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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

MINISTRY OF PUBLIC HEALTH AND SOCIAL WELFARE

THE REPUBLIC OF PARAGUAY

**THE STUDY
ON
THE SOLID WASTE MANAGEMENT
FOR
METROPOLITAN AREA OF ASUNCION**

**FINAL REPORT
VOLUME IV
DATA BOOK**

AUGUST 1994

KOKUSAI KOGYO Co., Ltd.

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THE REPUBLIC OF PARAGUAY

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FOR METROPOLITAN AREA OF ASUNCION

FINAL REPORT VOLUME IV
DATA BOOK

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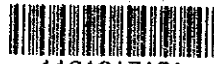
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国際協力事業団

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LIST OF VOLUMES

VOLUME I	EXECUTIVE SUMMARY
VOLUME I(S)	EXECUTIVE SUMMARY (Spanish Version)
VOLUME II	MAIN REPORT
VOLUME II(S)	MAIN REPORT (Spanish Version)
VOLUME III	ANNEX
	A Profile of the Study Area
	B Waste Amount and Composition Survey
	C Public Opinion Survey
	D Investigation of Present and Candidate Disposal Sites
	E Other Field Surveys
	F Present Municipal Solid Waste Management
	G Localization of Inter-municipal Final Disposal Site
	H Examination of Technical System Alternative Plan
	I The Master Plan
	J Feasibility Study of the First Priority Project
	K General Recommendation for the Improvement of ISWM and MSWM
VOLUME IV	DATA BOOK

This is the DATA BOOK.

List of Contents

- A. Survey Data of Waste Composition
 - A1. in July 1993
 - A2. in February 1994
- B. Topographical Maps
- C. Geological Survey Data
- D. Land Use Maps
- E. Truck Scale
 - E1. Specification
 - E2. Drawings
 - E3. Operation Manual
 - E4. Output
 - E.4.1 Registration of Incoming Vehicles
 - E.4.2 Daily and Weekly Incoming Waste
 - E.4.3 Number of Incoming Vehicles
 - E.4.4 Monthly Disposal Amount
- F. Estimated MSWM Costs for 15 Municipalities
- G. Financial Plans for 14 Municipalities
- H. Urbanized Area Maps for 15 Municipalities
- I. Drawings

A. Survey Data of Waste Composition

A1. in July 1993

Table Results Wastes Amount Survey in Winter [Discharge Source: Markets, Commercial Area, Institutions, Roads] (unit: g)

Survey Point	Number of Unit	Date							Total Amount	Average/Day	Average/Day/Unit	
		20, July Tue	21, July Wed	22, July Thu	23, July Fri	24, July Sat	25, July Sun	26, July Mon				
Market	MR-1	98	-	-	-	-	-	-	-	-	-	
	MR-2	171	-	-	-	-	-	-	-	-	-	
	Sub-Total	269	1,500,000	1,800,000	1,700,000	2,050,000	1,800,000	1,800,000	8,850,000	1,770,000	6,580	
Average	-	-	-	-	-	-	-	-	-	-	-	
Commercial (Restaurant)	CR-1	7	5,100	14,000	15,000	11,000	12,000	12,000	10,500	79,600	11,371	
	CR-2	5	11,000	15,000	13,000	26,000	9,000	16,000	7,000	97,000	13,857	
	CR-3	3	2,100	4,000	3,500	4,250	5,000	2,500	-	21,350	3,558	
	CR-16	25	1,700	8,500	4,700	46,500	186,500	-	-	56,000	303,900	50,650
	CR-17	15	-	40,000	5,700	71,600	80,000	-	-	58,500	255,800	51,160
	Sub-Total	55	19,900	81,500	41,900	159,350	292,500	30,500	132,000	757,650	108,236	
Average	-	-	-	-	-	-	-	-	-	26,119	-	
Commercial (Others)	CO-1	5	2,650	5,000	2,500	1,900	-	-	1,250	7,000	20,300	3,383
	CO-2	25	1,000	4,050	1,500	600	-	-	950	2,000	10,100	1,683
	CO-16	18	1,700	2,550	3,150	1,600	-	-	1,450	1,500	11,950	1,992
	CO-17	15	2,000	3,400	1,850	6,000	-	-	0	4,000	17,250	2,875
	CO-18	30	2,150	2,200	4,400	2,650	-	-	1,850	3,500	16,750	2,792
	Sub-Total	93	9,500	17,200	13,400	12,750	-	-	5,500	18,000	76,350	12,725
Average	-	-	-	-	-	-	-	-	-	2,545	-	
Public office	OF-1	781	26,000	26,500	22,000	-	-	-	-	74,500	24,833	32
	OF-2	750	30,500	36,500	38,500	27,500	-	-	37,000	170,000	34,000	45
	OF-3	60	-	5,500	8,000	4,000	-	-	-	22,500	5,625	94
	OF-4	80	14,000	11,000	6,500	-	-	-	13,000	44,500	11,125	139
	OF-5	490	43,000	49,000	53,500	29,500	-	-	63,000	238,000	47,600	97
	Sub-Total	2161	113,500	128,500	128,500	61,000	-	-	118,000	549,500	109,900	-
Average	-	-	-	-	-	-	-	-	-	-	81	
Road Sweeping	RS-1	1.12	-	-	128,500	51,000	-	-	100,000	110,250	389,750	97,438
	RS-2	1.74	240,000	172,000	52,000	-	-	-	201,000	-	665,000	166,250
	Sub-Total	2.86	240,000	172,000	180,500	51,000	-	-	301,000	110,250	1,054,750	175,792
Average	-	-	-	-	-	-	-	-	-	-	91,272	

Table Results of Waste Amount Survey in Winter [Discharge Source: Residential Area (High Income)] (unit: g)

Survey Point	Number of Unit	Date										Total Amount	Average/Day	Average/Day/Person
		20, July Tue	21, July Wed	22, July Thu	23, July Fri	24, July Sat	25, July Sun	26, July Mon						
Asuncion	RH-A01	5	2,150	3,500	4,000	0	2,000	5,500	5,000	22,150	3,164	633		
	RH-A02	14	16,000	24,000	0	20,000	8,000	5,000	3,500	76,500	10,929	781		
	RH-A03	6	7,600	8,500	4,500	6,400	7,500	4,500	22,500	61,500	8,786	1,454		
	RH-A04	4	2,400	4,150	6,000	5,500	3,500	1,300	3,000	25,850	3,693	923		
	RH-A05	5	4,600	4,000	6,500	6,750	8,500	200	7,000	37,550	5,364	1,073		
	RH-A11	3	1,650	9,050	2,000	4,500	5,000	2,000	14,600	38,800	5,543	1,848		
	RH-A12	4	10,300	1,650	4,500	2,150	30,000	4,000	3,500	56,100	8,014	2,004		
	RH-A13	12	8,000	7,000	11,000	23,550	0	9,750	17,500	76,800	10,971	914		
	RH-A14	13	20,000	21,000	16,000	13,500	11,000	6,500	16,000	104,000	14,857	1,143		
	RH-A15	6	7,000	6,000	6,000	5,000	0	4,000	8,000	36,000	5,143	857		
	Average	-	-	-	-	-	-	-	-	-	-	-	1,164	
	San Lorenzo	RH-S01	8	11,000	6,000	6,500	6,000	13,000	12,000	27,500	82,000	11,714	1,464	
		RH-S02	10	25,500	2,600	19,500	6,500	7,500	12,500	16,500	90,600	12,943	1,294	
		RH-S03	8	8,500	3,000	16,500	3,000	9,500	2,500	15,500	58,500	8,357	1,045	
		RH-S04	6	8,000	8,500	2,500	4,000	2,000	0	26,000	51,000	7,286	1,214	
RH-S05		8	6,500	5,000	4,500	3,500	0	6,500	4,000	30,000	4,286	536		
Average	-	-	-	-	-	-	-	-	-	-	-	1,111		
Nearby	RH-N01	6	4,500	6,500	1,500	4,000	2,500	1,500	7,000	27,500	3,929	655		
	RH-N02	8	22,500	34,500	16,000	46,000	8,000	2,000	3,000	132,000	18,857	2,357		
	RH-N03	4	1,500	6,000	3,500	2,000	3,000	1,000	10,000	27,000	3,857	964		
	RH-N04	8	17,000	0	3,500	7,000	1,500	0	3,000	32,000	4,571	571		
	RH-N05	5	22,000	2,000	4,500	3,000	1,000	8,500	6,500	47,500	6,786	1,357		
Average	-	-	-	-	-	-	-	-	-	-	-	1,181		

Table Results of Waste Amount Survey in Winter [Discharge Source: Residential Area (Middle Income)] (unit: g)

Survey Point	Number of Unit	Date										Total Amount	Average/Day	Average/Day/Person
		20, July Tue	21, July Wed	22, July Thu	23, July Fri	24, July Sat	25, July Sun	26, July Mon						
Asuncion	RM-A01	7	2,550	2,500	2,000	1,250	2,750	1,500	2,000	14,550	2,079	297		
	RM-A02	6	4,200	3,950	2,500	7,750	35,000	1,700	3,000	58,100	8,300	1,383		
	RM-A03	6	5,000	4,950	8,000	7,750	10,500	8,500	0	44,700	6,386	1,064		
	RM-A04	10	8,500	6,000	4,000	4,000	5,500	6,500	5,500	40,000	5,714	571		
	RM-A05	6	6,500	8,000	9,000	8,500	5,500	4,500	10,000	52,000	7,429	1,238		
	RM-A11	9	4,800	6,500	9,000	10,000	4,500	5,000	11,500	51,300	7,329	814		
	RM-A12	4	5,100	2,700	6,500	8,000	6,000	5,500	5,000	38,800	5,543	1,386		
	RM-A13	6	6,000	9,000	4,000	5,500	6,500	7,000	8,500	46,500	6,643	1,107		
	RM-A14	4	1,000	1,150	2,000	2,450	3,000	4,500	850	14,950	2,136	534		
	RM-A15	3	3,000	1,500	2,500	3,050	3,500	0	5,500	19,050	2,721	907		
	Average	-	-	-	-	-	-	-	-	-	-	-	930	
	San Lorenzo	RM-S01	5	2,000	4,500	4,500	4,500	7,500	6,000	6,500	35,500	5,071	1,014	
		RM-S02	8	7,000	4,500	11,000	11,000	1,500	3,500	8,500	47,000	6,714	839	
		RM-S03	5	5,500	1,500	11,000	0	17,000	5,500	4,500	45,000	6,429	1,286	
		RM-S04	6	3,000	3,000	3,000	1,500	1,000	0	5,500	17,000	2,429	405	
RM-S05		5	0	2,500	4,000	1,000	7,000	7,500	3,500	25,500	3,643	729		
Average	-	-	-	-	-	-	-	-	-	-	-	855		
Nearby	RM-N01	2	500	1,000	1,000	1,000	1,000	500	1,000	6,000	857	429		
	RM-N02	7	6,000	4,500	5,000	4,500	6,000	3,000	6,500	35,500	5,071	724		
	RM-N03	5	6,000	4,500	8,000	2,500	1,500	1,500	3,000	27,000	3,857	771		
	RM-N04	3	2,000	1,000	2,500	4,500	1,000	1,000	1,500	13,500	1,929	643		
	RM-N05	4	7,500	4,000	3,500	2,500	6,500	17,000	6,500	47,500	6,786	1,696		
Average	-	-	-	-	-	-	-	-	-	-	-	853		

Survey Point	Number of Unit	Date														Total Amount	Average/Day	Average/Day/Person
		Results of Waste Amount Survey in Winter [Discharge Source: Residential Area (Low Income)]																
		20, July Tue	21, July Wed	22, July Thu	23, July Fri	24, July Sat	25, July Sun	26, July Mon										
	RL-A01	10	6,000	5,000	4,000	2,700	8,000	3,150	4,500	33,350	4,764	476						
	RL-A02	10	12,200	0	9,000	0	1,500	5,500	4,000	32,200	4,600	460						
	RL-A03	25	21,500	18,500	10,000	11,000	11,000	7,000	14,000	93,000	13,286	531						
	RL-A04	9	7,500	6,000	9,000	8,000	8,000	12,000	6,250	56,750	8,107	901						
Asuncion	RL-A05	6	1,750	1,650	1,000	900	1,500	500	1,500	8,800	1,257	210						
	RL-A11	8	1,650	1,450	8,500	950	3,000	1,250	2,500	19,300	2,757	345						
	RL-A12	7	900	2,000	2,000	6,500	1,600	1,000	3,500	17,500	2,500	357						
	RL-A13	7	2,200	4,450	1,000	7,500	2,500	1,000	2,500	21,150	3,021	432						
	RL-A14	4	3,100	10,000	3,500	3,500	2,500	5,000	1,500	29,100	4,157	1,039						
	RL-A15	11	5,700	7,000	6,000	2,000	10,500	5,000	16,500	52,700	7,529	684						
	Average	-	-	-	-	-	-	-	-	-	-	544						
	RL-S01	5	2,500	1,500	2,500	2,000	2,500	1,000	3,000	15,000	2,143	429						
	RL-S02	10	6,500	6,500	9,000	2,500	8,500	6,500	4,000	43,500	6,214	621						
San Lorenzo	RL-S03	7	13,000	6,000	7,000	2,500	4,000	7,000	4,000	43,500	6,214	888						
	RL-S04	5	5,500	8,500	4,500	4,500	8,500	4,500	8,500	44,500	6,357	1,271						
	RL-S05	6	9,000	5,500	10,500	11,500	6,500	6,000	7,500	56,500	8,071	1,345						
	Average	-	-	-	-	-	-	-	-	-	-	911						
	RL-N01	6	3,000	2,000	2,000	0	1,500	2,000	25,000	35,500	5,071	845						
	RL-N02	7	5,000	11,500	4,000	1,500	1,000	1,500	1,000	25,500	3,643	520						
Nemby	RL-N03	13	44,000	6,500	28,500	9,500	9,000	15,500	8,500	121,500	17,357	1,335						
	RL-N04	3	8,500	8,000	11,500	9,500	11,500	10,000	14,500	73,500	10,500	(3,500)						
	RL-N05	4	6,000	5,500	4,500	5,500	5,000	4,000	4,500	35,000	5,000	1,250						
	Average	-	-	-	-	-	-	-	-	-	-	988						

* RL-N04(Nemby) was excepted from calculation due to large amount in comparison with other samples.

