,750	2,000	53,500	7,643	7,643
	5									27,036	5,407

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Paranaque (Source : Commercial Area-Others)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
CO-01	1	3,750	7,500	3,000	4,000	-	2,000	2,300	22,550	3,221	3,221
CO-02	1	5,000	3,250	3,750	4,500	4,000	4,000	4,300	28,800	4,114	4,114
CO-03	1	1,000	500	1,000	2,000	-	250	600	5,350	764	764
CO-04	1	500	2,500	2,000	1,250	-	500	1,050	7,800	1,114	1,114
CO-05	1	1,250	750	1,500	500	2,000	250	300	6,550	936	936
	5									10,150	2,030

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Makati (Source : Institution)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
I-01	20	750	1,000	1,000	-	-	1,000	750	4,500	643	32
I-02	16	1,500	500	3,500	-	-	1,250	1,000	7,750	1,107	69
I-03	20	500	1,750	500	-	-	750	500	4,000	571	29
I-04	12	1,500	1,000	1,500	-	-	1,500	1,500	7,000	1,000	83
I-05	80	7,000	3,750	3,500	-	-	4,000	5,750	24,000	3,429	43
	148									6,750	46

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Makati (Source : Market)

(Unit : Kg)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
M-01	500	2,360	3,020	1,980	2,190	2,020	1,610	2,070	15,250	2,179	4.36
M-02	145	490	1,020	860	1,630	1,260	1,040	950	7,250	1,036	7.14
	645									3,214	4.98

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Paranaque (Source : Institution)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
I-01	50	750	1,000	1,000	750	-	1,250	2,500	7,250	1,036	21
I-02	36	5,500	3,750	6,000	7,000	-	23,500	5,250	51,000	7,286	202
I-03	18	3,750	3,000	5,250	-	-	4,500	2,250	18,750	2,679	149
I-04	15	300	500	250	-	-	250	250	1,550	221	15
I-05	28	500	250	250	-	-	250	750	2,000	286	10
	147									11,507	78

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Paranaque (Source : Market)

(Unit : Kg)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
M-01	247	-	-	-	2,010	1,320	1,920	2,130	7,380	1,845	7.47
M-02	184	-	-	-	1,320	1,160	1,260	1,170	4,910	1,228	6.67
	431									3,073	7.13

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Paranaque (Source : Street Sweeping) (Unit : kg/km)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
S-01	1.9 km.	-	-	3.25	-	-	3.75	-	7.00	3.50	1.84
S-02	3.5 km.	-	5.00	4.50	-	-	6.50	-	16.00	5.33	1.52
	5.4 km.									8.83	1.64

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Amount Survey in Rainy Season in Paranaque (Source : River) (Unit : kg/100 m)

Survey Point	Number of Units	Date							Total Amount	Average/ Day	Average/ Day/Unit
		25 Jun (Wed)	26 Jun (Thu)	27 Jun (Fri)	28 Jun (Sat)	29 Jun (Sun)	30 Jun (Mon)	1 Jul (Tue)			
R-01	100 m.	4.25	6.50	2.50	-	-	12.75	2.50	28.50	4.07	8.75
R-02	100 m.	3.00	8.00	14.50	-	-	10.00	3.50	39.00	5.57	17.75
	200 m.									9.64	4.82