Table Results of Waste Composition Survey in Winter - Wet Base [Discharge Source: Residential Area (High Income)]

Date	Item	Physical Composition											Apparent Specific Gravity Kg/l
		Garbage	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	TOTAL	
20, July	g	936	470	582	117	2,150	0	178	667	124	339	5,563	0.21
	%	16.8	8.4	10.5	2.1	38.6	0	3.2	12	2.2	6.1	99.9	
21, July	g	1,590	525	10	95	1,185	0	180	480	0	890	4,955	0.17
	%	32.1	10.6	0.2	1.9	23.9	0	3.6	9.7	0	18.0	100	
22, July	g	2,575	345	155	285	1,495	0	30	90	0	710	5,685	0.18
	%	45.3	6.1	2.7	5	26.3	0	0.5	1.6	0	12.5	100	
23, July	g	1,501	224	4	531	947	0	6	47	170	1,257	4,687	0.17
	%	32	4.8	0.1	11.3	20.2	0	0.1	1	3.6	26.8	99.9	
24, July	g	930	145	15	100	220	0	160	0	85	2,080	3,735	0.15
	%	24.9	3.9	0.4	2.7	5.9	0	4.3	0	2.3	55.7	100	
25, July	g	2,100	595	275	180	735	240	85	215	45	835	5,305	0.16
	%	39.6	11.2	5.2	3.4	13.9	4.5	1.6	4.1	0.8	15.7	100	
26, July	g	2,721	166	2	57	3,951	0	18	600	638	3,180	11,333	0.34
	%	24	1.5	0	0.5	34.9	0	0.2	5.3	5.6	28.1	100.1	
TOTAL	g	12,353	2,470	1,043	1,365	10,683	240	657	2,099	1,062	9,291	41,263	0.20
	%	29.9	6	2.5	3.3	25.9	0.6	1.6	5.1	2.6	22.5	100	

Table Results of Waste Composition Survey in Winter - Wet Base [Discharge Source: Residential Area (Middle Income)]

Date	Item	Physical Composition											Apparent Specific Gravity Kg/l
		Garbage	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	TOTAL	
20, July	g	1,603	307	4	32	734	101	118	274	0	697	3,870	0.18
	%	41.4	7.9	0.1	0.8	19.0	2.6	3.0	7.1	0.0	18.0	100	
21, July	g	2,395	400	35	135	575	3	70	325	30	602	4,570	0.15
	%	52.4	8.8	0.8	3.0	12.6	0.1	1.5	7.1	0.7	13.2	100	
22, July	g	2,350	300	195	190	1,935	0	0	210	65	765	6,010	0.15
	%	39.1	5.0	3.2	3.2	32.2	0.0	0.0	3.5	1.1	12.7	100	
23, July	g	976	235	119	93	427	52	5	0	38	238	2,183	0.10
	%	44.7	10.8	5.5	4.3	19.6	2.4	0.2	0.0	1.7	10.9	100	
24, July	g	595	135	80	60	1,065	130	15	0	25	430	2,535	0.11
	%	23.5	5.3	3.2	2.4	42.0	5.1	0.6	0.0	1.0	17.0	100	
25, July	g	1,205	1,050	10	90	705	0	175	470	10	810	4,525	0.16
	%	26.6	23.2	0.2	2.0	15.6	0.0	3.9	10.4	0.2	17.9	100	
26, July	g	5,939	636	34	180	444	0	1	283	74	1,481	9,072	0.31
	%	65.5	7.0	0.4	2.0	4.9	0.0	0.0	3.1	0.8	16.3	100	
TOTAL Week	g	15,063	3,063	477	780	5,885	286	384	1,552	242	5,023	32,765	0.17
	%	46	9.3	1.5	2.4	18	0.9	1.2	4.8	0.7	15.3	100	

Table Results of Waste Composition Survey in Winter - Wet Base [Discharge Source: Residential Area (Low Income)]

Date	Item	Physical Composition											Apparent Specific Gravity Kg/l
		Garbage	Paper	Textile	Plastic	Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	TOTAL	
20, July	g	1,049	124	698	81	1,265	0	31	209	693	3,481	7,631	0.32
	%	13.7	1.6	9.1	1.1	16.6	0.0	0.4	2.7	9.1	45.6	100	
21, July	g	170	90	30	215	515	130	25	325	35	1,675	3,210	0.12
	%	5.3	2.8	0.9	6.7	16.0	4.0	0.8	10.1	1.1	52.2	100	
22, July	g	1,125	215	260	115	1,465	95	165	30	570	3,205	7,245	0.26
	%	15.5	3.0	3.6	1.6	20.2	1.3	2.3	0.4	7.9	44.2	100	
23, July	g	948	188	13	123	977	0	27	78	156	1,801	4,311	0.25
	%	22.0	4.4	0.3	2.9	22.7	0.0	0.6	1.8	3.6	41.8	100	
24, July	g	955	145	75	150	2,110	0	100	0	455	3,965	7,955	0.35
	%	12.0	1.8	0.9	1.9	26.5	0.0	1.3	0.0	5.7	49.8	100	
25, July	g	935	250	25	120	575	80	25	225	185	1,215	3,635	0.15
	%	25.7	6.9	0.7	3.3	15.8	2.2	0.7	6.2	5.1	33.4	100	
26, July	g	2,183	370	265	161	934	66	16	233	639	1,959	6,826	0.22
	%	32.0	5.4	3.9	2.4	13.7	1.0	0.2	3.4	9.4	28.7	100	
TOTAL	g	7,365	1,382	1,366	965	7,841	371	389	1,100	2,733	17,301	40,813	0.24
	%	18.0	3.4	3.3	2.4	19.2	0.9	1.0	2.7	6.7	42.4	100	

Table Results of Waste Composition Survey in Winter - Wet Base [Discharge Source: Markets]

Item		Physical Composition											Apparent Specific Gravity Kg/l
		Garbage	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	TOTAL	
20, July	g	7,991	964	3	63	195	0	14	471	0	1,088	10,789	0.35
	%	74.1	8.9	0	0.5	1.8	0	0.1	4.4	0	10.1	100	
21, July	g	5,850	600	2	120	345	0	15	0	60	1,118	8,110	0.32
	%	72.1	7.4	0	1.5	4.3	0	0.2	0	0.7	13.8	100	
22, July	g	4,155	770	0	315	150	0	60	1,300	150	1,440	8,340	0.21
	%	49.8	9.2	0	3.8	1.8	0	0.7	15.6	1.8	17.3	100	
23, July	g	2,998	350	21	171	183	0	4	752	58	301	4,838	0.21
	%	62	7.2	0.4	3.5	3.8	0	0.1	15.5	1.2	6.2	99.9	
24, July	g	6,245	625	5	115	165	100	45	215	115	370	8,000	0.35
	%	78.1	7.8	0.1	1.4	2.1	1.3	0.6	2.7	1.4	4.6	100.1	
25, July	g	-	-	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-	-	
26, July	g	7,571	627	0	414	175	0	18	209	0	416	9,430	0.29
	%	80.3	6.6	0	4.4	1.9	0	0.2	2.2	0	4.4	100	
TOTAL	g	34,810	3,936	31	1,198	1,213	100	156	2,947	383	4,733	49,507	0.29
%	70.3	8	0.1	2.4	2.5	0.2	0.3	6	0.8	9.6	100.2		

Table Results of Waste Composition Survey in Winter - Wet Base [Discharge Source: Commercial Area (Restaurants)]

Date	Item	Physical Composition										Apparent Specific Gravity Kg/l				
		Garbage	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other		TOTAL			
20, July	g	3,102	320	0	176	44	0	82	0	0	0	0	0	0	3,724	0.21
	%	83.3	8.6	0.0	4.7	1.2	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	100	
21, July	g	5,725	745	0	295	100	0	170	0	0	0	415	0	930	8,380	0.31
	%	68.3	8.9	0.0	3.5	1.2	0.0	2.0	0.0	0.0	0.0	5.0	0.0	11.1	100	
22, July	g	2,465	405	0	150	0	0	195	0	0	0	185	0	1,285	4,685	0.22
	%	52.6	8.6	0.0	3.2	0.0	0.0	4.2	0.0	0.0	0.0	3.9	0.0	27.4	100	
23, July	g	6,844	217	0	210	95	0	114	0	0	0	1,437	0	0	8,917	0.37
	%	76.8	2.4	0.0	2.4	1.1	0.0	1.3	0.0	0.0	0.0	16.1	0.0	0.0	100	
24, July	g	10,435	500	0	115	115	0	230	0	0	0	1,795	0	335	13,525	0.48
	%	77.2	3.7	0.0	0.9	0.9	0.0	1.7	0.0	0.0	0.0	13.3	0.0	2.5	100	
25, July	g	4,140	565	0	95	20	0	200	0	0	0	460	0	345	5,825	0.34
	%	71.1	9.7	0.0	1.6	0.3	0.0	3.4	0.0	0.0	0.0	7.9	0.0	5.9	100	
26, July	g	9,400	210	0	399	0	0	15	0	0	0	834	0	0	10,858	0.34
	%	86.6	1.9	0.0	3.7	0.0	0.0	0.1	0.0	0.0	0.0	7.7	0.0	0.0	100	
TOTAL	g	42,111	2,962	0	1,440	374	0	1,006	0	0	0	5,126	0	2,835	55,914	0.33
	%	75.3	5.3	0.0	2.6	0.7	0.0	1.8	0.0	0.0	0.0	9.2	0.0	5.2	100	

Table Results of Waste Composition Survey in Winter - Wet Base [Discharge Source: Commercial Area (Others)]

Date	Item	Physical Composition											Apparent Specific Gravity Kg/l
		Garbage	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	TOTAL	
20. July	g	284	518	0	123	0	0	0	15	0	223	1,163	0.04
	%	24.4	44.5	0.0	10.6	0.0	0.0	0.0	1.3	0.0	19.2	100	
21. July	g	250	585	20	65	55	0	95	10	0	115	1,195	0.04
	%	20.9	49.0	1.7	5.4	4.6	0.0	7.9	0.8	0.0	9.6	100	
22. July	g	85	500	0	35	10	0	0	0	75	0	705	0.03
	%	12.1	70.9	0.0	5.0	1.4	0.0	0.0	0.0	10.6	0.0	100	
23. July	g	176	655	0	116	55	0	17	60	0	117	1,196	0.04
	%	14.7	54.8	0.0	9.7	4.6	0.0	1.4	5.0	0.0	9.8	100	
24. July	g	-	-	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-	-	
25. July	g	0	535	30	105	0	0	0	435	5	230	1,340	0.04
	%	0.0	39.9	2.2	7.8	0.0	0.0	0.0	32.5	0.4	17.2	100	
26. July	g	788	664	57	192	0	0	21	96	129	371	2,318	0.08
	%	34.0	28.6	2.5	8.3	0.0	0.0	0.9	4.1	5.6	16.0	100	
TOTAL	g	1,583	3,457	107	636	120	0	133	616	209	1,056	7,917	0.05
	%	20.0	43.7	1.4	8.0	1.5	0.0	1.7	7.8	2.6	13.3	100	

Table Results of Waste Composition Survey in Winter - Wet Base [Discharge Source: Institutions]

Date	Item	Physical Composition											Apparent Specific Gravity Kg/l
		Garbage	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	TOTAL	
20, July	g	83	1,322	12	221	442	0	3	0	0	264	2,347	0.05
	%	3.5	55.3	0.5	9.4	18.8	0.0	0.1	0.0	0.0	11.2	100	
21, July	g	415	1,345	0	145	375	0	20	3	2	560	2,865	0.09
	%	14.5	46.9	0.0	5.1	13.1	0.0	0.7	0.1	0.1	19.5	100	
22, July	g	185	915	0	115	105	0	50	85	25	1,680	3,160	0.11
	%	5.9	29.0	0.0	3.6	3.3	0.0	1.6	2.7	0.8	53.2	100	
23, July	g	241	827	0	158	175	0	205	0	0	366	1,972	0.06
	%	12.2	41.9	0.0	8.0	8.9	0.0	10.4	0.0	0.0	18.6	100	
24, July	g	-	-	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-	-	
25, July	g	-	-	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-	-	
26, July	g	260	1,393	21	109	583	0	43	0	111	1,308	3,828	0.12
	%	6.8	36.4	0.5	2.8	15.2	0.0	1.1	0.0	2.9	34.2	100	
TOTAL Week	g	1,184	5,802	33	748	1,680	0	321	88	138	4,178	14,172	0.09
	%	8.4	40.9	0.2	5.3	11.9	0.0	2.3	0.6	1.0	29.5	100	

Table Results of Moisture content in Winter [Discharge Source: Residential Area (High Income)]
Moisture Content

Date	Item	Garbage	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	TOTAL
20, July (Tue)	wet base g.	936.49	469.52	581.98	116.89	2,150.13	0.00	177.80	666.85	124.06	339.18	5,562.90
	dry base g.	372.41	321.74	406.03	88.89	1,195.53	0.00	170.79	665.85	123.60	257.50	3,602.34
	moisture g.	564.08	147.78	175.95	28.00	954.60	0.00	7.01	1.00	0.46	81.68	1,960.56
	content %	60.23	31.47	30.23	23.95	44.40	0.00	3.94	0.15	0.37	24.08	35.24
21, July (Wed)	wet base g.	1,590.00	525.00	10.00	95.00	1,185.00	0.00	180.00	480.00	0.00	890.00	4,955.00
	dry base g.	639.18	373.27	8.30	80.99	651.75	0.00	161.69	479.33	0.00	724.99	3,181.61
	moisture g.	950.82	151.73	1.70	14.01	533.25	0.00	18.31	0.67	0.00	165.01	1,773.39
	content %	59.80	28.90	17.00	14.75	45.00	0.00	10.17	0.14	0.00	18.54	35.79
22, July (Thu)	wet base g.	2,575.00	345.00	155.00	285.00	1,495.00	0.00	30.00	90.00	0.00	710.00	5,685.00
	dry base g.	1,035.15	245.29	128.65	242.96	822.25	0.00	26.95	89.87	0.00	578.37	3,650.34
	moisture g.	1,539.85	99.71	26.35	42.04	672.75	0.00	3.05	0.13	0.00	131.63	2,034.66
	content %	59.80	28.90	17.00	14.75	45.00	0.00	10.17	0.14	0.00	18.54	35.79
23, July (Fri)	wet base g.	1,500.51	223.89	3.98	531.18	946.78	0.00	6.05	47.26	169.80	1,257.10	4,686.55
	dry base g.	465.51	162.34	3.35	486.38	601.78	0.00	4.49	47.25	168.10	1,051.20	2,990.40
	moisture g.	1,035.00	61.55	0.63	44.80	345.00	0.00	1.56	0.01	1.70	205.90	1,696.15
	content %	68.98	27.49	15.83	8.43	36.44	0.00	25.79	0.02	1.00	16.38	36.19
24, July (Sat)	wet base g.	930.00	145.00	15.00	100.00	220.00	0.00	160.00	0.00	85.00	2,080.00	3,735.00
	dry base g.	373.86	103.09	12.45	85.25	121.00	0.00	143.73	0.00	83.26	1,694.37	2,398.24
	moisture g.	556.14	41.91	2.55	14.75	99.00	0.00	16.27	0.00	1.74	385.63	1,336.76
	content %	59.80	28.90	17.00	14.75	45.00	0.00	10.17	0.00	2.05	18.54	35.79
25, July (Sun)	wet base g.	2,100.00	595.00	275.00	180.00	735.00	240.00	85.00	215.00	45.00	835.00	5,305.00
	dry base g.	844.20	423.04	228.25	153.45	404.25	240.00	76.36	214.70	44.08	680.19	3,406.34
	moisture g.	1,255.80	171.96	46.75	26.55	330.75	0.00	8.64	0.30	0.92	154.81	1,898.66
	content %	59.80	28.90	17.00	14.75	45.00	0.00	10.17	0.14	2.05	18.54	35.79
26, July (Mon)	wet base g.	2,721.08	166.48	1.62	56.61	3,950.50	0.00	17.69	599.51	638.34	3,180.24	11,332.07
	dry base g.	1,355.28	120.31	1.54	49.89	1,810.22	0.00	17.55	597.96	607.88	2,698.24	7,258.87
	moisture g.	1,365.80	46.17	0.08	6.72	2,140.28	0.00	0.14	1.55	30.46	482.00	4,073.20
	content %	50.19	27.73	4.94	11.87	54.18	0.00	0.79	0.26	4.77	15.16	35.94
Average	moisture %	59.80	28.90	17.00	14.75	45.00	0.00	10.17	0.14	2.05	18.54	35.79
	content											