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by Total No. of Units

Results of Waste Composition Survey in Rainy Season - Wet Base in Quezon (Discharge Source : Household Waste-High Income)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	1,260.00	880.00	-	190.00	70.00	-	50.00	240.00	-	-	2,690.00	0.16
Wed	%	46.84	32.71	-	7.06	2.60	-	1.86	8.92	-	-	100.00	
26 Jun.	g	1,700.00	520.00	-	320.00	90.00	40.00	30.00	90.00	20.00	-	2,810.00	0.19
Thu	%	60.50	18.51	-	11.39	3.20	1.42	1.07	3.20	0.71	-	100.00	
27 Jun.	g	1,400.00	680.00	50.00	410.00	50.00	-	400.00	200.00	80.00		3,270.00	0.16
Fri	%	42.81	20.80	1.53	12.54	1.53	-	12.23	6.12	2.45	0.00	100.00	
28 Jun.	g	940.00	1,720.00	10.00	240.00	-	330.00	100.00	560.00	-	-	3,900.00	0.19
Sat	%	24.10	44.10	0.26	6.15	-	8.46	2.56	14.36	-	-	100.00	
29 Jun.	g	1,490.00	310.00	-	270.00	30.00	130.00	190.00	-	150.00	-	2,570.00	0.17
Sun	%	57.98	12.06	-	10.51	1.17	5.06	7.39	-	5.84	-	100.00	
30 Jun.	g	2,700.00	1,220.00	140.00	530.00	110.00	-	190.00	-	-	-	4,890.00	0.27
Mon	%	55.21	24.95	2.86	10.84	2.25	-	3.89	-	-	-	100.00	
1 July.	g	700.00	420.00	-	590.00	110.00	-	190.00	-	60.00	100.00	2,170.00	0.11
Tue	%	32.26	19.35	-	27.19	5.07	-	8.76	-	2.76	4.61	100.00	
Total	g	10,190.00	5,750.00	200.00	2,550.00	460.00	500.00	1,150.00	1,090.00	310.00	100.00	22,300.00	0.18
Week	%	45.70	25.78	0.90	11.43	2.06	2.24	5.16	4.89	1.39	0.45	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Quezon (Discharge Source : Household Waste-Middle Income)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	1,130.00	610.00	260.00	1,180.00	310.00	110.00	70.00	90.00	50.00	-	3,810.00	0.21
Wed	%	29.66	16.01	6.82	30.97	8.14	2.89	1.84	2.36	1.31	-	100.00	
26 Jun.	g	200.00	900.00	270.00	780.00	280.00	-	190.00	-	-	-	2,620.00	0.15
Thu	%	7.63	34.35	10.31	29.77	10.69	-	7.25	-	-	-	100.00	
27 Jun.	g	3,000.00	200.00	-	910.00	50.00	-	50.00	-	-	50.00	4,260.00	0.33
Fri	%	70.42	4.69	-	21.36	1.17	-	1.17	-	-	1.17	100.00	
28 Jun.	g	1,600.00	400.00	20.00	620.00	220.00	140.00	30.00	-	-	-	3,030.00	0.16
Sat	%	52.81	13.20	0.66	20.46	7.26	4.62	0.99	-	-	-	100.00	
29 Jun.	g	2,130.00	800.00	-	430.00	30.00	-	160.00	-	10.00	10.00	3,570.00	0.22
Sun	%	59.66	22.41	-	12.04	0.84	-	4.48	-	0.28	0.28	100.00	
30 Jun.	g	1,490.00	380.00	70.00	250.00	50.00	-	120.00	-	180.00	-	2,540.00	0.16
Mon	%	58.66	14.96	2.76	9.84	1.97	-	4.72	-	7.09	-	100.00	
1 July.	g	1,340.00	260.00	50.00	240.00	160.00	-	160.00	-	-	550.00	2,760.00	0.14
Tue	%	48.55	9.42	1.81	8.70	5.80	-	5.80	-	-	19.93	100.00	
Total	g	10,890.00	3,550.00	670.00	4,410.00	1,100.00	250.00	780.00	90.00	240.00	610.00	22,590.00	0.20
Week	%	48.21	15.71	2.97	19.52	4.87	1.11	3.45	0.40	1.06	2.70	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Quezon (Discharge Source : Household Waste-Low Income)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	1,590.00	1,480.00	210.00	660.00	300.00	-	20.00	-	-	-	4,260.00	0.24
Wed	%	37.32	34.74	4.93	15.49	7.04	-	0.47	-	-	-	100.00	
26 Jun.	g	880.00	210.00	40.00	460.00	100.00	-	390.00	-	50.00	-	2,130.00	0.13
Thu	%	41.31	9.86	1.88	21.60	4.69	-	18.31	-	2.35	-	100.00	
27 Jun.	g	190.00	400.00	90.00	1,050.00	840.00	150.00	290.00	-	50.00	350.00	3,410.00	0.16
Fri	%	5.57	11.73	2.64	30.79	24.63	4.40	8.50	-	1.47	10.26	100.00	
28 Jun.	g	1,800.00	110.00	-	250.00	40.00	220.00	20.00	-	10.00	-	2,450.00	0.18
Sat	%	73.47	4.49	-	10.20	1.63	8.98	0.82	-	0.41	-	100.00	
29 Jun.	g	1,600.00	200.00	50.00	400.00	90.00	-	200.00	10.00	-	-	2,550.00	0.14
Sun	%	62.75	7.84	1.96	15.69	3.53	-	7.84	0.39	-	-	100.00	
30 Jun.	g	1,690.00	400.00	40.00	350.00	20.00	-	20.00	-	-	80.00	2,600.00	0.14
Mon	%	65.00	15.38	1.54	13.46	0.77	-	0.77	-	-	3.08	100.00	
1 July.	g	560.00	440.00	180.00	320.00	60.00	-	140.00	190.00	20.00	-	1,910.00	0.12
Tue	%	29.32	23.04	9.42	16.75	3.14	-	7.33	9.95	1.05	-	100.00	
Total	g	8,310.00	3,240.00	610.00	3,490.00	1,450.00	370.00	1,080.00	200.00	130.00	430.00	19,310.00	0.16
Week	%	43.03	16.78	3.16	18.07	7.51	1.92	5.59	1.04	0.67	2.23	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Quezon (Discharge Source : Commercial Area-Restaurant)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	1,810.00	380.00	-	1,650.00	90.00	-	50.00	510.00	-	-	4,490.00	0.24
Wed	%	40.31	8.46	-	36.75	2.00	-	1.11	11.36	-	-	100.00	
26 Jun.	g	1,560.00	810.00	-	710.00	-	-	110.00	420.00	-	-	3,610.00	0.19
Thu	%	43.21	22.44	-	19.67	-	-	3.05	11.63	-	-	100.00	
27 Jun.	g	3,100.00	1,500.00	10.00	470.00	10.00	-	360.00	-	-	-	5,450.00	0.30
Fri	%	56.88	27.52	0.18	8.62	0.18	-	6.61	-	-	-	100.00	
28 Jun.	g	2,610.00	390.00	-	940.00	350.00	-	250.00	-	-	-	4,540.00	0.22
Sat	%	57.49	8.59	-	20.70	7.71	-	5.51	-	-	-	100.00	
29 Jun.	g	460.00	480.00	-	300.00	210.00	-	10.00	250.00	-	-	1,710.00	0.11
Sun	%	26.90	28.07	-	17.54	12.28	-	0.58	14.62	-	-	100.00	
30 Jun.	g	2,160.00	690.00	10.00	600.00	30.00	-	750.00	-	220.00	100.00	4,560.00	0.21
Mon	%	47.37	15.13	0.22	13.16	0.66	-	16.45	-	4.82	2.19	100.00	
1 July.	g	2,440.00	540.00	20.00	490.00	240.00	10.00	460.00	-	-	-	4,200.00	0.20
Tue	%	58.10	12.86	0.48	11.67	5.71	0.24	10.95	-	-	-	100.00	
Total	g	14,140.00	4,790.00	40.00	5,160.00	930.00	10.00	1,990.00	1,180.00	220.00	100.00	28,560.00	0.21
Week	%	49.51	16.77	0.14	18.07	3.26	0.04	6.97	4.13	0.77	0.35	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Quezon (Discharge Source : Commercial Area-Other Shops) (Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	1,080.00	700.00	100.00	150.00	60.00	-	60.00	-	-	-	2,150.00	0.11
Wed	%	50.23	32.56	4.65	6.98	2.79	-	2.79	-	-	-	100.00	
26 Jun.	g	300.00	280.00	-	250.00	-	60.00	-	-	-	-	890.00	0.06
Thu	%	33.71	31.46	-	28.09	-	6.74	-	-	-	-	100.00	
27 Jun.	g	410.00	420.00	-	570.00	210.00	-	220.00	-	-	-	1,830.00	0.09
Fri	%	22.40	22.95	-	31.15	11.48	-	12.02	-	-	-	100.00	
28 Jun.	g	550.00	320.00	10.00	130.00	40.00	10.00	40.00	-	-	10.00	1,110.00	0.07
Sat	%	49.55	28.83	0.90	11.71	3.60	0.90	3.60	-	-	0.90	100.00	
29 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sun	%	-	-	-	-	-	-	-	-	-	-	-	
30 Jun.	g	290.00	950.00	410.00	360.00	-	-	20.00	-	-	10.00	2,040.00	0.10
Mon	%	14.22	46.57	20.10	17.65	-	-	0.98	-	-	0.49	100.00	
1 July.	g	30.00	340.00	40.00	140.00	-	-	60.00	-	-	90.00	700.00	0.04
Tue	%	4.29	48.57	5.71	20.00	-	-	8.57	-	-	12.86	100.00	
Total	g	2,660.00	3,010.00	560.00	1,600.00	310.00	70.00	400.00	-	-	110.00	8,720.00	0.08
Week	%	30.50	34.52	6.42	18.35	3.56	0.80	4.59	-	-	1.26	100.00	