Table Results of Moisture content in Winter [Discharge Source: Residential Area (Middle Income)]

Date	Item	Moisture Content											TOTAL
		Garbage	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other		
20, July (Tue)	wet base g	1,603.08	306.96	3.87	31.71	733.60	100.96	117.67	273.54	0.00	697.06	3,868.45	
	dry base g	858.33	238.32	3.08	31.25	457.15	99.07	117.14	273.26	0.00	582.14	2,639.74	
	moisture g	744.75	68.64	0.79	0.46	276.45	1.89	0.53	0.28	0.00	114.92	1,208.71	
	content %	46.46	22.36	20.41	1.45	37.58	1.87	0.45	0.10	0.00	16.49	31.25	
21, July (Wed)	wet base g	2,395.00	400.00	35.00	135.00	575.00	3.00	70.00	325.00	30.00	602.00	4,570.00	
	dry base g	933.33	295.56	25.49	113.25	333.27	2.96	69.26	324.61	28.69	449.09	2,528.12	
	moisture g	1,461.67	104.44	9.51	21.75	241.73	0.04	0.74	0.39	1.31	152.91	2,041.88	
	content %	61.03	26.11	27.17	16.11	42.04	1.27	1.05	0.12	4.37	25.40	44.68	
22, July (Thu)	wet base g	2,350.00	300.00	195.00	190.00	1,935.00	0.00	0.00	210.00	65.00	765.00	6,010.00	
	dry base g	915.79	221.67	142.02	159.39	1,121.53	0.00	0.00	209.75	62.16	570.69	3,324.73	
	moisture g	1,434.21	78.33	52.98	30.61	813.47	0.00	0.00	0.25	2.84	194.31	2,685.27	
	content %	61.03	26.11	27.17	16.11	42.04	0.00	0.00	0.12	4.37	25.40	44.68	
23, July (Fri)	wet base g	976.06	234.77	119.40	93.37	427.47	52.07	5.20	0.00	37.53	237.77	2,183.64	
	dry base g	322.31	198.84	74.80	73.22	238.63	51.72	5.20	0.00	36.38	173.68	1,174.78	
	moisture g	653.75	35.93	44.60	20.15	188.84	0.35	0.00	0.00	1.15	64.09	1,008.86	
	content %	66.98	15.30	37.35	21.58	44.18	0.67	0.00	0.00	3.06	26.95	46.20	
24, July (Sat)	wet base g	595.00	135.00	80.00	60.00	1,065.00	130.00	15.00	0.00	25.00	430.00	2,535.00	
	dry base g	231.87	99.75	58.26	50.33	617.27	128.35	14.84	0.00	23.91	320.78	1,402.36	
	moisture g	363.13	35.25	21.74	9.67	447.73	1.65	0.16	0.00	1.09	109.22	1,132.64	
	content %	61.03	26.11	27.17	16.11	42.04	1.27	1.05	0.00	4.37	25.40	44.68	
25, July (Sun)	wet base g	1,205.00	1,050.00	10.00	90.00	705.00	0.00	175.00	470.00	10.00	810.00	4,525.00	
	dry base g	469.59	775.84	7.28	75.50	408.62	0.00	173.16	469.44	9.56	604.26	2,503.23	
	moisture g	735.41	274.16	2.72	14.50	296.38	0.00	1.84	0.56	0.44	205.74	2,021.77	
	content %	61.03	26.11	27.17	16.11	42.04	0.00	1.05	0.12	4.37	25.40	44.68	
26, July (Mon)	wet base g	5,939.25	635.95	33.77	179.91	443.76	0.00	1.48	282.56	73.76	1,481.17	9,071.61	
	dry base g	1,802.65	377.35	25.75	134.41	247.35	0.00	1.44	282.18	69.57	996.10	3,936.80	
	moisture g	4,136.60	258.60	8.02	45.50	196.41	0.00	0.04	0.38	4.19	485.07	5,134.81	
	content %	69.65	40.66	23.75	25.29	44.26	0.00	2.70	0.13	5.68	32.75	56.60	
Average	moisture content %	61.03	26.11	27.17	16.11	42.04	1.27	1.05	0.12	4.37	25.40	44.68	
	content %												

Table Results of Moisture content in Winter [Discharge Source: Residential Area (Low Income)]

Date	Item	Moisture Content										TOTAL
		Garbage	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	
20, July (Tue)	wet base g	1,048.59	123.97	697.51	80.50	1,265.39	0.00	30.54	209.28	693.22	3,481.44	7,630.44
	dry base g	595.61	102.23	375.52	68.51	766.49	0.00	30.34	209.16	675.23	3,117.36	5,940.45
	moisture g	452.98	21.74	321.99	11.99	498.90	0.00	0.20	0.12	17.99	364.08	1,689.99
	content %	43.20	17.54	46.16	14.89	39.43	0.00	0.65	0.06	2.60	10.46	22.15
21, July (Wed)	wet base g	170.00	90.00	30.00	215.00	515.00	130.00	25.00	325.00	35.00	1,675.00	3,210.00
	dry base g	86.73	72.55	19.09	181.72	340.98	113.31	22.59	324.19	33.69	1,499.12	2,413.28
	moisture g	83.27	17.45	10.91	33.28	174.02	16.69	2.41	0.81	1.31	175.88	796.72
	content %	48.98	19.39	36.36	15.48	33.79	12.84	9.63	0.25	3.73	10.50	24.82
22, July (Thu)	wet base g	1,125.00	215.00	260.00	115.00	1,465.00	95.00	165.00	30.00	570.00	3,205.00	7,245.00
	dry base g	573.97	173.31	165.46	97.20	989.98	82.80	149.11	29.92	548.74	2,868.47	5,446.79
	moisture g	551.03	41.69	94.54	17.80	495.02	12.20	15.89	0.08	21.26	336.53	1,798.21
	content %	48.98	19.39	36.36	15.48	33.79	12.84	9.63	0.25	3.73	10.50	24.82
23, July (Fri)	wet base g	948.01	187.72	13.15	122.93	977.34	0.00	27.06	77.99	156.47	1,800.71	4,311.38
	dry base g	407.17	151.57	12.29	96.45	609.54	0.00	19.59	77.95	148.07	1,656.21	3,178.84
	moisture g	540.84	36.15	0.86	26.48	367.80	0.00	7.47	0.04	8.40	144.50	1,132.54
	content %	57.05	19.26	6.54	21.54	37.63	0.00	27.61	0.05	5.37	8.02	26.27
24, July (Sat)	wet base g	955.00	145.00	75.00	150.00	2,110.00	0.00	100.00	0.00	455.00	3,965.00	7,955.00
	dry base g	487.24	116.88	47.73	126.78	1,397.03	0.00	90.37	0.00	438.03	3,548.67	5,980.57
	moisture g	467.76	28.12	27.27	23.22	712.97	0.00	9.63	0.00	16.97	416.33	1,974.43
	content %	48.98	19.39	36.36	15.48	33.79	0.00	9.63	0.00	3.73	10.50	24.82
25, July (Sun)	wet base g	935.00	250.00	25.00	120.00	575.00	80.00	25.00	225.00	185.00	1,215.00	3,635.00
	dry base g	477.04	201.52	15.91	101.42	380.71	69.73	22.59	224.44	178.10	1,087.42	2,732.79
	moisture g	457.96	48.48	9.09	18.58	194.29	10.27	2.41	0.56	6.90	127.58	902.21
	content %	48.98	19.39	36.36	15.48	33.79	12.84	9.63	0.25	3.73	10.50	24.82
26, July (Mon)	wet base g	2,182.86	389.69	264.52	160.94	934.30	65.90	16.11	232.68	638.74	1,959.11	6,824.85
	dry base g	1,163.36	290.69	115.41	144.82	707.24	57.44	16.01	231.17	618.18	1,704.11	5,048.43
	moisture g	1,019.50	79.00	149.11	16.12	227.06	8.46	0.10	1.51	20.56	255.00	1,776.42
	content %	46.70	21.37	56.37	10.02	24.30	12.84	0.62	0.65	3.22	13.02	26.03
Average	moisture content %	48.98	19.39	36.36	15.48	33.79	12.84	9.63	0.25	3.73	10.50	24.82
	content											

Table Results of Moisture content in Winter [Discharge Source: Commercial Area (Restaurant)]

Date	Item	Moisture Content											TOTAL			
		Garbage	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other					
20, July (Tue)	wet base	3,102.34	320.07	0.00	176.24	44.07	0.00	81.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,724.29
	dry base	1,072.66	164.90	0.00	99.17	17.09	0.00	74.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,427.93
	moisture	2,029.68	155.17	0.00	77.07	26.98	0.00	7.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,296.36
	content	65.42	48.48	0.00	43.73	61.22	0.00	9.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.66
21, July (Wed)	wet base	5,725.00	745.00	0.00	295.00	100.00	0.00	170.00	0.00	0.00	0.00	0.00	0.00	0.00	930.00	8,380.00
	dry base	1,940.77	331.60	0.00	152.25	48.54	0.00	142.73	0.00	0.00	0.00	0.00	0.00	0.00	930.00	3,457.59
	moisture	3,784.23	413.40	0.00	142.75	51.46	0.00	27.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,922.41
	content	66.10	55.49	0.00	48.39	51.46	0.00	16.04	0.21	0.00	0.00	0.00	0.00	0.00	0.00	58.74
22, July (Thu)	wet base	2,465.00	405.00	0.00	150.00	0.00	0.00	195.00	0.00	0.00	0.00	0.00	0.00	0.00	1,285.00	4,685.00
	dry base	835.63	180.27	0.00	77.41	0.00	0.00	163.72	0.00	0.00	0.00	0.00	0.00	0.00	1,285.00	1,933.03
	moisture	1,629.37	224.73	0.00	72.59	0.00	0.00	31.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,751.97
	content	66.10	55.49	0.00	48.39	0.00	0.00	16.04	0.21	0.00	0.00	0.00	0.00	0.00	0.00	58.74
23, July (Fri)	wet base	6,843.96	217.16	0.00	299.79	94.81	0.00	113.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8,916.67
	dry base	2,168.06	111.86	0.00	106.31	55.27	0.00	103.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,982.23
	moisture	4,675.90	105.30	0.00	103.48	39.54	0.00	10.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,934.44
	content	68.32	48.49	0.00	49.33	41.70	0.00	8.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.34
24, July (Sat)	wet base	10,435.00	500.00	0.00	115.00	115.00	0.00	230.00	0.00	0.00	0.00	0.00	0.00	0.00	335.00	13,525.00
	dry base	3,537.46	222.55	0.00	59.35	55.82	0.00	193.11	0.00	0.00	0.00	0.00	0.00	0.00	335.00	5,580.41
	moisture	6,897.54	277.45	0.00	55.65	59.18	0.00	36.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,944.59
	content	66.10	55.49	0.00	48.39	51.46	0.00	16.04	0.21	0.00	0.00	0.00	0.00	0.00	0.00	58.74
25, July (Sun)	wet base	4,140.00	565.00	0.00	95.00	20.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	345.00	5,825.00
	dry base	1,403.46	251.48	0.00	49.03	9.71	0.00	167.92	0.00	0.00	0.00	0.00	0.00	0.00	345.00	2,403.39
	moisture	2,736.54	313.52	0.00	45.97	10.29	0.00	32.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,421.61
	content	66.10	55.49	0.00	48.39	51.46	0.00	16.04	0.21	0.00	0.00	0.00	0.00	0.00	0.00	58.74
26, July (Mon)	wet base	9,400.22	210.33	0.00	398.78	0.00	0.00	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,857.47
	dry base	3,333.32	64.13	0.00	190.98	0.00	0.00	10.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,428.71
	moisture	6,066.90	146.20	0.00	207.80	0.00	0.00	4.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,428.76
	content	64.54	63.51	0.00	52.11	0.00	0.00	30.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	59.21
Average	moisture	66.10	55.49	0.00	48.39	51.46	0.00	16.04	0.21	0.00	0.00	0.00	0.00	0.00	0.00	58.74
	content															

Table Results of Moisture content in Winter [Discharge Source: Commercial Area(Others)]

Date	Item	Moisture Content											TOTAL
		Garbage	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other		
20, July (Tue)	wet base	283.56	517.56	0.00	123.24	0.00	0.00	0.00	15.02	0.00	222.51	0.00	1,161.89
	dry base	123.24	373.07	0.00	116.22	0.00	0.00	0.00	14.97	0.00	82.81	0.00	716.31
	moisture	160.32	138.49	0.00	7.02	0.00	0.00	0.00	0.05	0.00	139.70	0.00	445.53
	content	56.54	26.76	0.00	5.70	0.00	0.00	0.00	0.33	0.00	62.78	0.00	38.35
21, July (Wed)	wet base	250.00	585.00	20.00	65.00	55.00	0.00	95.00	10.00	0.00	115.00	0.00	1,195.00
	dry base	89.67	461.16	16.30	60.61	16.15	0.00	90.56	9.97	0.00	62.64	0.00	798.26
	moisture	160.33	123.84	3.70	4.39	38.85	0.00	4.44	0.03	0.00	52.36	0.00	396.74
	content	64.13	21.17	18.51	6.75	70.63	0.00	4.67	0.31	0.00	45.53	0.00	33.20
22, July (Thu)	wet base	85.00	500.00	0.00	35.00	10.00	0.00	0.00	0.00	75.00	0.00	0.00	705.00
	dry base	30.49	394.15	0.00	32.64	2.94	0.00	0.00	0.00	69.00	0.00	0.00	470.94
	moisture	54.51	105.85	0.00	2.36	7.06	0.00	0.00	0.00	6.00	0.00	0.00	234.06
	content	64.13	21.17	0.00	6.75	70.63	0.00	0.00	0.00	8.00	0.00	0.00	33.20
23, July (Fri)	wet base	175.63	655.02	0.00	116.31	54.62	0.00	17.26	59.68	0.00	117.46	0.00	1,195.98
	dry base	39.03	511.52	0.00	107.95	16.04	0.00	16.80	59.68	0.00	50.31	0.00	801.33
	moisture	136.60	143.50	0.00	8.36	38.58	0.00	0.46	0.00	0.00	67.15	0.00	394.65
	content	77.78	21.91	0.00	7.19	70.63	0.00	2.67	0.00	0.00	57.17	0.00	33.00
24, July (Sat)	wet base	-	-	-	-	-	-	-	-	-	-	-	-
	dry base	-	-	-	-	-	-	-	-	-	-	-	-
	moisture	-	-	-	-	-	-	-	-	-	-	-	-
	content	-	-	-	-	-	-	-	-	-	-	-	-
25, July (Sun)	wet base	0.00	535.00	30.00	105.00	0.00	0.00	0.00	435.00	5.00	230.00	0.00	1,340.00
	dry base	0.00	421.74	24.45	97.91	0.00	0.00	0.00	433.65	4.60	125.28	0.00	895.12
	moisture	0.00	113.26	5.55	7.09	0.00	0.00	0.00	1.35	0.40	104.72	0.00	444.88
	content	0.00	21.17	18.51	6.75	0.00	0.00	0.00	0.31	8.00	45.53	0.00	33.20
26, July (Mon)	wet base	787.93	663.85	56.95	192.31	0.00	0.00	21.29	95.90	128.91	370.99	0.00	2,318.13
	dry base	330.30	565.25	46.41	178.14	0.00	0.00	19.87	95.33	118.60	309.32	0.00	1,663.22
	moisture	457.63	98.60	10.54	14.17	0.00	0.00	1.42	0.57	10.31	61.67	0.00	654.91
	content	58.08	14.85	18.51	7.37	0.00	0.00	6.67	0.59	8.00	16.62	0.00	28.25
Average	moisture	64.13	21.17	18.51	6.75	70.63	0.00	4.67	0.31	8.00	45.53	0.00	33.20
	content	64.13	21.17	18.51	6.75	70.63	0.00	4.67	0.31	8.00	45.53	0.00	33.20