Rc 'ts of Waste Composition Survey in Rainy Season - Wet Base in Quezon (Discharge Source : Institution)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	520.00	750.00	-	200.00	20.00	-	40.00	-	-	-	1,530.00	0.10
Wed	%	33.99	49.02	-	13.07	1.31	-	2.61	-	-	-	100.00	
26 Jun.	g	190.00	590.00	-	90.00	-	-	80.00	-	-	-	950.00	0.06
Thu	%	20.00	62.11	-	9.47	-	-	8.42	-	-	-	100.00	
27 Jun.	g	850.00	740.00	-	640.00	-	-	50.00	-	-	-	2,280.00	0.11
Fri	%	37.28	32.46	-	28.07	-	-	2.19	-	-	-	100.00	
28 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sat	%	-	-	-	-	-	-	-	-	-	-	-	
29 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sun	%	-	-	-	-	-	-	-	-	-	-	-	
30 Jun.	g	-	1,020.00	-	300.00	140.00	-	50.00	-	-	-	1,510.00	0.08
Mon	%	-	67.55	-	19.87	9.27	-	3.31	-	-	-	100.00	
1 July.	g	-	420.00	-	120.00	-	-	20.00	-	-	-	560.00	0.03
Tue	%	-	75.00	-	21.43	-	-	3.57	-	-	-	100.00	
Total	g	1,560.00	3,520.00	-	1,350.00	160.00	-	240.00	-	-	-	6,830.00	0.08
Week	%	22.84	51.54	-	19.77	2.34	-	3.51	-	-	-	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Quezon (Discharge Source : Market)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Wed	%	-	-	-	-	-	-	-	-	-	-	-	
26 Jun.	g	1,800.00	360.00	90.00	250.00	590.00	-	-	-	-	-	3,090.00	0.26
Thu	%	58.25	11.65	2.91	8.09	19.09	-	-	-	-	-	100.00	
27 Jun.	g	4,200.00	680.00	120.00	460.00	670.00	60.00	20.00	-	170.00	-	6,380.00	0.34
Fri	%	65.83	10.66	1.88	7.21	10.50	0.94	0.31	-	2.66	-	100.00	
28 Jun.	g	2,650.00	860.00	30.00	670.00	440.00	-	20.00	90.00	-	-	4,760.00	0.34
Sat	%	55.67	18.07	0.63	14.08	9.24	-	0.42	1.89	-	-	100.00	
29 Jun.	g	2,300.00	270.00	180.00	390.00	120.00	50.00	70.00	10.00	-	-	3,390.00	0.23
Sun	%	67.85	7.96	5.31	11.50	3.54	1.47	2.06	0.29	-	-	100.00	
30 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Mon	%	-	-	-	-	-	-	-	-	-	-	-	
1 July.	g	5,470.00	320.00	80.00	1,460.00	1,480.00	160.00	-	110.00	-	-	9,080.00	0.43
Tue	%	60.24	3.52	0.88	16.08	16.30	1.76	-	1.21	-	-	100.00	
Total	g	16,420.00	2,490.00	500.00	3,230.00	3,300.00	270.00	110.00	210.00	170.00	-	26,700.00	0.32
Week	%	61.50	9.33	1.87	12.10	12.36	1.01	0.41	0.79	0.64	-	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Quezon (Discharge Source : Street Sweeping) (Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Wed	%	-	-	-	-	-	-	-	-	-	-	-	
26 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Thu	%	-	-	-	-	-	-	-	-	-	-	-	
27 Jun.	g	-	90.00	-	130.00	850.00	-	90.00	-	100.00	4,200.00	5,460.00	0.39
Fri	%	-	1.65	-	2.38	15.57	-	1.65	-	1.83	76.92	100.00	
28 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sat	%	-	-	-	-	-	-	-	-	-	-	-	
29 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sun	%	-	-	-	-	-	-	-	-	-	-	-	
30 Jun.	g	-	10.00	10.00	70.00	850.00	-	-	-	70.00	-	1,010.00	0.10
Mon	%	-	0.99	0.99	6.93	84.16	-	-	-	6.93	-	100.00	
1 July.	g	-	110.00	60.00	30.00	900.00	-	-	-	-	-	1,100.00	0.08
Tue	%	-	10.00	5.45	2.73	81.82	-	-	-	-	-	100.00	
Total	g	-	210.00	70.00	230.00	2,600.00	-	90.00	-	170.00	4,200.00	7,570.00	0.19
Week	%	-	2.77	0.92	3.04	34.35	-	1.19	-	2.25	55.48	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Quezon (Discharge Source : River)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	190.00	510.00	900.00	1,400.00	50.00	-	100.00	-	-	-	3,150.00	0.21
Wed	%	6.03	16.19	28.57	44.44	1.59	-	3.17	-	-	-	100.00	
26 Jun.	g	100.00	290.00	260.00	1,650.00	180.00	370.00	1,200.00	-	-	360.00	4,410.00	0.29
Thu	%	2.27	6.58	5.90	37.41	4.08	8.39	27.21	-	-	8.16	100.00	
27 Jun.	g	690.00	1,590.00	120.00	180.00	260.00	-	120.00	-	-	-	2,960.00	0.15
Fri	%	23.31	53.72	4.05	6.08	8.78	-	4.05	-	-	-	100.00	
28 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sat	%	-	-	-	-	-	-	-	-	-	-	-	
29 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sun	%	-	-	-	-	-	-	-	-	-	-	-	
30 Jun.	g	680.00	1,700.00	10.00	780.00	-	60.00	10.00	-	-	-	3,240.00	0.20
Mon	%	20.99	52.47	0.31	24.07	-	1.85	0.31	-	-	-	100.00	
1 July.	g	-	440.00	340.00	480.00	1,490.00	-	270.00	-	-	-	3,020.00	0.15
Tue	%	-	14.57	11.26	15.89	49.34	-	8.94	-	-	-	100.00	
Total	g	1,660.00	4,530.00	1,630.00	4,490.00	1,980.00	430.00	1,700.00	-	-	360.00	16,780.00	0.20
Week	%	9.89	27.00	9.71	26.76	11.80	2.56	10.13	-	-	2.15	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Makati (Discharge Source : Household Waste-High Income)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	600.00	460.00	40.00	450.00	1,680.00	-	10.00	10.00	-	-	3,250.00	0.18
Wed	%	18.46	14.15	1.23	13.85	51.69	-	0.31	0.31	-	-	100.00	
26 Jun.	g	900.00	710.00	-	260.00	1,050.00	50.00	-	-	-	20.00	2,990.00	0.21
Thu	%	30.10	23.75	-	8.70	35.12	1.67	-	-	-	0.67	100.00	
27 Jun.	g	660.00	320.00	-	460.00	1,030.00	-	100.00	200.00	-	-	2,770.00	0.13
Fri	%	23.83	11.55	-	16.61	37.18	-	3.61	7.22	-	-	100.00	
28 Jun.	g	980.00	700.00	-	350.00	1,050.00	10.00	80.00	-	750.00	20.00	3,940.00	0.20
Sat	%	24.87	17.77	-	8.88	26.65	0.25	2.03	-	19.04	0.51	100.00	
29 Jun.	g	780.00	1,140.00	-	200.00	290.00	-	130.00	170.00	-	-	2,710.00	0.18
Sun	%	28.78	42.07	-	7.38	10.70	-	4.80	6.27	-	-	100.00	
30 Jun.	g	700.00	710.00	-	290.00	1,010.00	-	120.00	-	-	-	2,830.00	0.20
Mon	%	24.73	25.09	-	10.25	35.69	-	4.24	-	-	-	100.00	
1 July.	g	500.00	-	20.00	200.00	420.00	-	10.00	-	-	1,450.00	2,600.00	0.13
Tue	%	19.23	-	0.77	7.69	16.15	-	0.38	-	-	55.77	100.00	
Total	g	5,120.00	4,040.00	60.00	2,210.00	6,530.00	60.00	450.00	380.00	750.00	1,490.00	21,090.00	0.18
Week	%	24.28	19.16	0.28	10.48	30.96	0.28	2.13	1.80	3.56	7.06	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Makati (Discharge Source : Household Waste-Middle Income)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	920.00	600.00	90.00	450.00	-	-	120.00	60.00	-	-	2,240.00	0.12
Wed	%	41.07	26.79	4.02	20.09	-	-	5.36	2.68	-	-	100.00	
26 Jun.	g	970.00	650.00	50.00	260.00	20.00	-	200.00	-	-	-	2,150.00	0.13
Thu	%	45.12	30.23	2.33	12.09	0.93	-	9.30	-	-	-	100.00	
27 Jun.	g	800.00	1,060.00	530.00	570.00	50.00	-	160.00	140.00	-	-	3,310.00	0.15
Fri	%	24.17	32.02	16.01	17.22	1.51	-	4.83	4.23	-	-	100.00	
28 Jun.	g	1,060.00	400.00	100.00	950.00	50.00	-	40.00	80.00	-	-	2,680.00	0.18
Sat	%	39.55	14.93	3.73	35.45	1.87	-	1.49	2.99	-	-	100.00	
29 Jun.	g	780.00	390.00	10.00	200.00	20.00	10.00	120.00	60.00	30.00	-	1,620.00	0.11
Sun	%	48.15	24.07	0.62	12.35	1.23	0.62	7.41	3.70	1.85	-	100.00	
30 Jun.	g	1,550.00	110.00	220.00	610.00	220.00	-	380.00	-	-	20.00	3,110.00	0.16
Mon	%	49.84	3.54	7.07	19.61	7.07	-	12.22	-	-	0.64	100.00	
1 July.	g	1,450.00	1,480.00	50.00	590.00	50.00	10.00	100.00	50.00	10.00	-	3,790.00	0.19
Tue	%	38.26	39.05	1.32	15.57	1.32	0.26	2.64	1.32	0.26	-	100.00	
Total	g	7,530.00	4,690.00	1,050.00	3,630.00	410.00	20.00	1,120.00	390.00	40.00	20.00	18,900.00	0.15
Week	%	39.84	24.81	5.56	19.21	2.17	0.11	5.93	2.06	0.21	0.11	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Makati (Discharge Source : Household Waste-Low Income)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	560.00	250.00	330.00	250.00	190.00	10.00	10.00	120.00	-	-	1,720.00	0.12
Wed	%	32.56	14.53	19.19	14.53	11.05	0.58	0.58	6.98	-	-	100.00	
26 Jun.	g	660.00	510.00	30.00	400.00	300.00	10.00	210.00	-	-	-	2,120.00	0.13
Thu	%	31.13	24.06	1.42	18.87	14.15	0.47	9.91	-	-	-	100.00	
27 Jun.	g	770.00	650.00	20.00	200.00	30.00	-	50.00	30.00	-	180.00	1,930.00	0.16
Fri	%	39.90	33.68	1.04	10.36	1.55	-	2.59	1.55	-	9.33	100.00	
28 Jun.	g	650.00	540.00	260.00	450.00	320.00	-	490.00	40.00	60.00	-	2,810.00	0.15
Sat	%	23.13	19.22	9.25	16.01	11.39	-	17.44	1.42	2.14	-	100.00	
29 Jun.	g	760.00	210.00	890.00	210.00	60.00	270.00	60.00	-	30.00	30.00	2,520.00	0.16
Sun	%	30.16	8.33	35.32	8.33	2.38	10.71	2.38	-	1.19	1.19	100.00	
30 Jun.	g	1,360.00	160.00	1,360.00	640.00	150.00	-	-	-	230.00	-	3,900.00	0.23
Mon	%	34.87	4.10	34.87	16.41	3.85	-	-	-	5.90	-	100.00	
1 July.	g	1,990.00	390.00	190.00	780.00	580.00	-	30.00	-	90.00	-	4,050.00	0.19
Tue	%	49.14	9.63	4.69	19.26	14.32	-	0.74	-	2.22	-	100.00	
Total	g	6,750.00	2,710.00	3,080.00	2,930.00	1,630.00	290.00	850.00	190.00	410.00	210.00	19,050.00	0.16
Week	%	35.43	14.23	16.17	15.38	8.56	1.52	4.46	1.00	2.15	1.10	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Makati (Discharge Source : Commercial Area-Restaurant)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	2,240.00	1,900.00	-	550.00	-	-	-	-	-	-	4,690.00	0.23
Wed	%	47.76	40.51	-	11.73	-	-	-	-	-	-	100.00	
26 Jun.	g	1,710.00	1,120.00	20.00	460.00	-	-	140.00	260.00	-	-	3,710.00	0.21
Thu	%	46.09	30.19	0.54	12.40	-	-	3.77	7.01	-	-	100.00	
27 Jun.	g	2,660.00	1,610.00	80.00	410.00	840.00	-	280.00	-	-	-	5,880.00	0.29
Fri	%	45.24	27.38	1.36	6.97	14.29	-	4.76	-	-	-	100.00	
28 Jun.	g	5,500.00	1,050.00	-	650.00	-	-	120.00	-	-	-	7,320.00	0.41
Sat	%	75.14	14.34	-	8.88	-	-	1.64	-	-	-	100.00	
29 Jun.	g	420.00	770.00	10.00	490.00	50.00	-	70.00	-	-	-	1,810.00	0.14
Sun	%	23.20	42.54	0.55	27.07	2.76	-	3.87	-	-	-	100.00	
30 Jun.	g	920.00	1,290.00	-	580.00	140.00	-	280.00	-	80.00	-	3,290.00	0.16
Mon	%	27.96	39.21	-	17.63	4.26	-	8.51	-	2.43	-	100.00	
1 July.	g	2,230.00	800.00	-	90.00	770.00	-	-	50.00	30.00	-	3,970.00	0.40
Tue	%	56.17	20.15	-	2.27	19.40	-	-	1.26	0.76	-	100.00	
Total	g	15,680.00	8,540.00	110.00	3,230.00	1,800.00	-	890.00	310.00	110.00	-	30,670.00	0.26
Week	%	51.12	27.84	0.36	10.53	5.87	-	2.90	1.01	0.36	-	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Makati (Discharge Source : Commercial Area-Other Shops)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	150.00	30.00	-	250.00	100.00	-	-	40.00	-	10.00	580.00	0.03
Wed	%	25.86	5.17	-	43.10	17.24	-	-	6.90	-	1.72	100.00	
26 Jun.	g	140.00	420.00	30.00	200.00	20.00	-	140.00	750.00	-	20.00	1,720.00	0.10
Thu	%	8.14	24.42	1.74	11.63	1.16	-	8.14	43.60	-	1.16	100.00	
27 Jun.	g	10.00	490.00	50.00	350.00	10.00	-	100.00	-	20.00	70.00	1,100.00	0.06
Fri	%	0.91	44.55	4.55	31.82	0.91	-	9.09	-	1.82	6.36	100.00	
28 Jun.	g	650.00	250.00	-	150.00	-	-	50.00	-	-	-	1,100.00	0.07
Sat	%	59.09	22.73	-	13.64	-	-	4.55	-	-	-	100.00	
29 Jun.	g	740.00	240.00	10.00	300.00	10.00	190.00	100.00	250.00	-	-	1,840.00	0.13
Sun	%	40.22	13.04	0.54	16.30	0.54	10.33	5.43	13.59	-	-	100.00	
30 Jun.	g	420.00	510.00	10.00	230.00	40.00	-	40.00	-	-	30.00	1,280.00	0.06
Mon	%	32.81	39.84	0.78	17.97	3.13	-	3.13	-	-	2.34	100.00	
1 July.	g	150.00	490.00	80.00	260.00	40.00	20.00	110.00	350.00	-	50.00	1,550.00	0.10
Tue	%	9.68	31.61	5.16	16.77	2.58	1.29	7.10	22.58	-	3.23	100.00	
Total	g	2,260.00	2,430.00	180.00	1,740.00	220.00	210.00	540.00	1,390.00	20.00	180.00	9,170.00	0.08
Week	%	24.65	26.50	1.96	18.97	2.40	2.29	5.89	15.16	0.22	1.96	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Makati (Discharge Source : Institution)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	180.00	290.00	-	210.00	140.00	60.00	60.00	250.00	-	-	1,190.00	0.08
Wed	%	15.13	24.37	-	17.65	11.76	5.04	5.04	21.01	-	-	100.00	
26 Jun.	g	300.00	470.00	20.00	130.00	10.00	10.00	170.00	150.00	10.00	10.00	1,280.00	0.08
Thu	%	23.44	36.72	1.56	10.16	0.78	0.78	13.28	11.72	0.78	0.78	100.00	
27 Jun.	g	300.00	460.00	50.00	310.00	50.00	10.00	200.00	-	-	10.00	1,390.00	0.07
Fri	%	21.58	33.09	3.60	22.30	3.60	0.72	14.39	-	-	0.72	100.00	
28 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sat	%	-	-	-	-	-	-	-	-	-	-	-	
29 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sun	%	-	-	-	-	-	-	-	-	-	-	-	
30 Jun.	g	330.00	670.00	10.00	130.00	-	-	-	-	100.00	-	1,240.00	0.06
Mon	%	26.61	54.03	0.81	10.48	-	-	-	-	8.06	-	100.00	
1 July.	g	170.00	750.00	-	90.00	-	-	40.00	-	-	20.00	1,070.00	0.06
Tue	%	15.89	70.09	-	8.41	-	-	3.74	-	-	1.87	100.00	
Total	g	1,280.00	2,640.00	80.00	870.00	200.00	80.00	470.00	400.00	110.00	40.00	6,170.00	0.07
Week	%	20.75	42.79	1.30	14.10	3.24	1.30	7.62	6.48	1.78	0.65	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Makati (Discharge Source : Market)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	1,600.00	1,370.00	250.00	1,240.00	1,150.00	10.00	40.00	60.00	-	-	5,720.00	0.32
Wed	%	27.97	23.95	4.37	21.68	20.10	0.17	0.70	1.05	-	-	100.00	
26 Jun.	g	2,030.00	410.00	30.00	530.00	620.00	30.00	60.00	-	-	-	3,710.00	0.23
Thu	%	54.72	11.05	0.81	14.29	16.71	0.81	1.62	-	-	-	100.00	
27 Jun.	g	1,230.00	1,340.00	210.00	650.00	370.00	10.00	-	10.00	50.00	950.00	4,820.00	0.34
Fri	%	25.52	27.80	4.36	13.49	7.68	0.21	-	0.21	1.04	19.71	100.00	
28 Jun.	g	5,440.00	1,070.00	150.00	1,270.00	30.00	50.00	210.00	10.00	60.00	-	8,290.00	0.52
Sat	%	65.62	12.91	1.81	15.32	0.36	0.60	2.53	0.12	0.72	-	100.00	
29 Jun.	g	2,540.00	1,180.00	160.00	890.00	100.00	90.00	20.00	-	-	-	4,980.00	0.25
Sun	%	51.00	23.69	3.21	17.87	2.01	1.81	0.40	-	-	-	100.00	
30 Jun.	g	2,740.00	2,450.00	150.00	1,260.00	200.00	10.00	10.00	50.00	10.00	-	6,880.00	0.40
Mon	%	39.83	35.61	2.18	18.31	2.91	0.15	0.15	0.73	0.15	-	100.00	
1 July.	g	2,400.00	500.00	590.00	1,850.00	900.00	40.00	60.00	100.00	70.00	-	6,510.00	0.34
Tue	%	36.87	7.68	9.06	28.42	13.82	0.61	0.92	1.54	1.08	-	100.00	
Total	g	17,980.00	8,320.00	1,540.00	7,690.00	3,370.00	240.00	400.00	230.00	190.00	950.00	40,910.00	0.34
Week	%	43.95	20.34	3.76	18.80	8.24	0.59	0.98	0.56	0.46	2.32	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Makati (Discharge Source : Street Sweeping)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	1,640.00	1,590.00	-	950.00	30.00	-	40.00	-	1,260.00	-	5,510.00	0.34
Wed	%	29.76	28.86	-	17.24	0.54	-	0.73	-	22.87	-	100.00	
26 Jun.	g	180.00	1,260.00	-	690.00	2,920.00	10.00	10.00	-	490.00	10.00	5,570.00	0.35
Thu	%	3.23	22.62	-	12.39	52.42	0.18	0.18	-	8.80	0.18	100.00	
27 Jun.	g	410.00	1,260.00	210.00	440.00	80.00	40.00	140.00	-	170.00	750.00	3,500.00	0.22
Fri	%	11.71	36.00	6.00	12.57	2.29	1.14	4.00	-	4.86	21.43	100.00	
28 Jun.	g	440.00	2,870.00	130.00	1,290.00	160.00	70.00	-	-	70.00	-	5,030.00	0.28
Sat	%	8.75	57.06	2.58	25.65	3.18	1.39	-	-	1.39	-	100.00	
29 Jun.	g	220.00	370.00	190.00	420.00	40.00	390.00	10.00	20.00	390.00	1,030.00	3,080.00	0.18
Sun	%	7.14	12.01	6.17	13.64	1.30	12.66	0.32	0.65	12.66	33.44	100.00	
30 Jun.	g	670.00	1,060.00	490.00	840.00	420.00	10.00	60.00	40.00	140.00	360.00	4,090.00	0.34
Mon	%	16.38	25.92	11.98	20.54	10.27	0.24	1.47	0.98	3.42	8.80	100.00	
1 July.	g	2,200.00	1,430.00	180.00	450.00	80.00	10.00	80.00	100.00	70.00	-	4,600.00	0.41
Tue	%	47.83	31.09	3.91	9.78	1.74	0.22	1.74	2.17	1.52	-	100.00	
Total	g	5,760.00	9,840.00	1,200.00	5,080.00	3,730.00	530.00	340.00	160.00	2,590.00	2,150.00	31,380.00	0.30
Week	%	18.36	31.36	3.82	16.19	11.89	1.69	1.08	0.51	8.25	6.85	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Makati (Discharge Source : River)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	420.00	210.00	10.00	2,700.00	1,570.00	110.00	-	-	-	-	5,020.00	0.28
Wed	%	8.37	4.18	0.20	53.78	31.27	2.19	-	-	-	-	100.00	
26 Jun.	g	2,040.00	420.00	70.00	2,210.00	1,160.00	-	10.00	-	-	150.00	6,060.00	0.32
Thu	%	33.66	6.93	1.16	36.47	19.14	-	0.17	-	-	2.48	100.00	
27 Jun.	g	1,020.00	-	-	420.00	780.00	530.00	10.00	120.00	-	-	2,880.00	0.14
Fri	%	35.42	-	-	14.58	27.08	18.40	0.35	4.17	-	-	100.00	
28 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sat	%	-	-	-	-	-	-	-	-	-	-	-	
29 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sun	%	-	-	-	-	-	-	-	-	-	-	-	
30 Jun.	g	280.00	180.00	130.00	1,680.00	2,000.00	1,170.00	330.00	200.00	-	-	5,970.00	0.28
Mon	%	4.69	3.02	2.18	28.14	33.50	19.60	5.53	3.35	-	-	100.00	
1 July.	g	-	-	-	1,540.00	3,340.00	2,390.00	350.00	-	30.00	-	7,650.00	0.36
Tue	%	-	-	-	20.13	43.66	31.24	4.58	-	0.39	-	100.00	