Table Results of Moisture content in Winter [Discharge Source: Market]

Date	Item	Moisture Content											TOTAL
		Garbage	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other		
20, July (Tue)	wet base	7,991.00	963.78	3.20	62.50	194.90	0.00	13.86	471.27	0.00	1,087.99	10,788.50	
	dry base	2,821.53	518.04	2.23	40.89	140.27	0.00	12.15	467.63	0.00	664.27	4,667.01	
	moisture	5,169.47	445.74	0.97	21.61	54.63	0.00	1.71	3.64	0.00	423.72	6,121.49	
	content	64.69	46.25	30.31	34.58	28.03	0.00	12.34	0.77	0.00	38.95	56.74	
21, July (Wed)	wet base	5,850.00	600.00	2.00	120.00	345.00	0.00	15.00	0.00	60.00	1,118.00	8,110.00	
	dry base	2,034.63	324.48	1.33	96.52	218.87	0.00	14.10	0.00	53.62	640.05	3,673.02	
	moisture	3,815.37	275.52	0.67	23.48	126.13	0.00	0.90	0.00	6.38	477.95	4,436.98	
	content	65.22	45.92	33.48	19.57	36.56	0.00	5.99	0.00	10.63	42.75	54.71	
22, July (Thu)	wet base	4,155.00	770.00	0.00	315.00	150.00	0.00	60.00	1,300.00	150.00	1,440.00	8,340.00	
	dry base	1,445.11	416.42	0.00	253.35	95.16	0.00	56.41	1,295.32	134.05	824.40	3,777.19	
	moisture	2,709.89	353.58	0.00	61.65	54.84	0.00	3.59	4.68	15.95	615.60	4,562.81	
	content	65.22	45.92	0.00	19.57	36.56	0.00	5.99	0.36	10.63	42.75	54.71	
23, July (Fri)	wet base	2,988.47	350.27	20.82	170.56	182.76	0.00	4.29	751.98	57.57	301.01	4,837.73	
	dry base	968.27	201.18	13.19	141.48	98.16	0.00	4.18	751.53	51.45	178.07	2,407.51	
	moisture	2,030.20	149.09	7.63	29.08	84.60	0.00	0.11	0.45	6.12	122.94	2,430.22	
	content	67.71	42.56	36.65	17.05	46.29	0.00	2.56	0.06	10.63	40.84	50.23	
24, July (Sat)	wet base	6,245.00	625.00	5.00	115.00	165.00	100.00	45.00	215.00	115.00	370.00	8,000.00	
	dry base	2,172.01	338.00	3.33	92.49	104.68	100.00	42.30	214.23	102.78	211.82	3,623.20	
	moisture	4,072.99	287.00	1.67	22.51	60.32	0.00	2.70	0.77	12.22	158.18	4,376.80	
	content	65.22	45.92	33.48	19.57	36.56	0.00	5.99	0.36	10.63	42.75	54.71	
25, July (Sun)	wet base	-	-	-	-	-	-	-	-	-	-	-	
	dry base	-	-	-	-	-	-	-	-	-	-	-	
	moisture	-	-	-	-	-	-	-	-	-	-	-	
	content	-	-	-	-	-	-	-	-	-	-	-	
26, July (Mon)	wet base	7,570.56	627.00	0.00	414.03	175.03	0.00	18.25	209.16	0.00	415.84	9,429.87	
	dry base	2,781.02	320.07	0.00	384.65	113.14	0.00	17.69	208.67	0.00	214.28	4,039.52	
	moisture	4,789.54	306.93	0.00	29.38	61.89	0.00	0.56	0.49	0.00	201.56	5,390.35	
	content	63.27	48.95	0.00	7.10	35.36	0.00	3.07	0.23	0.00	48.47	57.16	
Average	moisture	65.22	45.92	33.48	19.57	36.56	0.00	5.99	0.36	10.63	42.75	54.71	
	content												

Table Results of Moisture content in Winter [Discharge Source: Institution]

Date	Item	Moisture Content											TOTAL
		Garbage	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other		
20, July (Tue)	wet base g	82.90	1,321.53	12.20	221.15	441.52	0.00	2.37	0.00	0.00	264.04	2,345.71	
	dry base g	22.31	909.39	9.12	184.84	308.30	0.00	2.35	0.00	105.29	1,542.60		
	moisture g	60.59	412.14	3.08	36.31	133.22	0.00	0.02	0.00	157.75	803.11		
	content %	73.09	31.19	25.25	16.42	30.17	0.00	0.84	0.00	59.74	34.24		
21, July (Wed)	wet base g	415.00	1,345.00	0.00	145.00	375.00	0.00	20.00	0.00	560.00	2,865.00		
	dry base g	126.99	894.56	0.00	111.10	192.67	0.00	19.35	0.00	202.50	1,657.12		
	moisture g	288.01	450.44	0.00	33.90	182.33	0.00	0.65	0.00	357.50	1,207.88		
	content %	69.40	33.49	0.00	23.38	48.62	0.00	3.26	0.00	63.84	42.16		
22, July (Thu)	wet base g	185.00	915.00	0.00	115.00	105.00	0.00	50.00	0.00	1,680.00	3,160.00		
	dry base g	56.61	608.57	0.00	88.11	53.95	0.00	48.37	0.00	607.49	1,827.74		
	moisture g	128.39	306.43	0.00	26.89	51.05	0.00	1.63	0.00	1,072.51	1,332.26		
	content %	69.40	33.49	0.00	23.38	48.62	0.00	3.26	0.00	63.84	42.16		
23, July (Fri)	wet base g	240.94	826.98	0.00	158.30	175.13	0.00	205.01	0.00	366.44	1,972.80		
	dry base g	82.89	554.98	0.00	107.19	61.19	0.00	193.37	0.00	130.11	1,129.73		
	moisture g	158.05	272.00	0.00	51.11	113.94	0.00	11.64	0.00	236.33	843.07		
	content %	65.60	32.89	0.00	32.29	65.06	0.00	5.68	0.00	64.49	42.73		
24, July (Sat)	wet base g	-	-	-	-	-	-	-	-	-	-		
	dry base g	-	-	-	-	-	-	-	-	-	-		
	moisture g	-	-	-	-	-	-	-	-	-	-		
	content %	-	-	-	-	-	-	-	-	-	-		
25, July (Sun)	wet base g	-	-	-	-	-	-	-	-	-	-		
	dry base g	-	-	-	-	-	-	-	-	-	-		
	moisture g	-	-	-	-	-	-	-	-	-	-		
	content %	-	-	-	-	-	-	-	-	-	-		
26, July (Mon)	wet base g	259.79	1,393.12	20.59	109.26	583.03	0.00	42.99	0.00	1,308.04	3,828.31		
	dry base g	79.16	886.12	15.43	85.83	287.85	0.00	41.59	0.00	427.90	1,933.23		
	moisture g	180.63	507.00	5.16	23.43	295.18	0.00	1.40	0.00	880.14	1,895.08		
	content %	69.53	36.39	25.06	21.44	50.63	0.00	3.26	0.00	1.92	67.29		
Average	moisture %	69.40	33.49	25.15	23.38	48.62	0.00	3.26	0.00	63.84	42.16		
	content												

Table Results of Ultimate Analysis, Lower Calorific Value and Three Content in Winter

Category	Date	Ultimate Analysis							Lower Calorific Value (Kcal/Kg)	Three Contents		
		Carbon (C) (%)	Hydrogen (H) (%)	Nitrogen (N) (%)	Sulfur (S) (%)	Chlorine (Cl) (%)	Oxygen (O) (%)	Ash (%)		Moisture (%)	Com-bustible (%)	
Household Waste (High-Income)	20, July (Tue)	18.28	4.03	0.79	0.02	0.01	6.31	1,220	35.31	35.25	29.44	
	21, July (Wed)	18.59	3.32	0.74	0.02	0.01	5.17	1,208	37.07	35.07	27.86	
	22, July (Thu)	18.41	3.28	0.74	0.02	0.01	5.40	1,196	36.70	35.43	27.86	
	23, July (Fri)	18.86	3.47	0.55	0.02	0.01	5.40	1,264	35.50	36.19	28.31	
	24, July (Sat)	18.05	3.22	0.72	0.02	0.01	5.86	1,172	35.98	36.15	27.88	
	25, July (Sun)	17.87	3.19	0.72	0.02	0.01	6.09	1,160	35.61	36.51	27.88	
	26, July (Mon)	17.56	2.24	0.84	0.02	0.01	5.17	1,067	38.22	35.94	25.84	
Average		18.23	3.25	0.73	0.02	0.01	5.63	1,184	36.34	35.79	27.87	
Household Waste (Middle-Income)	20, July (Tue)	20.19	3.82	0.59	0.02	0.01	5.08	1,230	39.04	31.25	29.71	
	21, July (Wed)	17.37	3.19	0.50	0.02	0.01	6.72	1,153	28.40	43.79	27.82	
	22, July (Thu)	17.20	3.16	0.49	0.02	0.01	6.76	1,141	28.12	44.23	27.65	
	23, July (Fri)	17.40	3.16	0.52	0.02	0.01	12.85	1,398	19.84	46.20	33.96	
	24, July (Sat)	16.86	3.10	0.49	0.02	0.01	6.84	1,119	27.56	45.13	27.31	
	25, July (Sun)	16.69	3.07	0.48	0.02	0.01	6.88	1,107	27.28	45.57	27.14	
	26, July (Mon)	13.51	2.41	0.35	0.02	0.01	2.46	763	24.64	56.60	18.76	
Average		17.03	3.13	0.49	0.02	0.01	6.80	1,130	27.84	44.68	27.48	
Household Waste (Low-Income)	20, July (Tue)	24.00	2.86	0.53	0.02	0.01	5.40	954	45.03	22.15	32.82	
	21, July (Wed)	21.18	3.13	0.63	0.02	0.01	4.89	1,076	45.82	24.32	29.86	
	22, July (Thu)	20.97	3.10	0.63	0.02	0.01	5.33	1,066	45.37	24.57	30.06	
	23, July (Fri)	19.79	2.93	0.61	0.02	0.01	0.00	854	47.10	26.27	26.63	
	24, July (Sat)	20.55	3.04	0.61	0.02	0.01	6.23	1,044	44.47	25.07	30.46	
	25, July (Sun)	20.34	3.01	0.61	0.02	0.01	6.67	1,034	44.02	25.32	30.66	
	26, July (Mon)	18.49	3.42	0.72	0.02	0.01	0.00	1,357	42.62	26.03	31.35	
Average		20.76	3.07	0.62	0.02	0.01	5.78	1,055	44.92	24.82	30.26	

Table Results of Ultimate Analysis, Lower Calorific Value and Three Content in Winter

Category	Date	Ultimate Analysis							Lower Calorific Value			Three Contents		
		Carbon (C) (%)	Hydrogen (H) (%)	Nitrogen (N) (%)	Sulfur (S) (%)	Chlorine (Cl) (%)	Oxygen (O) (%)	Calorific Value (Kcal/Kg)	Ash (%)	Moisture (%)	Com-bustible (%)			
Commercial Waste (Restaurant)	20, July (Tue)	12.19	1.61	0.96	0.02	0.01	14.07	1,009	9.48	61.66	28.86			
	21, July (Wed)	11.16	2.09	0.93	0.02	0.01	12.54	1,057	15.69	57.57	26.75			
	22, July (Thu)	11.05	2.07	0.92	0.02	0.01	12.24	1,046	15.53	58.15	26.31			
	23, July (Fri)	7.86	2.00	0.58	0.02	0.01	10.08	820	24.01	55.34	20.65			
	24, July (Sat)	10.83	2.03	0.90	0.02	0.01	11.66	1,026	15.23	59.33	25.45			
	25, July (Sun)	10.72	2.01	0.89	0.02	0.01	11.36	1,015	15.07	59.91	25.01			
	26, July (Mon)	12.76	2.54	1.10	0.02	0.01	11.72	1,280	12.64	59.21	28.15			
Average	10.94	2.05	0.91	0.02	0.01	11.95	1,036	15.38	58.74	25.88				
Commercial Waste (Others)	20, July (Tue)	22.49	2.89	0.23	0.02	0.01	22.44	1,844	13.57	38.35	48.08			
	21, July (Wed)	25.80	4.46	0.58	0.02	0.01	16.53	2,323	20.07	32.54	47.39			
	22, July (Thu)	25.54	4.41	0.58	0.02	0.01	16.69	2,300	19.88	32.87	47.26			
	23, July (Fri)	28.42	4.35	0.94	0.02	0.01	15.06	3,101	18.20	33.00	48.80			
	24, July (Sat)	25.04	4.33	0.56	0.02	0.01	17.03	2,254	19.48	33.53	46.98			
	25, July (Sun)	24.78	4.28	0.56	0.02	0.01	17.19	2,231	19.29	33.86	46.85			
	26, July (Mon)	24.96	5.87	0.55	0.02	0.01	13.08	1,887	27.26	28.25	44.49			
Average	25.29	4.37	0.57	0.02	0.01	16.86	2,277	19.68	33.20	47.12				
Market Waste	20, July (Tue)	25.48	2.72	0.54	0.02	0.01	1.00	364	13.49	56.74	29.77			
	21, July (Wed)	17.72	2.42	0.50	0.02	0.01	4.96	428	20.76	53.62	25.63			
	22, July (Thu)	17.54	2.39	0.49	0.02	0.01	4.82	424	20.55	54.16	25.28			
	23, July (Fri)	11.25	1.72	0.57	0.02	0.01	6.07	97	30.13	50.23	19.64			
	24, July (Sat)	17.20	2.35	0.49	0.02	0.01	4.54	416	20.15	53.26	24.60			
	25, July (Sun)	17.02	2.32	0.48	0.02	0.01	4.40	412	19.94	55.80	24.25			
	26, July (Mon)	15.39	2.68	0.36	0.02	0.01	6.94	799	17.44	57.16	25.40			
Average	17.37	2.37	0.49	0.02	0.01	4.68	420	20.35	54.71	24.94				
Institutional Waste	20, July (Tue)	27.50	2.79	0.58	0.02	0.01	22.56	2,466	12.30	34.24	53.46			
	21, July (Wed)	23.15	3.66	0.47	0.02	0.01	12.56	2,095	18.81	41.32	39.87			
	22, July (Thu)	22.93	3.63	0.46	0.02	0.01	12.59	2,076	18.62	41.74	39.64			
	23, July (Fri)	17.53	4.23	0.69	0.02	0.01	13.02	2,569	21.77	42.73	35.50			
	24, July (Sat)	22.47	3.55	0.46	0.02	0.01	12.55	2,034	18.26	42.58	39.16			
	25, July (Sun)	22.25	3.52	0.45	0.02	0.01	12.68	2,014	18.07	43.00	38.93			
	26, July (Mon)	23.07	3.74	0.11	0.02	0.01	2.29	1,131	21.26	49.50	29.24			
Average	22.70	3.59	0.46	0.02	0.01	12.62	2,055	18.44	42.16	39.40				

Table Results of Ultimate Analysis, Lower Calorific Value and Combustible Content in Winter

Category	Date	Ultimate Analysis						Lower Calorific Value (Kcal/Kg)
		Carbon (C) (%)	Hydrogen (H) (%)	Nitrogen (N) (%)	Sulfur (S) (%)	Chlorine (Cl) (%)	Oxygen (O) (%)	
Garbage	20, July (Tue)	20.07	1.99	0.62	0.02	0.01	15.38	2,447
	21, July (Wed)	13.94	1.91	0.63	0.02	0.01	11.52	1,459
	22, July (Thu)	14.08	1.93	0.63	0.02	0.01	11.63	1,474
	23, July (Fri)	10.98	1.68	0.63	0.02	0.01	12.03	927
	24, July (Sat)	13.52	1.86	0.61	0.02	0.01	11.18	1,416
	25, July (Sun)	13.66	1.87	0.61	0.02	0.01	11.29	1,431
	26, July (Mon)	10.35	2.01	0.61	0.02	0.01	6.81	961
Average		13.80	1.89	0.62	0.02	0.01	11.41	1,445
Paper	20, July (Tue)	37.65	5.57	0.31	0.02	0.01	30.33	3,090
	21, July (Wed)	32.21	5.31	0.42	0.02	0.01	33.40	2,846
	22, July (Thu)	32.53	5.36	0.43	0.02	0.01	33.73	2,874
	23, July (Fri)	34.88	6.15	0.37	0.02	0.01	40.70	3,461
	24, July (Sat)	31.25	5.15	0.41	0.02	0.01	32.41	2,761
	25, July (Sun)	31.57	5.20	0.42	0.02	0.01	32.74	2,789
	26, July (Mon)	23.14	4.05	0.58	0.02	0.01	28.17	1,902
Average		31.89	5.26	0.42	0.02	0.01	33.07	2,818
Textile	20, July (Tue)	38.25	3.37	0.82	0.02	0.01	35.33	2,720
	21, July (Wed)	37.48	4.06	1.07	0.02	0.01	28.90	2,515
	22, July (Thu)	37.86	4.10	1.08	0.02	0.01	29.19	2,540
	23, July (Fri)	29.36	4.73	1.64	0.02	0.01	24.85	1,713
	24, July (Sat)	36.37	3.94	1.04	0.02	0.01	28.04	2,441
	25, July (Sun)	36.74	3.98	1.05	0.02	0.01	28.33	2,466
	26, July (Mon)	43.73	3.96	0.73	0.02	0.01	25.66	3,039
Average		37.11	4.02	1.06	0.02	0.01	28.61	2,491

Category	Date	Ultimate Analysis						Lower Calorific Value (Kcal/kg)
		Carbon (C) (%)	Hydrogen (H) (%)	Nitrogen (N) (%)	Sulfur (S) (%)	Chlorine (Cl) (%)	Oxygen (O) (%)	
Plastic	20, July (Tue)	36.21	3.31	0.47	0.02	0.01	53.36	10,259
	21, July (Wed)	33.69	4.46	0.42	0.02	0.01	42.80	7,876
	22, July (Thu)	34.02	4.50	0.43	0.02	0.01	43.22	7,954
	23, July (Fri)	35.37	5.84	0.48	0.02	0.01	34.53	6,301
	24, July (Sat)	32.69	4.33	0.41	0.02	0.01	41.53	7,642
	25, July (Sun)	33.02	4.37	0.41	0.02	0.01	41.95	7,720
	26, July (Mon)	28.49	4.09	0.30	0.02	0.01	39.23	6,835
Average		33.36	4.41	0.42	0.02	0.01	42.37	7,798
Grass/ Wood	20, July (Tue)	27.26	2.31	0.89	0.02	0.01	22.04	1,830
	21, July (Wed)	22.60	3.11	0.69	0.02	0.01	19.80	1,595
	22, July (Thu)	22.82	3.15	0.70	0.02	0.01	20.00	1,611
	23, July (Fri)	21.29	3.78	0.77	0.02	0.01	18.47	1,596
	24, July (Sat)	21.93	3.02	0.67	0.02	0.01	19.21	1,548
	25, July (Sun)	22.15	3.05	0.68	0.02	0.01	19.41	1,564
	26, July (Mon)	18.58	3.16	0.40	0.02	0.01	18.30	1,312
Average		22.38	3.08	0.69	0.02	0.01	19.60	1,579
Leather/ Rubber	20, July (Tue)	45.52	3.85	0.83	0.02	0.01	33.92	4,355
	21, July (Wed)	40.35	4.65	0.85	0.02	0.01	32.41	4,785
	22, July (Thu)	40.75	4.70	0.86	0.02	0.01	32.73	4,832
	23, July (Fri)	34.38	5.36	0.86	0.02	0.01	30.26	5,120
	24, July (Sat)	39.15	4.51	0.83	0.02	0.01	31.45	4,643
	25, July (Sun)	39.55	4.56	0.84	0.02	0.01	31.77	4,690
	26, July (Mon)	-	-	-	-	-	-	-
Average		39.95	4.61	0.85	0.02	0.01	32.09	4,738

Note: Percentage of Ash content contains percentage of incombustible.

A2. in February 1994

Table Results of Waste Amount Survey in Summer [Discharge Source: Residential Area (High Income)] (unit: g)

Survey Point	Number of Unit	Date							Total Amount	Average/Day	Average/Day/Person		
		1, Feb. Tue	2, Feb. Wed	3, Feb. Thu	4, Feb. Fri	5, Feb. Sat	6, Feb. Sun	7, Feb. Mon					
Asuncion	RH-A01	8	3,500	1,250	3,350	4,000	6,000	0	9,500	27,600	3,943	493	
	RH-A02	7	19,200	12,200	8,250	11,100	7,800	10,000	16,200	84,750	12,107	1,730	
	RH-A03	3	5,300	7,050	5,400	22,400	12,200	8,600	8,200	69,150	9,879	(3,293)	
	RH-A04	4	25,300	0	0	0	0	0	0	25,300	3,614	(904)	
	RH-A05	5	4,100	11,150	300	3,300	2,000	3,200	13,000	37,050	5,293	1,059	
	RH-A11	3	400	5,200	3,200	9,100	4,900	1,500	1,400	25,700	3,671	1,224	
	RH-A12	3	2,000	2,200	3,000	4,000	1,200	1,800	4,250	18,450	2,636	879	
	RH-A13	7	3,300	3,000	1,200	26,000	7,000	7,200	13,600	61,300	8,757	1,251	
	RH-A14	15	4,900	6,000	15,500	10,000	6,100	1,200	14,000	57,700	8,243	550	
	RH-A15	6	5,100	7,100	8,250	3,100	4,250	0	26,600	54,400	7,771	1,295	
	Average	-	-	-	-	-	-	-	-	-	-	-	991
	San Lorenzo	RH-S01	7	6,000	5,500	10,000	13,000	6,000	7,000	17,500	65,000	9,286	1,327
		RH-S02	10	31,500	15,000	6,000	6,000	27,000	4,000	35,000	124,500	17,786	1,779
		RH-S03	8	9,000	4,000	4,000	4,500	8,000	1,000	7,000	37,500	5,357	670
		RH-S04	5	9,000	3,000	5,000	7,000	1,000	9,000	3,000	37,000	5,286	1,057
RH-S05		8	3,000	5,000	3,000	13,000	3,500	1,000	3,000	31,500	4,500	563	
RH-S06		4	11,500	2,000	1,500	7,000	9,500	6,000	1,000	38,500	5,500	1,375	
RH-S07		6	14,000	3,000	5,000	7,000	11,000	4,000	4,000	48,000	6,857	1,143	
RH-S08		4	4,000	10,500	10,000	4,000	4,000	3,000	4,000	39,500	5,643	1,411	
RH-S09		5	7,000	9,500	6,000	5,000	6,000	1,000	1,500	36,000	5,143	1,029	
RH-S10		10	14,500	4,500	7,000	9,000	6,500	3,000	6,000	50,500	7,214	721	
Average	-	-	-	-	-	-	-	-	-	-	-	1,108	

* RH-A03 and RH-A04 were excepted from calculation due to large amount in comparison with other sample and irregular sample.

Table Results of Waste Amount Survey in Summer [Discharge Source: Residential Area (High Income)] (unit: g)

Survey Point	Number of Unit	Date							Total Amount	Average/Day	Average/Day/Person
		1, Feb. Tue	2, Feb. Wed	3, Feb. Thu	4, Feb. Fri	5, Feb. Sat	6, Feb. Sun	7, Feb. Mon			
RH-N01	6	1,500	1,500	800	1,000	0	3,000	1,000	8,800	1,257	210
RH-N02	8	10,000	10,000	12,500	13,000	9,000	7,000	3,000	64,500	9,214	1,152
RH-N03	3	6,000	1,500	8,000	3,000	4,500	7,000	6,000	36,000	5,143	1,714
RH-N04	8	1,000	2,000	1,000	500	0	2,000	1,000	7,500	1,071	134
RH-N05	5	7,500	4,000	4,000	6,000	9,000	6,000	11,000	47,500	6,786	1,357
RH-N06	3	12,000	6,000	13,000	0	17,000	13,000	10,000	71,000	10,143	(3,381)
RH-N07	5	3,500	1,500	2,000	2,000	0	2,000	3,000	14,000	2,000	400
RH-N08	9	3,500	4,000	2,000	500	5,000	4,000	4,000	23,000	3,286	365
RH-N09	2	2,000	3,000	2,000	0	6,000	13,000	11,000	37,000	5,286	2,643
RH-N10	4	9,000	8,000	11,000	15,000	8,000	4,000	14,000	69,000	9,857	2,464
Average	-	-	-	-	-	-	-	-	-	-	1,160

Namby

* RH-N06 was excepted from calculation due to large amount in comparison with other samples .

Table Results of Waste Amount Survey in Summer [Discharge Source: Residential Area (Middle Income)] (unit: g)

Survey Point	Number of Unit	Date										Total Amount	Average/Day	Average/Day/Person
		1, Feb. Tue	2, Feb. Wed	3, Feb. Thu	4, Feb. Fri	5, Feb. Sat	6, Feb. Sun	7, Feb. Mon						
Asuncion	RM-A01	2	4,100	2,050	3,300	1,500	4,000	1,400	500	16,950	2,421	1,211		
	RM-A02	6	4,300	5,350	1,700	3,350	2,300	4,400	4,600	26,000	3,714	619		
	RM-A03	5	5,300	5,200	4,100	9,000	6,800	9,800	8,200	48,400	6,914	1,383		
	RM-A04	7	2,300	8,000	4,000	2,000	0	7,000	7,500	30,800	4,400	629		
	RM-A05	8	5,100	5,200	9,150	7,100	0	14,600	9,800	50,950	7,279	910		
	RM-A11	10	0	44,600	21,000	1,200	12,000	18,600	52,400	149,800	21,400	2,140		
	RM-A12	5	10,400	11,800	7,000	12,000	6,700	11,200	8,400	67,500	9,643	1,929		
	RM-A13	5	3,950	7,100	5,050	3,500	6,900	3,400	2,400	32,300	4,614	923		
	RM-A14	3	1,300	1,000	1,300	800	2,600	1,800	800	9,600	1,371	457		
	RM-A15	2	1,300	1,900	1,100	1,000	800	8,000	1,600	15,700	2,243	1,121		
Average	-	-	-	-	-	-	-	-	-	-	-	1,132		
San Lorenzo	RM-S01	5	3,500	4,500	5,000	3,000	5,000	6,000	3,000	30,000	4,286	857		
	RM-S02	8	7,000	0	5,500	4,000	7,000	9,000	10,000	42,500	6,071	759		
	RM-S03	6	4,000	0	4,000	8,000	5,000	7,500	6,000	34,500	4,929	821		
	RM-S04	3	10,000	3,000	500	1,000	0	5,000	7,000	26,500	3,786	1,262		
	RM-S05	7	3,500	3,000	4,000	12,500	13,000	6,500	10,000	52,500	7,500	1,071		
	RM-S06	9	1,500	4,000	5,000	1,500	2,500	1,500	4,000	20,000	2,857	317		
	RM-S07	3	2,500	4,000	1,500	2,000	0	2,000	1,500	13,500	1,929	643		
	RM-S08	3	4,500	1,000	500	1,500	1,000	3,500	3,000	15,000	2,143	714		
	RM-S09	5	4,500	4,000	6,000	5,000	0	9,000	1,000	29,500	4,214	843		
	RM-S10	5	20,500	9,000	13,500	14,000	13,000	13,000	14,500	97,500	13,929	2,786		
Average	-	-	-	-	-	-	-	-	-	-	-	1,007		

Table Results of Waste Amount Survey in Summer [Discharge Source: Residential Area (Low Income)] (unit: g)

Survey Point	Number of Unit	Date										Total Amount	Average/Day	Average/Day/Person
		1. Feb. Tue	2. Feb. Wed	3. Feb. Thu	4. Feb. Fri	5. Feb. Sat	6. Feb. Sun	7. Feb. Mon						
RL-A01	10	2,100	4,400	5,300	14,000	2,700	5,200	4,600	38,300	5,471	547			
RL-A02	10	6,100	3,200	5,200	3,000	700	5,800	4,400	28,400	4,057	406			
RL-A03	15	7,000	8,000	8,000	24,000	0	11,000	13,000	71,000	10,143	676			
RL-A04	9	9,000	10,100	9,200	0	14,800	6,400	13,000	62,500	8,929	992			
RL-A05	6	1,400	850	2,000	900	1,100	5,000	1,200	12,450	1,779	296			
RL-A11	5	4,200	5,400	3,000	9,100	1,650	9,400	5,800	38,550	5,507	1,101			
RL-A12	8	1,000	50	4,100	0	2,650	1,200	0	9,000	1,286	161			
RL-A13	5	4,200	200	0	500	1,900	600	1,200	8,600	1,229	246			
RL-A14	8	4,300	8,250	4,200	5,000	3,850	0	1,800	27,400	3,914	489			
RL-A15	11	8,900	0	7,600	5,200	2,400	1,400	5,400	30,900	4,414	401			
Average	-	-	-	-	-	-	-	-	-	-	532			
RL-S01	6	1,000	1,000	500	500	2,000	3,000	1,000	9,000	1,286	214			
RL-S02	5	500	0	2,000	0	0	3,000	500	6,000	857	171			
RL-S03	7	3,000	5,000	6,000	2,000	3,000	4,500	5,500	29,000	4,143	592			
RL-S04	7	3,000	5,500	2,500	4,000	0	4,000	2,500	21,500	3,071	439			
RL-S05	6	7,000	7,000	8,000	11,000	4,000	5,000	10,000	52,000	7,429	1,238			
RL-S06	3	2,000	1,500	3,000	2,500	1,500	3,000	0	13,500	1,929	643			
RL-S07	8	1,500	8,500	3,500	2,000	0	0	4,000	19,500	2,786	348			
RL-S08	4	3,000	0	2,000	1,000	4,500	1,500	3,000	15,000	2,143	536			
RL-S09	2	12,000	6,000	3,000	0	5,500	4,000	6,000	36,500	5,214	2,607			
RL-S10	6	6,500	4,500	5,000	8,000	5,500	4,000	3,000	36,500	5,214	869			
Average	-	-	-	-	-	-	-	-	-	-	766			