Total	g	3,760.00	810.00	210.00	8,550.00	8,850.00	4,200.00	700.00	320.00	30.00	150.00	27,580.00	0.28
Week	%	13.63	2.94	0.76	31.00	32.09	15.23	2.54	1.16	0.11	0.54	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Paranaque (Discharge Source : Household Waste-High Income)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	2,500.00	410.00	-	460.00	10.00	-	150.00	-	-	10.00	3,540.00	0.22
Wed	%	70.62	11.58	-	12.99	0.28	-	4.24	-	-	0.28	100.00	
26 Jun.	g	1,200.00	1,100.00	140.00	640.00	110.00	400.00	60.00	300.00	-	-	3,950.00	0.20
Thu	%	30.38	27.85	3.54	16.20	2.78	10.13	1.52	7.59	-	-	100.00	
27 Jun.	g	2,020.00	460.00	130.00	320.00	115.00	-	-	30.00	-	20.00	3,095.00	0.15
Fri	%	65.27	14.86	4.20	10.34	3.72	-	-	0.97	-	0.65	100.00	
28 Jun.	g	300.00	345.00	10.00	310.00	20.00	220.00	70.00	60.00	10.00	-	1,345.00	0.08
Sat	%	22.30	25.65	0.74	23.05	1.49	16.36	5.20	4.46	0.74	-	100.00	
29 Jun.	g	1,390.00	490.00	190.00	370.00	600.00	10.00	100.00	-	-	-	3,150.00	0.16
Sun	%	44.13	15.56	6.03	11.75	19.05	0.32	3.17	-	-	-	100.00	
30 Jun.	g	5,200.00	760.00	-	360.00	20.00	-	220.00	90.00	-	-	6,650.00	0.44
Mon	%	78.20	11.43	-	5.41	0.30	-	3.31	1.35	-	-	100.00	
1 July.	g	1,100.00	750.00	20.00	380.00	-	-	400.00	-	-	-	2,650.00	0.13
Tue	%	41.51	28.30	0.75	14.34	-	-	15.09	-	-	-	100.00	
Total	g	13,710.00	4,315.00	490.00	2,840.00	875.00	630.00	1,000.00	480.00	10.00	30.00	24,380.00	0.20
Week	%	56.23	17.70	2.01	11.65	3.59	2.58	4.10	1.97	0.04	0.12	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Paranaque (Discharge Source : Household Waste-Middle Income) (Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	1,550.00	490.00	120.00	700.00	240.00	60.00	120.00	30.00	-	170.00	3,480.00	0.21
Wed	%	44.54	14.08	3.45	20.11	6.90	1.72	3.45	0.86	-	4.89	100.00	
26 Jun.	g	1,530.00	330.00	30.00	1,040.00	50.00	-	2,740.00	250.00	-	-	5,970.00	0.40
Thu	%	25.63	5.53	0.50	17.42	0.84	-	45.90	4.19	-	-	100.00	
27 Jun.	g	1,910.00	370.00	-	120.00	960.00	40.00	-	10.00	300.00	-	3,710.00	0.27
Fri	%	51.48	9.97	-	3.23	25.88	1.08	-	0.27	8.09	-	100.00	
28 Jun.	g	2,140.00	1,240.00	50.00	500.00	20.00	120.00	250.00	50.00	-	-	4,370.00	0.22
Sat	%	48.97	28.38	1.14	11.44	0.46	2.75	5.72	1.14	-	-	100.00	
29 Jun.	g	1,070.00	1,720.00	260.00	360.00	270.00	10.00	490.00	-	60.00	-	4,240.00	0.21
Sun	%	25.24	40.57	6.13	8.49	6.37	0.24	11.56	-	1.42	-	100.00	
30 Jun.	g	1,150.00	410.00	-	470.00	260.00	-	230.00	230.00	30.00	110.00	2,890.00	0.15
Mon	%	39.79	14.19	-	16.26	9.00	-	7.96	7.96	1.04	3.81	100.00	
1 July.	g	1,200.00	880.00	-	310.00	100.00	-	110.00	-	-	-	2,600.00	0.14
Tue	%	46.15	33.85	-	11.92	3.85	-	4.23	-	-	-	100.00	
Total	g	10,550.00	5,440.00	460.00	3,500.00	1,900.00	230.00	3,940.00	570.00	390.00	280.00	27,260.00	0.23
Week	%	38.70	19.96	1.69	12.84	6.97	0.84	14.45	2.09	1.43	1.03	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Paranaque (Discharge Source : Household Waste-Low Income)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	2,000.00	820.00	270.00	1,490.00	90.00	-	400.00	50.00	-	-	5,120.00	0.26
Wed	%	39.06	16.02	5.27	29.10	1.76	-	7.81	0.98	-	-	100.00	
26 Jun.	g	1,210.00	360.00	140.00	800.00	80.00	130.00	50.00		-	-	2,770.00	0.17
Thu	%	43.68	13.00	5.05	28.88	2.89	4.69	1.81	0.00	-	-	100.00	
27 Jun.	g	1,340.00	360.00	490.00	680.00	700.00	-	160.00	20.00	-	-	3,750.00	0.21
Fri	%	35.73	9.60	13.07	18.13	18.67	-	4.27	0.53	-	-	100.00	
28 Jun.	g	1,290.00	1,230.00	30.00	710.00	40.00	140.00	270.00	550.00	-	-	4,260.00	0.21
Sat	%	30.28	28.87	0.70	16.67	0.94	3.29	6.34	12.91	-	-	100.00	
29 Jun.	g	1,500.00	400.00	600.00	510.00	40.00	-	60.00	-	-	-	3,110.00	0.17
Sun	%	48.23	12.86	19.29	16.40	1.29	-	1.93	-	-	-	100.00	
30 Jun.	g	1,350.00	1,900.00	70.00	800.00	50.00	-	140.00	-	-	-	4,310.00	0.22
Mon	%	31.32	44.08	1.62	18.56	1.16	-	3.25	-	-	-	100.00	
1 July.	g	2,020.00	530.00	450.00	680.00	30.00	-	120.00	250.00	-	-	4,080.00	0.23
Tue	%	49.51	12.99	11.03	16.67	0.74	-	2.94	6.13	-	-	100.00	
Total	g	10,710.00	5,600.00	2,050.00	5,670.00	1,030.00	270.00	1,200.00	870.00	-	-	27,400.00	0.21
Week	%	39.09	20.44	7.48	20.69	3.76	0.99	4.38	3.18	-	-	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Paranaque (Discharge Source : Commercial Area-Restaurant)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	1,300.00	240.00	-	350.00	40.00	-	290.00	980.00	-	-	3,200.00	0.18
Wed	%	40.63	7.50	-	10.94	1.25	-	9.06	30.63	-	-	100.00	
26 Jun.	g	2,060.00	50.00	10.00	950.00	10.00	-	100.00	-	-	-	3,180.00	0.20
Thu	%	64.78	1.57	0.31	29.87	0.31	-	3.14	-	-	-	100.00	
27 Jun.	g	1,050.00	180.00	-	350.00	20.00	10.00	280.00	-	-	-	1,890.00	0.15
Fri	%	55.56	9.52	-	18.52	1.06	0.53	14.81	-	-	-	100.00	
28 Jun.	g	3,060.00	350.00	-	520.00	-	-	290.00	-	-	-	4,220.00	0.35
Sat	%	72.51	8.29	-	12.32	-	-	6.87	-	-	-	100.00	
29 Jun.	g	1,620.00	350.00	-	510.00	20.00	-	310.00	10.00	-	-	2,820.00	0.14
Sun	%	57.45	12.41	-	18.09	0.71	-	10.99	0.35	-	-	100.00	
30 Jun.	g	3,150.00	580.00	210.00	700.00	10.00	-	340.00	-	-	-	4,990.00	0.31
Mon	%	63.13	11.62	4.21	14.03	0.20	-	6.81	-	-	-	100.00	
1 July.	g	1,500.00	250.00	-	3,590.00	-	-	180.00	-	40.00	-	5,560.00	0.29
Tue	%	26.98	4.50	-	64.57	-	-	3.24	-	0.72	-	100.00	
Total	g	13,740.00	2,000.00	220.00	6,970.00	100.00	10.00	1,790.00	990.00	40.00	-	25,860.00	0.23
Week	%	53.13	7.73	0.85	26.95	0.39	0.04	6.92	3.83	0.15	-	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Paranaque (Discharge Source : Commercial Area-Other Shops)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	500.00	860.00	130.00	280.00	-	-	60.00	-	-	-	1,830.00	0.09
Wed	%	27.32	46.99	7.10	15.30	-	-	3.28	-	-	-	100.00	
26 Jun.	g	290.00	480.00	20.00	500.00	-	250.00	120.00	-	110.00	-	1,770.00	0.11
Thu	%	16.38	27.12	1.13	28.25	-	14.12	6.78	-	6.21	-	100.00	
27 Jun.	g	290.00	300.00	70.00	200.00	30.00	-	100.00	-	-	-	990.00	0.09
Fri	%	29.29	30.30	7.07	20.20	3.03	-	10.10	-	-	-	100.00	
28 Jun.	g	1,670.00	350.00	-	150.00	-	-	100.00	-	-	-	2,270.00	0.16
Sat	%	73.57	15.42	-	6.61	-	-	4.41	-	-	-	100.00	
29 Jun.	g	680.00	290.00	10.00	260.00	10.00	10.00	30.00	410.00	-	-	1,700.00	0.09
Sun	%	40.00	17.06	0.59	15.29	0.59	0.59	1.76	24.12	-	-	100.00	
30 Jun.	g	1,440.00	400.00	-	460.00	10.00	-	30.00	-	-	-	2,340.00	0.17
Mon	%	61.54	17.09	-	19.66	0.43	-	1.28	-	-	-	100.00	
1 July.	g	910.00	420.00	-	290.00	-	-	40.00	270.00	-	-	1,930.00	0.11
Tue	%	47.15	21.76	-	15.03	-	-	2.07	13.99	-	-	100.00	
Total	g	5,780.00	3,100.00	230.00	2,140.00	50.00	260.00	480.00	680.00	110.00	-	12,830.00	0.12
Week	%	45.05	24.16	1.79	16.68	0.39	2.03	3.74	5.30	0.86	-	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Paranaque (Discharge Source : Institution) (Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	170.00	890.00	50.00	240.00	-	-	60.00	-	-	-	1,410.00	0.08
Wed	%	12.06	63.12	3.55	17.02	-	-	4.26	-	-	-	100.00	
26 Jun.	g	260.00	750.00	-	200.00	50.00	20.00	30.00	-	-	-	1,310.00	0.08
Thu	%	19.85	57.25	-	15.27	3.82	1.53	2.29	-	-	-	100.00	
27 Jun.	g	130.00	400.00	590.00	110.00	20.00	90.00	-	-	-	90.00	1,430.00	0.07
Fri	%	9.09	27.97	41.26	7.69	1.40	6.29	-	-	-	6.29	100.00	
28 Jun.	g	290.00	760.00	-	120.00	40.00	-	60.00	40.00	-	-	1,310.00	0.07
Sat	%	22.14	58.02	-	9.16	3.05	-	4.58	3.05	-	-	100.00	
29 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sun	%	-	-	-	-	-	-	-	-	-	-	-	
30 Jun.	g	230.00	800.00	10.00	110.00	10.00	10.00	30.00	10.00	10.00	80.00	1,300.00	0.06
Mon	%	17.69	61.54	0.77	8.46	0.77	0.77	2.31	0.77	0.77	6.15	100.00	
1 July.	g	-	680.00	-	340.00	90.00	10.00	10.00	-	-	80.00	1,210.00	0.06
Tue	%	-	56.20	-	28.10	7.44	0.83	0.83	-	-	6.61	100.00	
Total	g	1,080.00	4,280.00	650.00	1,120.00	210.00	130.00	190.00	50.00	10.00	250.00	7,970.00	0.07
Week	%	13.55	53.70	8.16	14.05	2.63	1.63	2.38	0.63	0.13	3.14	100.00	