Table Results of Waste Amount Survey in Summer [Discharge Source: Residential Area (Low Income)] (unit: g)

Survey Point	Number of Unit	Date							Total Amount	Average/Day	Average/Day/Person
		1, Feb. Tue	2, Feb. Wed	3, Feb. Thu	4, Feb. Fri	5, Feb. Sat	6, Feb. Sun	7, Feb. Mon			
RL-N01	6	2,000	18,000	1,000	0	2,000	5,000	6,000	34,000	4,857	810
RL-N02	7	1,000	0	500	1,000	500	500	1,000	4,500	643	92
RL-N03	13	5,000	10,000	22,000	0	24,000	0	20,000	81,000	11,571	890
RL-N04	7	8,000	6,000	7,500	3,000	3,000	13,000	12,000	52,500	7,500	1,071
RL-N05	6	3,000	11,000	5,000	8,000	9,000	6,000	9,000	51,000	7,286	1,214
RL-N06	13	7,500	0	11,000	11,000	10,000	10,500	13,500	63,500	9,071	698
RL-N07	5	1,000	2,500	3,000	2,000	3,000	10,500	1,000	23,000	3,286	657
RL-N08	6	11,000	11,000	19,000	12,000	14,000	9,000	7,500	83,500	11,929	1,988
RL-N09	13	20,000	19,000	16,500	17,000	10,000	11,000	13,000	106,500	15,214	1,170
RL-N10	5	5,000	12,000	9,000	2,500	4,000	7,000	6,000	45,500	6,500	1,300
Average	-	-	-	-	-	-	-	-	-	-	989

Neerby

Table Results Wastes Amount Survey in Summer [Discharge Source: Commercial Area] (unit: g)

Survey Point	Number of Unit	Date							Total Amount	Average/Day	Average/Day/Unit	
		1, Feb. Tue	2, Feb. Wed	3, Feb. Thu	4, Feb. Fri	5, Feb. Sat	6, Feb. Sun	7, Feb. Mon				
Commercial (Restaurant)	CR-01	39,000	27,300	21,750	3,100	37,200	44,400	62,600	235,350	33,621	-	
	CR-02	13,000	9,900	1,900	9,200	7,000	15,400	8,200	64,600	9,229	-	
	CR-03	7,200	2,150	5,300	0	3,000	0	0	17,650	2,521	-	
	CR-04	6,900	13,000	12,000	1,980	18,800	15,400	13,800	99,700	14,243	-	
	CR-05	6,000	7,000	7,300	5,000	7,000	6,000	4,400	42,700	6,100	-	
	CR-16	6,200	6,000	7,000	6,100	7,000	7,000	5,000	44,300	6,329	-	
	CR-17	181,300	162,400	108,000	67,700	76,800	106,600	53,000	755,800	107,971	-	
	CR-18	44,300	115,000	23,000	159,600	288,400	57,800	93,200	781,300	111,614	-	
	CR-19	3,500	3,300	7,100	5,200	5,200	3,200	2,200	29,700	4,243	-	
	CR-20	70,000	90,900	0	104,400	115,400	97,600	96,400	574,700	82,100	-	
	Average	-	-	-	-	-	-	-	-	-	37,797	-
	Commercial (Others)	CO-01	4,200	4,100	1,400	1,000	-	600	1,600	12,900	2,150	-
		CO-02	6,200	74,500	3,000	7,100	-	5,000	5,800	101,600	16,933	-
		CO-03	0	14,800	0	13,200	-	0	2,600	30,600	5,100	-
		CO-04	2,950	2,000	3,800	1,400	-	3,000	2,200	15,350	2,558	-
		CO-05	1,500	3,000	1,300	2,400	-	2,400	2,300	12,900	2,150	-
		CO-16	3,000	1,000	1,400	650	-	2,000	1,800	9,850	1,642	-
		CO-17	3,200	2,100	1,300	4,100	-	0	4,600	15,300	2,550	-
		CO-18	1,200	2,250	3,100	1,700	-	1,800	2,600	12,650	2,108	-
		CO-19	1,000	1,200	2,300	1,600	-	700	800	7,600	1,267	-
CO-20		1,300	2,200	1,500	1,400	-	1,400	3,000	10,800	1,800	-	
Average	-	-	-	-	-	-	-	-	-	3,826	-	

Table Results Wastes Amount Survey in Summer [Discharge Source: Markets, Institutions, Roads] (unit: g)

Survey Point	Number of Unit	Date														Total Amount	Average/Day	Average/Day/Unit		
		1, Feb.	2, Feb.	3, Feb.	4, Feb.	5, Feb.	6, Feb.	7, Feb.	7, Feb.		7, Feb.		7, Feb.							
		Tue	Wed	Thu	Fri	Sat	Sun	Mon												
MR-1	98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MR-2	171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total	269	2,040,000	2,040,000	1,440,000	440,000	1,700,000	1,440,000	1,440,000	1,440,000	1,700,000	1,440,000	1,560,000	1,560,000	1,560,000	1,436,667	8,620,000	1,436,667	5,341	5,341	
Average	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OF-1	781	32,000	174,000	31,000	0	0	0	0	0	0	0	46,500	46,500	46,500	56,700	283,500	56,700	73	73	
OF-2	750	35,500	30,500	24,000	20,500	0	0	0	0	0	0	42,000	42,000	42,000	30,500	152,500	30,500	41	41	
OF-3	80	0	3,000	7,500	0	0	0	0	0	0	0	7,000	7,000	7,000	3,500	17,500	3,500	58	58	
OF-4	80	0	14,000	13,000	0	0	0	0	0	0	0	22,000	22,000	22,000	9,800	49,000	9,800	123	123	
OF-5	490	30,500	42,000	27,000	44,500	0	0	0	0	0	0	40,000	40,000	40,000	36,800	184,000	36,800	75	75	
Average	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	74
RS-1	1.12	-	-	56,000	22,000	44,000	44,000	44,000	44,000	44,000	44,000	48,000	48,000	48,000	42,500	170,000	42,500	37,946	37,946	
RS-2	1.74	-	105,000	76,000	23,000	88,000	88,000	88,000	88,000	88,000	88,000	73,000	73,000	73,000	73,000	365,000	73,000	41,954	41,954	
Average	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39,950	39,950

Table Results of Waste Composition Survey in Sumer - Wet Base [Discharge Source: Residential Area (Middle Income)]

Date	Item	Physical Composition											Apparent Specific Gravity Kg/l
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	TOTAL	
1. Feb.	g	3,485	120	10	345	2,040	5	55	170	380	1,100	7,710	0.32
	%	45.2	1.6	0.1	4.5	26.5	0.1	0.7	2.2	4.9	14.3	100	
2. Feb.	g	1,890	30	15	70	685	20	160	0	160	570	3,600	0.28
	%	52.5	0.8	0.4	1.9	19	0.6	4.4	0	4.4	15.8	100	
3. Feb.	g	2,110	365	50	360	1,605	105	60	5	165	150	4,975	0.22
	%	42.4	7.3	1	7.2	32.3	2.1	1.2	0.1	3.3	3.0	100	
4. Feb.	g	1,925	245	60	455	2,475	0	50	200	200	145	5,755	0.27
	%	33.4	4.3	1	7.9	43	0	0.9	3.5	3.5	2.5	100	
5. Feb.	g	1,065	185	0	345	1,395	0	20	0	0	1,645	4,655	0.21
	%	22.9	4	0	7.4	30	0	0.4	0	0	35.3	100	
6. Feb.	g	345	200	0	105	200	15	125	0	50	1,945	2,935	0.16
	%	11.6	6.7	0	3.5	6.7	0.5	4.2	0	1.7	65.2	100	
7. Feb.	g	2,925	290	50	105	180	5	2	40	80	2,083	5,760	0.30
	%	50.8	5	0.9	1.8	3.1	0.1	0	0.7	1.4	36.2	100	
TOTAL	g	13,745	1,435	185	1,785	8,580	150	472	415	1,035	7,638	35,440	0.25
	%	38.8	4	0.5	5	24.2	0.4	1.3	1.2	2.9	21.6	100	

Table Results of Waste Composition Survey in Summer - Wet Base [Discharge Source: Residential Area (Low Income)]

Date	Item	Physical Composition											Apparent Specific Gravity Kg/l
		Kitchen Waste	Paper	Textile	Plastic	Grass	Leather Rubber	Metal	Glass	Ceramic Stone	Other	TOTAL	
1, Feb.	g	1,085	190	0	145	610	0	55	90	80	900	3,155	0.15
	%	34.4	6	0	4.6	19.3	0	1.7	2.9	2.5	28.5	99.9	
2, Feb.	g	1,035	105	115	80	1,305	115	170	10	215	3,625	6,775	0.42
	%	15.3	1.5	1.7	1.2	19.3	1.7	2.5	0.1	3.2	53.5	100	
3, Feb.	g	655	195	35	180	155	0	110	215	100	2,335	3,980	0.28
	%	16.5	4.9	0.9	4.5	3.9	0	2.8	5.4	2.5	58.7	100.1	
4, Feb.	g	655	385	0	735	2,710	0	75	0	0	80	4,640	0.24
	%	14.1	8.3	0	15.8	58.4	0	1.6	0	0	1.7	100	
5, Feb.	g	920	535	50	380	1,380	2	3	0	55	1,410	4,735	0.23
	%	19.4	11.3	1.1	8	29.1	0	0.1	0	1.2	29.8	100	
6, Feb.	g	1,485	345	5	270	2,495	295	55	25	520	2,700	8,195	0.39
	%	18.1	4.2	0.1	3.3	30.4	3.6	0.7	0.3	6.3	32.9	99.9	
7, Feb.	g	1,250	185	110	150	1,045	5	50	45	105	1,360	4,305	0.33
	%	29	4.3	2.6	3.5	24.3	0.1	1.2	1	2.4	31.6	100	
TOTAL	g	7,085	1,940	315	1,940	9,700	417	518	385	1,075	12,410	35,785	0.29
	%	19.8	5.4	0.9	5.4	27.1	1.2	1.4	1.1	3	34.7	100	

Table Results of Waste Composition Survey in Summer - Wet Base [Discharge Source: Commercial Area (Restaurant)]

Date	Item	Physical Composition											Apparent Specific Gravity Kg/l
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	TOTAL	
1, Feb.	g	7,265	1,330	0	95	0	0	185	1,720	0	5	10,600	0.39
	%	68.5	12.5	0	0.9	0	0	1.7	16.2	0	0	99.8	
2, Feb.	g	7,045	775	0	480	0	0	530	2,065	0	760	11,655	0.43
	%	60.4	6.6	0	4.1	0	0	4.5	17.7	0	6.5	99.8	
3, Feb.	g	3,325	590	0	170	485	0	75	535	0	450	5,630	0.31
	%	59.1	10.5	0	3	8.6	0	1.3	9.5	0	8	100	
4, Feb.	g	10,320	410	20	430	305	0	110	415	0	390	12,400	0.54
	%	83.2	3.3	0.2	3.5	2.5	0	0.9	3.3	0	3.1	100	
5, Feb.	g	2,905	440	20	165	30	0	65	155	0	1,465	5,245	0.33
	%	55.4	8.4	0.4	3.1	0.6	0	1.2	3	0	27.9	100	
6, Feb.	g	6,735	1,195	180	355	130	0	185	75	250	595	9,700	0.54
	%	68.4	12.3	1.9	3.7	1.3	0	1.9	0.8	2.6	6.1	100	
7, Feb.	g	5,625	925	15	590	0	0	40	165	40	450	7,850	0.44
	%	71.7	11.8	0.2	7.5	0	0	0.5	2.1	0.5	5.7	100	
TOTAL Week	g	43,220	5,665	235	2,285	950	0	1,190	5,130	290	4,115	63,080	0.43
	%	68.5	9	0.4	3.6	1.5	0	1.9	8.1	0.5	6.5	100	

Table Results of Waste Composition Survey in Summer - Wet Base [Discharge Source: Commercial Area (Other Shop)]

Date	Item	Physical Composition											Apparent Specific Gravity Kg/l
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	TOTAL	
1. Feb.	g	245	2,580	0	155	10	0	10	0	0	55	3,055	0.09
	%	8	84.5	0	5.1	0.3	0	0.3	0	0	1.8	100	
2. Feb.	g	30	815	20	110	65	0	0	0	50	235	1,325	0.04
	%	2.3	61.5	1.5	8.3	4.9	0	0	0	3.8	17.7	100	
3. Feb.	g	440	1,035	15	200	115	0	80	25	75	10	1,995	0.06
	%	22.1	51.9	0.8	10	5.8	0	4	1.3	3.8	0.5	100.2	
4. Feb.	g	70	720	20	195	460	0	0	160	75	65	1,765	0.06
	%	4	40.8	1.1	11	26.1	0	0	9.1	4.2	3.7	100	
5. Feb.	g	-	-	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-	-	
6. Feb.	g	895	405	1	85	375	0	2	15	335	422	2,535	0.16
	%	35.3	16	0	3.4	14.8	0	0.1	0.6	13.2	16.6	100	
7. Feb.	g	360	295	15	245	300	0	2	25	130	323	1,695	0.12
	%	21.2	17.4	0.9	14.5	17.7	0	0.1	1.5	7.7	19.1	100.1	
TOTAL	g	2,040	5,850	71	990	1,325	0	94	225	665	1,110	12,370	0.09
	%	16.5	47.3	0.6	8	10.7	0	0.8	1.8	5.4	9.0	100.1	

Table Results of Waste Composition Survey in Summer - Wet Base [Discharge Source: Market]