(Unit : g)

Results of Waste Composition Survey in Rainy Season - Wet Base in Paranaque (Discharge Source : Market)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Wed	%	-	-	-	-	-	-	-	-	-	-	-	
26 Jun.	g	200.00	980.00	-	300.00	1,600.00	150.00	430.00	50.00	50.00	-	3,760.00	0.21
Thu	%	5.32	26.06	-	7.98	42.55	3.99	11.44	1.33	1.33	-	100.00	
27 Jun.	g	2,220.00	900.00	190.00	850.00	670.00	-	80.00	-	-	-	4,910.00	0.35
Fri	%	45.21	18.33	3.87	17.31	13.65	-	1.63	-	-	-	100.00	
28 Jun.	g	4,610.00	2,610.00	-	910.00	190.00	-	120.00	-	280.00	-	8,720.00	0.46
Sat	%	52.87	29.93	-	10.44	2.18	-	1.38	-	3.21	-	100.00	
29 Jun.	g	3,840.00	1,050.00	-	660.00	740.00	-	300.00	-	10.00	-	6,600.00	0.35
Sun	%	58.18	15.91	-	10.00	11.21	-	4.55	-	0.15	-	100.00	
30 Jun.	g	5,350.00	850.00	10.00	1,410.00	610.00	10.00	60.00	10.00	-	10.00	8,320.00	0.42
Mon	%	64.30	10.22	0.12	16.95	7.33	0.12	0.72	0.12	-	0.12	100.00	
1 July.	g	2,840.00	160.00	50.00	730.00	750.00	80.00	-	60.00	-	-	4,670.00	0.43
Tue	%	60.81	3.43	1.07	15.63	16.06	1.71	-	1.28	-	-	100.00	
Total	g	19,060.00	6,550.00	250.00	4,860.00	4,560.00	240.00	990.00	120.00	340.00	10.00	36,980.00	0.37
Week	%	51.54	17.71	0.68	13.14	12.33	0.65	2.68	0.32	0.92	0.03	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Paranaque (Discharge Source : Street Sweeping)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Wed	%	-	-	-	-	-	-	-	-	-	-	-	
26 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Thu	%	-	-	-	-	-	-	-	-	-	-	-	
27 Jun.	g	-	20.00	120.00	160.00	2,810.00	-	-	-	-	-	3,110.00	0.22
Fri	%	-	0.64	3.86	5.14	90.35	-	-	-	-	-	100.00	
28 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sat	%	-	-	-	-	-	-	-	-	-	-	-	
29 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sun	%	-	-	-	-	-	-	-	-	-	-	-	
30 Jun.	g	40.00	150.00	250.00	320.00	1,400.00	-	-	-	-	1,850.00	4,010.00	0.25
Mon	%	1.00	3.74	6.23	7.98	34.91	-	-	-	-	46.13	100.00	
1 July.	g	4,300.00	2,850.00	240.00	900.00	160.00	10.00	150.00	200.00	130.00	-	8,940.00	0.41
Tue	%	48.10	31.88	2.68	10.07	1.79	0.11	1.68	2.24	1.45	-	100.00	
Total	g	4,340.00	3,020.00	610.00	1,380.00	4,370.00	10.00	150.00	200.00	130.00	1,850.00	16,060.00	0.29
Week	%	27.02	18.80	3.80	8.59	27.21	0.06	0.93	1.25	0.81	11.52	100.00	

Results of Waste Composition Survey in Rainy Season - Wet Base in Paranaque (Discharge Source : River)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
25 Jun.	g	2,130.00	750.00	170.00	370.00	20.00	-	30.00	-	-	-	3,470.00	0.25
Wed	%	61.38	21.61	4.90	10.66	0.58	-	0.86	-	-	-	100.00	
26 Jun.	g	-	170.00	30.00	850.00	500.00	10.00	100.00	-	140.00	1,060.00	2,860.00	0.36
Thu	%	-	5.94	1.05	29.72	17.48	0.35	3.50	-	4.90	37.06	100.00	
27 Jun.	g	310.00	120.00	160.00	290.00	-	-	90.00	-	-	-	970.00	0.10
Fri	%	31.96	12.37	16.49	29.90	-	-	9.28	-	-	-	100.00	
28 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sat	%	-	-	-	-	-	-	-	-	-	-	-	
29 Jun.	g	-	-	-	-	-	-	-	-	-	-	-	-
Sun	%	-	-	-	-	-	-	-	-	-	-	-	
30 Jun.	g	470.00	160.00	-	1,080.00	-	-	400.00	-	-	20.00	2,130.00	0.13
Mon	%	22.07	7.51	-	50.70	-	-	18.78	-	-	0.94	100.00	
1 July.	g	660.00	50.00	-	780.00	220.00	-	20.00	-	-	-	1,730.00	0.17
Tue	%	38.15	2.89	-	45.09	12.72	-	1.16	-	-	-	100.00	
Total	g	3,570.00	1,250.00	360.00	3,370.00	740.00	10.00	640.00	-	140.00	1,080.00	11,160.00	0.20
Week	%	31.99	11.20	3.23	30.20	6.63	0.09	5.73	-	1.25	9.68	100.00	