Date	Item	Physical Composition											Apparent Specific Gravity Kg/l				
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	TOTAL					
1. Feb.	g	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Feb.	g	2,155	695	2	140	140	0	300	225	280	533	4,470	0.21				
	%	48.2	15.5	0	3.1	3.1	0	6.7	5	6.3	11.9	100					
3. Feb.	g	10,825	330	0	90	65	0	45	30	385	125	11,895	0.63				
	%	91	2.8	0	0.8	0.5	0	0.4	0.3	3.2	1.1	100					
4. Feb.	g	2,795	1,055	15	360	315	0	25	0	25	535	5,125	0.22				
	%	54.5	20.6	0.3	7	6.1	0	0.5	0	0.5	10.4	100					
5. Feb.	g	3,555	650	30	230	350	90	50	575	60	270	5,860	0.31				
	%	60.7	11.1	0.5	3.9	6	1.5	0.9	9.8	1	4.6	100					
6. Feb.	g	5,160	620	0	95	120	15	3	30	0	162	6,205	0.34				
	%	83.2	10	0	1.5	1.9	0.2	0	0.5	0	2.6	100					
7. Feb.	g	4,725	260	0	270	5	0	15	15	0	290	5,580	0.43				
	%	84.7	4.7	0	4.8	0.1	0	0.3	0.3	0	5.2	100					
TOTAL	g	29,215	3,610	47	1,185	995	105	438	875	750	1,915	39,135	0.36				
	%	74.7	9.2	0.1	3	2.5	0.3	1.1	2.2	1.9	4.9	100					

Table Results of Waste Composition Survey in Summer - Wet Base [Discharge Source: Institution]

Date	Item	Physical Composition											Apparent Specific Gravity Kg/l
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	TOTAL	
1, Feb.	g	345	700	20	55	200	0	95	0	0	40	1,455	0.07
	%	23.7	48.1	1.4	3.8	13.7	0	6.5	0	0	2.7	100	
2, Feb.	g	750	1,240	5	60	135	0	55	5	20	80	2,350	0.10
	%	31.9	52.8	0.2	2.6	5.7	0	2.3	0.2	0.9	3.4	100	
3, Feb.	g	740	1,200	180	170	255	0	60	60	215	135	3,015	0.13
	%	24.5	39.8	6	5.6	8.5	0	2	2	7.1	4.5	100	
4, Feb.	g	120	775	95	190	465	0	45	250	0	15	1,955	0.10
	%	6.1	39.6	4.9	9.7	23.8	0	2.3	12.8	0	0.8	100	
5, Feb.	g	-	-	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-	-	
6, Feb.	g	-	-	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-	-	
7, Feb.	g	160	1,070	5	105	530	0	15	40	20	175	2,120	0.12
	%	7.5	50.5	0.2	5	25	0	0.7	1.9	0.9	8.3	100	
TOTAL	g	2,115	4,985	305	580	1,585	0	270	355	255	445	10,895	0.10
	%	19.4	45.8	2.8	5.3	14.5	0	2.5	3.3	2.3	4.1	100	

Table Results of Waste Composition Survey in Summer - Wet Base [Discharge Source: Residential Area (High Income)]

Date	Item	Physical Composition										Apparent Specific Gravity Kg/l	
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other		TOTAL
1, Feb.	g	880	170	5	255	2,250	0	105	570	50	115	4,400	0.16
	%	20	3.9	0.1	5.8	51.1	0	2.4	13	1.1	2.6	100	
2, Feb.	g	645	145	120	120	585	0	70	250	130	5	2,070	0.12
	%	31.2	7	5.8	5.8	28.3	0	3.4	12.1	6.3	0.2	100.1	
3, Feb.	g	865	400	15	260	1,025	25	100	400	75	95	3,260	0.12
	%	26.5	12.3	0.5	8	31.4	0.8	3.1	12.3	2.3	2.9	100.1	
4, Feb.	g	565	650	0	305	1,475	0	0	70	10	0	3,075	0.13
	%	18.4	21.1	0	9.9	48.0	0	0	2.3	0.3	0	100	
5, Feb.	g	2,815	835	10	55	445	0	130	490	0	260	5,040	0.19
	%	55.9	16.6	0.2	1.1	8.8	0	2.6	9.7	0	5.2	100	
6, Feb.	g	1,605	405	15	175	855	0	10	15	60	1,150	4,290	0.24
	%	37.4	9.4	0.3	4.1	19.9	0	0.2	0.3	1.4	26.8	99.8	
7, Feb.	g	525	165	5	450	755	0	40	5	120	435	2,500	0.13
	%	21	6.6	0.2	18	30.2	0	1.6	0.2	4.8	17.4	100	
TOTAL	g	7,900	2,770	170	1,620	7,390	25	455	1,800	445	2,060	24,635	0.16
	%	32.1	11.2	0.7	6.6	30	0.1	1.8	7.3	1.8	8.4	100	

Table Results of the Moisture Content Analysis in the Summer <Discharge Source: Market>

Date	Item	Moisture Content													TOTAL
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic & Stones	Other				
1, Feb. (Tue)	wet base g	1,716.0	157.1	0.0	89.0	75.3	9.4	7.7	17.4	0.0	0.5	2,072.2			
	dry base g	698.2	91.3	0.0	70.0	61.2	9.4	6.6	17.2	0.0	0.4	954.2			
	moisture g	1,017.7	65.8	0.0	19.0	14.1	0.1	1.1	0.2	0.0	0.0	1,118.0			
	content %	59.3	41.9	0.0	21.4	18.8	0.5	13.7	1.0	0.0	11.1	54.0			
2, Feb. (Wed)	wet base g	1,142.3	103.1	0.0	130.9	97.0	11.8	11.0	23.0	0.0	0.6	1,519.5			
	dry base g	465.5	60.9	0.0	104.9	73.4	11.7	9.9	23.0	0.0	0.5	749.7			
	moisture g	676.8	42.2	0.0	26.0	23.6	0.1	1.1	0.0	0.0	0.1	769.8			
	content %	59.3	41.0	0.0	19.9	24.3	0.5	9.8	0.0	0.0	15.6	50.7			
3, Feb. (Thu)	wet base g	2,288.6	210.2	0.0	175.9	29.3	14.1	15.2	28.8	0.0	0.6	2,762.7			
	dry base g	931.0	121.7	0.0	139.9	24.5	14.0	13.2	28.7	0.0	0.6	1,273.5			
	moisture g	1,357.7	88.5	0.0	36.0	4.9	0.1	2.0	0.1	0.0	0.0	1,489.2			
	content %	59.3	42.1	0.0	20.5	16.5	0.5	13.2	0.4	0.0	7.0	53.9			
4, Feb. (Fri)	wet base g	2,856.3	258.2	0.0	221.9	49.0	4.7	18.3	34.6	0.0	0.2	3,443.1			
	dry base g	1,163.7	152.1	0.0	174.9	36.7	4.7	16.5	34.4	0.0	0.2	1,583.2			
	moisture g	1,692.6	106.1	0.0	47.0	12.3	0.0	1.8	0.2	0.0	0.0	1,859.9			
	content %	59.3	41.1	0.0	21.2	25.1	0.5	10.0	0.4	0.0	14.9	54.0			
5, Feb. (Sat)	wet base g	3,442.9	325.2	0.0	261.9	62.7	7.1	22.4	11.5	0.0	0.3	4,133.9			
	dry base g	1,396.4	182.6	0.0	209.9	49.0	7.0	19.8	11.5	0.0	0.3	1,876.4			
	moisture g	2,046.5	142.7	0.0	52.0	13.7	0.0	2.6	0.1	0.0	0.0	2,257.5			
	content %	59.4	43.9	0.0	19.9	21.9	0.5	11.4	0.4	0.0	8.4	54.6			
6, Feb. (Sun)	wet base g	1,966.4	195.1	0.0	84.6	119.2	18.8	10.4	31.5	0.0	0.0	2,426.0			
	dry base g	796.9	126.0	0.0	62.4	94.3	18.7	10.4	31.3	0.0	0.0	1,140.0			
	moisture g	1,169.5	69.1	0.0	22.2	24.9	0.1	0.0	0.2	0.0	0.0	1,286.0			
	content %	59.5	35.4	0.0	26.2	20.9	0.5	0.0	0.6	0.0	0.0	53.0			
7, Feb. (Mon)	wet base g	2,606.8	221.2	0.0	267.2	6.1	0.0	19.4	14.6	0.0	0.9	3,136.2			
	dry base g	1,065.0	117.4	0.0	217.4	3.6	0.0	16.0	14.6	0.0	0.8	1,434.8			
	moisture g	1,541.8	103.8	0.0	49.8	2.5	0.0	3.4	0.0	0.0	0.1	1,701.4			
	content %	59.1	46.9	0.0	18.6	41.0	0.0	17.5	0.0	0.0	11.1	54.3			
Average	moisture content %	59.3	42.0	0.0	20.5	21.9	0.5	11.4	0.4	0.0	11.1	53.8			

Table Results of the Moisture Content Analysis in the Summer <Discharge Source: Residential Area (Low Income)>

Date	Item	Moisture Content											TOTAL
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic & Stones	Other		
1, Feb. (Tue)	wet base g	669.1	197.7	0.0	62.7	137.6	0.0	70.9	107.6	80.0	328.0	1,653.6	
	dry base g	329.6	162.8	0.0	59.0	96.4	0.0	70.8	107.5	77.7	326.1	1,229.9	
	moisture g	339.5	34.9	0.0	3.7	41.2	0.0	0.1	0.1	2.3	1.9	423.7	
	content %	50.7	17.7	0.0	5.9	29.9	0.0	0.1	0.1	2.9	0.6	25.6	
2, Feb. (Wed)	wet base g	337.7	136.2	44.3	177.8	211.5	76.7	75.7	90.7	93.6	449.9	1,694.2	
	dry base g	166.1	103.1	37.5	166.8	146.2	74.6	75.3	90.7	86.6	439.2	1,386.1	
	moisture g	171.6	33.0	6.8	11.0	65.4	2.1	0.4	0.1	7.0	10.8	308.1	
	content %	50.8	24.3	15.3	6.2	30.9	2.8	0.6	0.1	7.4	2.4	18.2	
3, Feb. (Thu)	wet base g	636.4	201.8	58.4	49.4	384.1	115.3	100.8	22.7	184.2	664.9	2,418.0	
	dry base g	332.3	154.7	50.0	41.7	292.3	111.9	100.4	22.7	173.3	658.8	1,938.0	
	moisture g	304.2	47.0	8.3	7.7	91.7	3.4	0.3	0.1	10.9	6.2	479.9	
	content %	47.8	23.3	14.3	15.7	23.9	3.0	0.3	0.3	5.9	0.9	19.8	
4, Feb. (Fri)	wet base g	990.2	272.3	15.3	97.9	611.6	153.7	25.4	45.4	279.8	893.9	3,385.4	
	dry base g	498.4	206.3	12.5	83.4	438.5	149.2	25.1	45.3	259.9	878.3	2,596.9	
	moisture g	491.8	66.1	2.8	14.5	173.1	4.5	0.3	0.1	19.9	15.5	788.5	
	content %	49.7	24.3	18.1	14.8	28.3	2.9	1.2	0.2	7.1	1.7	23.3	
5, Feb. (Sat)	wet base g	1,282.9	65.6	28.7	129.3	778.1	38.4	50.2	68.0	368.3	221.0	3,030.6	
	dry base g	664.5	51.6	25.0	125.1	584.7	37.3	50.2	68.0	346.5	219.6	2,172.5	
	moisture g	618.3	14.0	3.7	4.2	193.4	1.1	0.0	0.0	21.8	1.4	858.1	
	content %	48.2	21.4	12.9	3.3	24.9	2.8	0.0	0.0	5.9	0.6	28.3	
6, Feb. (Sun)	wet base g	685.7	196.3	6.4	195.3	469.8	287.3	54.2	21.0	523.2	913.2	3,352.4	
	dry base g	326.1	145.1	5.9	181.0	309.1	279.0	53.8	21.0	484.3	910.6	2,715.9	
	moisture g	359.6	51.2	0.5	14.3	160.7	8.3	0.4	0.0	38.9	2.6	636.5	
	content %	52.4	26.1	7.8	7.3	34.2	2.9	0.7	0.0	7.4	0.3	19.0	
7, Feb. (Mon)	wet base g	1,080.6	112.9	103.6	82.8	881.6	0.7	64.0	41.6	91.2	431.1	2,890.1	
	dry base g	590.3	78.9	87.9	72.7	690.8	0.7	63.7	41.5	87.7	410.2	2,124.4	
	moisture g	490.3	34.0	15.7	10.1	190.8	0.0	0.3	0.1	3.5	20.9	765.7	
	content %	45.4	30.1	15.2	12.2	21.6	0.0	0.5	0.2	3.8	4.8	26.5	
Average	moisture content %	48.8	23.7	14.7	8.2	26.4	2.9	0.4	0.1	6.4	1.5	23.1	

Table Results of the Moisture Content Analysis in the Summer <Discharge Source: Residential Area (Middle Income)>

Date	Item	Moisture Content											TOTAL
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic & Stones	Other		
1, Feb. (Tue)	wet base g	1,020.2	98.1	1.2	301.6	313.4	1.2	63.2	182.0	359.9	334.2	2,675.0	
	dry base g	360.8	78.7	1.2	287.7	186.6	0.9	61.9	175.1	350.3	318.0	1,821.2	
	moisture content %	659.4	19.4	0.0	13.9	126.8	0.3	1.3	6.9	9.6	16.2	853.8	
2, Feb. (Wed)	wet base g	536.2	102.3	16.5	270.9	254.9	7.4	84.6	117.3	63.0	377.5	1,830.5	
	dry base g	150.7	78.9	11.6	247.6	138.0	7.2	82.1	113.4	59.9	349.6	1,239.0	
	moisture content %	385.6	23.3	4.9	23.3	116.8	0.2	2.5	3.9	3.1	27.9	591.5	
3, Feb. (Thu)	wet base g	1,033.5	150.9	22.3	62.7	470.7	10.9	112.5	29.1	123.0	556.3	2,571.8	
	dry base g	301.3	118.4	17.4	61.9	276.1	10.8	109.5	28.3	119.7	524.4	1,567.9	
	moisture content %	732.1	32.5	4.9	0.8	194.7	0.0	3.0	0.7	3.3	31.9	1,003.9	
4, Feb. (Fri)	wet base g	1,585.7	204.5	29.0	140.4	741.6	14.6	28.4	58.7	188.0	749.0	3,740.0	
	dry base g	452.0	157.9	23.1	123.8	414.1	14.5	27.4	56.7	179.6	699.2	2,148.2	
	moisture content %	1,133.7	46.6	5.9	16.6	327.5	0.1	1.0	2.0	8.4	49.8	1,591.7	
5, Feb. (Sat)	wet base g	2,076.9	48.6	9.8	193.2	951.4	3.7	56.1	87.5	246.1	184.8	3,858.0	
	dry base g	602.7	39.5	5.8	185.7	552.1	3.6	54.7	85.0	239.5	174.8	1,943.4	
	moisture content %	1,474.2	9.2	4.0	7.4	399.3	0.1	1.4	2.5	6.6	10.0	1,914.6	
6, Feb. (Sun)	wet base g	1,264.4	158.1	0.0	104.6	537.9	23.9	142.4	0.0	43.5	420.7	2,695.5	
	dry base g	115.1	128.9	0.0	100.0	307.4	23.9	138.0	0.0	41.5	396.3	1,251.1	
	moisture content %	1,149.3	29.2	0.0	4.6	230.5	0.0	4.4	0.0	2.0	24.4	1,444.4	
7, Feb. (Mon)	wet base g	1,639.6	123.5	57.0	94.2	962.6	2.3	5.6	37.5	61.7	645.8	3,629.8	
	dry base g	654.1	88.4	42.2	76.6	541.2	2.3	5.4	37.5	57.2	596.7	2,101.6	
	moisture content %	985.5	35.1	14.8	17.6	421.4	0.0	0.2	0.0	4.5	49.1	1,528.2	
Average	moisture content %	60.1	28.4	26.0	18.7	43.8	0.0	3.6	0.0	7.3	7.6	42.1	
	moisture content %	71.2	22.0	25.4	7.2	42.9	1.1	2.8	3.1	3.5	6.4	42.5	