CHAPTER 2

WASTE AMOUNT AND COMPOSITION SURVEY

2. WASTE AMOUNT AND COMPOSITION SURVEY

2.1 Objectives

The data of solid waste amount and composition are fundamental for the planning of the Operating System. The type, size and number of collection vehicles as well as processing and final disposal facilities can be properly determined only when the planners are provided with these data including the trends of waste amount and composition.

On the basis of information gathered during Waste Amount and Composition Survey (WACS), it can be acknowledged a true picture of solid waste situation in the Study Area. A WACS, therefore, was carried out in April 1997 and June 1997 in order to obtain waste data in dry and rainy seasons which are the main climatic features in Philippines. The average data will be determined by using both results.

2.2 Targets of the Waste

In order to clarify the contents of the WACS and the waste stream, the words used in the Study are defined as follows;

- Household waste
  Waste generated in or discharged from each household including waste in shops. However, those generated through commercial activities are excluded.

- Commercial waste
  Only refers to wastes generated and discharged from shops or any commercial activity. Shops include restaurants, stationery shops, grocery shops, etc..

- Market waste
  Waste generated in or discharged from markets both for wholesale and retailing.

- Institutional waste
  As for the institutional waste, government, state enterprise and private firm office waste are examined in the Study.

- Street sweeping waste
  Street sweeping waste includes all waste generated by the street sweeping cleansing service.

- River waste
  River waste includes all waste generated by the river and creek cleansing service.

2.3 Methodology

2.3.1 Waste Amount Survey Method

Waste amount survey used in this study is divided into the following two methods:

- Generation rate survey at generation sources;
- Interview at generation sources

The method applied to the WACS is tabulated in Table 2.1.

Table 2.1 Method of the Waste Amount Survey

Category	Generation Rate Survey	Interview at Generation Sources
MSW (Total)	X	
Household Waste	X	X
Commercial Waste	X	X
Institutional Waste	X	X
Market Waste	X	
Street Sweeping Waste	X	
River Waste	X	

Note : The items marked "X" were surveyed in the Study.

2.3.2 Selection of Sampling Points for the Generation Rate and Composition Survey

Category of waste, generation sources and sampling quantity

In order to obtain a representative generation rate for each category of waste, the category of waste, generation sources and sampling quantity for the WACS is summarized in Table 2.2.

The survey was carried out, taking a total of 3,402 samples from 9 categories of generation sources in three sample areas which are believed to represent Metro Manila, namely Quezon, Makati and Paranaque City.

Table 2.2 Category of Wastes, Generation Sources and Sampling Quantity for WACS

Category of Waste	Generation Sources	Sampling (Nos.)			Number of Samples (a)+(b)+(c)
		(a) Quezon City	(b) Makati	(c) Paranaque	
Household Waste	High Income	20	20	20	60
	Middle Income	20	20	20	60
	Low Income	20	20	20	60
Commercial Waste	Restaurant	5	5	5	15
	Other Shop	5	5	5	15
Institutional Waste	Institution	5	5	5	15
Market Waste	Market	2	2	2	6
Street Sweeping Waste	Street Sweeping	2	2	2	6
River Waste	River	2	2	2	6
	Total	81	81	81	243

* 243sample*7days*2seasons=3,402 samples

- Household waste

Household waste generated at residential areas, was classified into the following three categories:

- household waste generated at high income residential areas
- household waste generated at middle income residential areas
- household waste generated at low income residential areas

The sampling points for each category were selected from the Study Area in 3 areas (Quezon City, Makati and Paranaque) based on the analysis on the urbanization pattern in Metro Manila in the Metro Manila Urban Traffic Integration Study (MMUTIS).

- Commercial waste

The composition of waste generated between restaurants and other shops was quite different. Therefore, commercial waste was classified into two categories, i.e. restaurant waste and that of other shops.

The sampling area for commercial waste was selected from each city.

- Institutional waste

The sampling areas for the institutional waste were selected from government and state enterprise and private company in each city.

- Market waste

Two sampling areas were selected in each city taking into account the following aspects about their waste collection.

- The amount of waste generated at one market should be less than one truck.
- The composition of the waste generated at one market should not be mixed with other waste.

- Street sweeping waste

Two streets were selected in each city as sampling points.

- River waste

Two creeks and/or rivers have been selected as sampling points.

Sampling points

Lists of sampling points for the waste amount and composition survey in 3 areas are shown in Annex A and B in Chapter 1 in the Data Book.

Method of the generation rate and composition survey

The method of the survey is tabulated in Table 2.3. Considering the daily fluctuation in the generation of waste, the survey was conducted for 8 continuous days in each city. The data of the first day is used only as a reference.

Table 2.3 Method of the Survey

Generation Source	Collection of Samples	Waste Amount Survey	Waste Composition Survey
Household (High Income)	by plastic bag	by spring balance	Analysis Items : ~ ASG (Apparent Specific Gravity) ~ Physical Composition by wet base (kitchen waste, paper, textile, plastic, glass, grass and wood, leather and rubber, metal, ceramic and stone, other) ~ Chemical Analysis : Three contents (moisture, combustibles, ash) : Lower calorific value : Ultimate analysis (carbon, hydrogen, nitrogen, sulphur, chlorine, oxygen)
Household (Middle Income)	by plastic bag	by spring balance	
Household (Low Income)	by plastic bag	by spring balance	
Commercial Shop (Restaurant)	by plastic bag	by spring balance	
Commercial Shop (Other Shops)	by plastic bag	by spring balance	
Institution	by plastic bag	by spring balance	
Market	by collection truck	by weighbridge	
Street Sweeping	by plastic bag	by spring balance	
River	by plastic bag	by spring balance	

1) Method of the generation rate survey

- Collection of samples

Before the execution of the WACS, the required numbers of plastic bags were distributed to residences, shops and offices selected as sampling points.
Samples discharged from markets were collected by a collection truck.

- Waste amount survey

The amount of waste was measured in each sampling point by weighing the plastic bags containing the samples with a spring balance. Then, when a sample was collected, the mouth of the plastic bag was bound with color strings which classified it according to generation sources. The samples transported by collection truck were measured at the truck scale of a private company before going to survey place.

2) Method of the waste composition survey

- Sampling method

The composition of the waste in wet base was measured in dry season according to the following nine categories :

1. household waste (high income)
2. household waste (middle income)
3. household waste (low income)
4. commercial waste (restaurant)
5. commercial waste (other shop)
6. institutional waste
7. market waste
8. street sweeping waste
9. river waste

All samples from each category of waste were gathered and mixed together. Then, the volume of the mixture of waste was reduced through the reducing method described below until the volume became 30 to 50 litters, as shown in Figure 2.1.

i. Mixing
When the waste contained large size items (e.g. cardboard, textile etc.) those items were divided and mixed again.

ii. Dividing
Once the waste was mixed well it was divided into four blocks with approximately the same volume.

iii. Reducing
The two blocks of waste at diagonally opposite ends were removed and the remaining waste was mixed again.