Table Results of the Moisture Content Analysis in the Summer < Discharge Source: Residential Area (High Income) >

Date	Item	Moisture Content											TOTAL
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic & Stones	Other		
1, Feb. (Tue)	wet base g	422.3	72.5	5.5	178.5	431.4	0.0	118.2	430.3	61.5	216.7	1,936.9	
	dry base g	159.0	63.6	4.4	73.8	262.2	0.0	117.3	429.6	59.2	197.6	1,366.7	
	moisture g	263.3	8.9	1.1	104.7	169.2	0.0	0.9	0.7	2.3	19.1	570.2	
	content %	62.3	12.3	20.0	58.7	39.2	0.0	0.8	0.2	3.7	8.8	29.4	
2, Feb. (Wed)	wet base g	957.8	35.0	4.1	220.4	394.7	0.0	21.4	123.7	93.0	463.4	2,313.4	
	dry base g	337.5	29.6	2.6	148.1	234.4	0.0	21.2	123.3	86.8	427.7	1,411.2	
	moisture g	620.3	5.4	1.5	72.3	160.3	0.0	0.2	0.4	6.2	35.7	902.3	
	content %	64.8	15.4	35.6	32.8	40.6	0.0	1.2	0.3	6.7	7.7	39.0	
3, Feb. (Thu)	wet base g	695.6	66.9	4.8	90.7	241.5	0.0	42.6	185.1	121.7	340.5	1,789.3	
	dry base g	253.1	59.2	3.5	74.1	156.3	0.0	42.4	185.0	115.7	320.8	1,209.9	
	moisture g	442.5	7.7	1.2	16.6	85.2	0.0	0.2	0.1	6.0	19.8	579.3	
	content %	63.6	11.6	26.2	18.3	35.3	0.0	0.5	0.1	4.9	5.8	32.4	
4, Feb. (Fri)	wet base g	488.4	103.9	1.9	430.7	143.2	0.0	64.2	247.0	32.7	231.7	1,743.7	
	dry base g	168.7	88.8	0.9	296.2	78.1	0.0	63.6	246.6	28.9	213.8	1,185.7	
	moisture g	319.7	15.1	1.0	134.5	65.1	0.0	0.6	0.4	3.7	17.8	558.0	
	content %	65.4	14.6	52.9	31.2	45.4	0.0	1.0	0.2	11.5	7.7	32.0	
5, Feb. (Sat)	wet base g	220.2	133.8	1.9	295.0	492.9	0.0	85.2	61.8	59.3	112.8	1,463.1	
	dry base g	84.4	118.3	1.8	222.2	312.5	0.0	84.8	61.7	57.8	106.9	1,050.4	
	moisture g	135.8	15.5	0.2	72.9	180.4	0.0	0.4	0.2	1.5	5.9	412.7	
	content %	61.7	11.6	9.0	24.7	36.6	0.0	0.5	0.3	2.5	5.2	28.2	
6, Feb. (Sun)	wet base g	817.9	123.3	1.0	140.0	161.7	0.0	5.9	32.9	57.9	372.0	1,712.6	
	dry base g	224.9	106.7	0.8	113.5	122.2	0.0	5.8	32.8	52.3	346.2	1,005.2	
	moisture g	593.0	16.6	0.2	26.5	39.5	0.0	0.1	0.1	5.6	25.8	707.4	
	content %	72.5	13.5	20.0	18.9	24.4	0.0	1.7	0.3	9.7	6.9	41.3	
7, Feb. (Mon)	wet base g	531.3	58.9	3.0	459.1	361.1	0.0	36.0	0.0	110.6	272.6	1,832.6	
	dry base g	248.9	51.6	1.4	368.1	201.6	0.0	35.9	0.0	105.4	258.1	1,271.0	
	moisture g	282.4	7.3	1.6	91.0	159.5	0.0	0.1	0.0	5.2	14.5	561.6	
	content %	53.2	12.4	53.3	19.8	44.2	0.0	0.3	0.0	4.7	5.3	30.6	
Average	moisture content	64.3	12.9	30.5	28.6	38.6	0.0	0.7	0.2	5.7	6.9	33.5	

Table Results of the Moisture Content Analysis in the Summer <Discharge Source: Commercial Area (Restaurants) >

Date	Item	Moisture Content											TOTAL
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic & Stones	Other		
1, Feb. (Tue)	wet base g	1,692.5	591.6	0.0	91.9	0.0	0.0	172.1	655.8	0.0	0.0	0.0	3,203.9
	dry base g	536.8	201.1	0.0	59.0	0.0	0.0	158.0	653.4	0.0	0.0	0.0	1,608.3
	moisture g	1,155.7	390.5	0.0	32.9	0.0	0.0	14.1	2.4	0.0	0.0	0.0	1,595.6
	content %	68.3	66.0	0.0	35.8	0.0	0.0	8.2	0.4	0.0	0.0	0.0	49.8
2, Feb. (Wed)	wet base g	1,046.0	484.3	56.8	365.2	32.0	0.0	161.7	483.0	113.3	0.0	0.0	2,742.2
	dry base g	327.5	178.3	24.2	265.5	7.5	0.0	127.0	481.5	105.0	0.0	0.0	1,516.7
	moisture g	718.4	305.9	32.5	99.6	24.5	0.0	34.7	1.5	8.2	0.0	0.0	1,225.5
	content %	68.7	63.2	57.3	27.3	76.6	0.0	21.5	0.3	7.3	0.0	0.0	44.7
3, Feb. (Thu)	wet base g	2,053.0	723.9	82.7	86.3	25.0	0.0	215.4	362.2	148.7	0.0	0.0	3,697.1
	dry base g	655.1	267.5	36.4	66.4	15.0	0.0	169.3	361.1	140.1	0.0	0.0	1,710.8
	moisture g	1,397.9	456.4	46.3	19.9	10.0	0.0	46.1	1.0	8.7	0.0	0.0	1,986.3
	content %	68.1	63.0	56.0	23.1	40.0	0.0	21.4	0.3	5.8	0.0	0.0	53.7
4, Feb. (Fri)	wet base g	3,115.0	968.5	113.6	187.6	73.0	0.0	108.0	241.5	39.4	0.0	0.0	4,846.5
	dry base g	982.6	356.6	48.5	132.8	22.5	0.0	94.7	240.7	35.0	0.0	0.0	1,903.4
	moisture g	2,132.3	611.9	65.1	54.8	50.5	0.0	23.3	0.8	4.4	0.0	0.0	2,943.1
	content %	68.5	63.2	57.3	29.2	69.2	0.0	21.6	0.3	11.2	0.0	0.0	60.7
5, Feb. (Sat)	wet base g	4,115.9	239.6	25.9	263.9	59.9	0.0	53.7	120.7	72.9	0.0	0.0	4,952.5
	dry base g	1,310.2	89.2	12.1	199.2	30.0	0.0	42.3	120.4	70.0	0.0	0.0	1,873.3
	moisture g	2,805.8	150.5	13.8	64.7	30.0	0.0	11.3	0.3	2.8	0.0	0.0	3,079.2
	content %	68.2	62.8	53.2	24.5	50.0	0.0	21.1	0.2	3.9	0.0	0.0	62.2
6, Feb. (Sun)	wet base g	3,698.0	677.8	183.0	352.1	142.4	0.0	194.4	82.0	244.0	0.0	0.0	5,573.7
	dry base g	1,206.8	237.1	74.3	266.6	56.2	0.0	128.7	81.7	227.6	0.0	0.0	2,279.0
	moisture g	2,491.2	440.7	108.7	85.5	86.2	0.0	65.7	0.3	16.4	0.0	0.0	3,294.7
	content %	67.4	65.0	59.4	24.3	60.5	0.0	33.8	0.4	6.7	0.0	0.0	59.1
7, Feb. (Mon)	wet base g	2,356.9	542.8	26.2	233.2	0.0	0.0	37.6	167.7	36.7	0.0	0.0	3,401.1
	dry base g	713.0	230.5	16.6	172.3	0.0	0.0	30.8	167.7	35.0	0.0	0.0	1,365.9
	moisture g	1,643.9	312.3	9.6	60.9	0.0	0.0	6.8	0.0	1.7	0.0	0.0	2,035.2
	content %	69.7	57.5	36.6	26.1	0.0	0.0	18.1	0.0	4.6	0.0	0.0	59.8
Average	moisture content %	68.3	63.1	56.5	26.5	60.5	0.0	21.4	0.3	6.4	0.0	0.0	56.9

Table Results of the Moisture Content Analysis in the Summer < Discharge Source: Commercial Area (Others) >

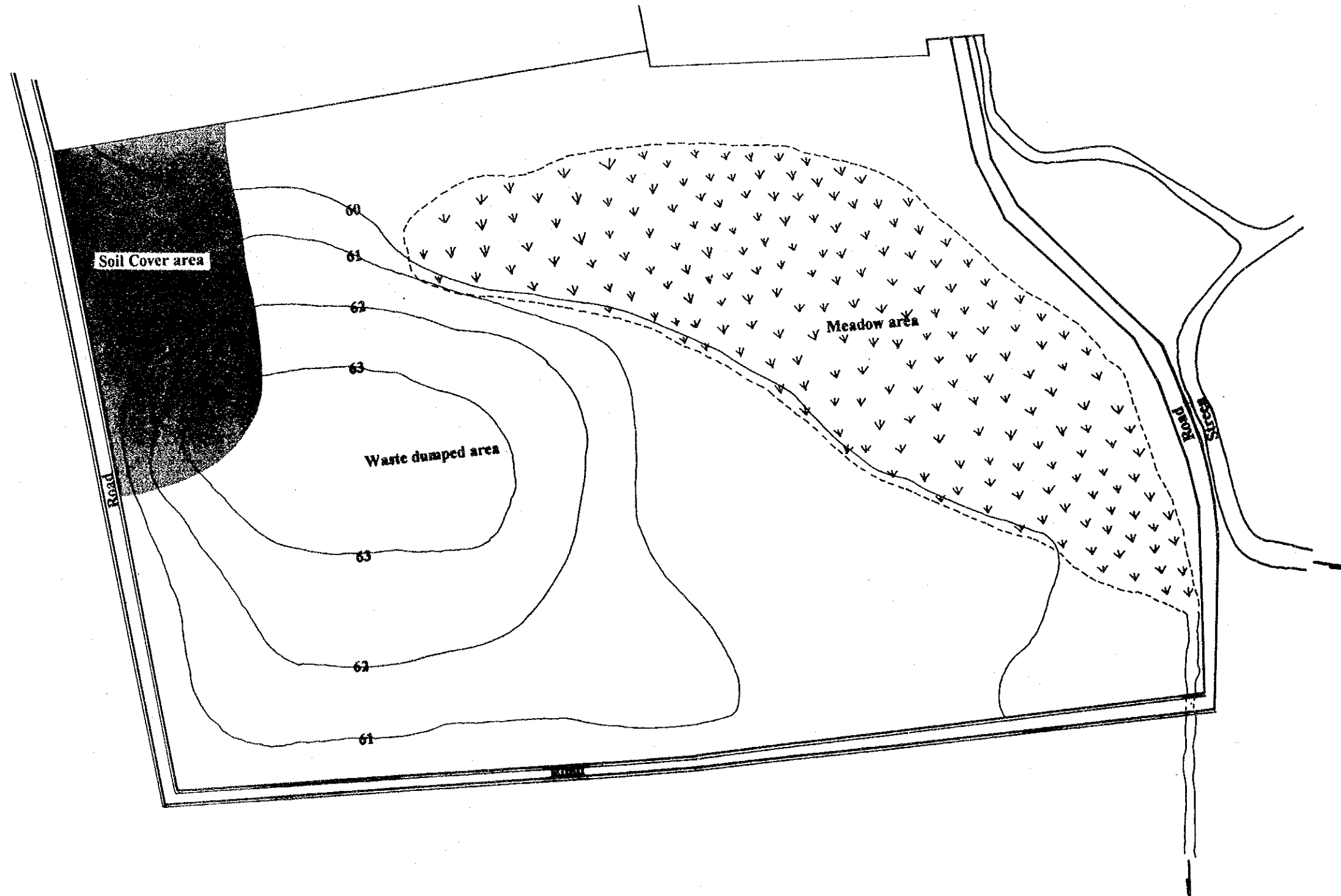
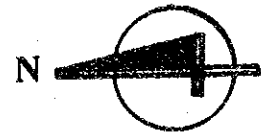
Date	Item	Moisture Content											TOTAL		
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic & Stones	Other				
1, Feb. (Tue)	wet base g	132.5	475.7	0.0	70.6	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	686.5
	dry base g	63.3	225.5	0.0	66.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360.7
	moisture g	69.2	250.2	0.0	3.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	325.8
	content %	52.2	52.6	0.0	5.4	33.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5
2, Feb. (Wed)	wet base g	590.5	118.6	2.9	85.4	258.7	2.6	1.9	17.1	61.4	255.0	223.7	865.2		
	dry base g	256.4	72.3	1.7	73.3	156.6	2.4	1.9	17.1	59.8	223.7	865.2			
	moisture g	334.1	46.3	1.3	12.1	102.1	0.2	0.0	0.0	1.6	31.3	528.9			
	content %	56.6	39.0	42.9	14.2	39.5	8.2	0.0	0.0	2.6	12.3	37.9			
3, Feb. (Thu)	wet base g	420.2	469.4	1.0	50.3	171.2	5.0	2.8	11.5	119.9	169.9	1,421.1			
	dry base g	192.3	289.2	0.8	48.9	117.4	4.7	2.8	11.4	119.7	149.1	936.4			
	moisture g	227.8	180.2	0.2	1.4	53.8	0.3	0.0	0.1	0.2	20.8	484.7			
	content %	54.2	38.4	17.6	2.8	31.4	5.4	0.0	0.6	0.1	12.2	34.1			
4, Feb. (Fri)	wet base g	304.8	354.8	5.9	34.1	138.8	7.6	0.0	5.8	181.3	87.0	1,120.1			
	dry base g	128.2	216.9	3.4	24.4	78.3	7.1	0.0	5.7	179.5	74.6	718.1			
	moisture g	176.6	137.9	2.5	9.7	60.5	0.5	0.0	0.1	1.8	12.4	402.0			
	content %	57.9	38.9	42.9	28.4	43.6	6.6	0.0	1.1	1.0	14.3	35.9			
5, Feb. (Sat)	wet base g	128.4	233.2	3.4	101.5	45.4	10.1	3.8	22.8	241.7	337.9	1,128.1			
	dry base g	64.1	144.6	2.5	97.7	39.1	9.4	3.8	22.8	239.4	298.3	921.8			
	moisture g	64.3	88.6	0.8	3.8	6.3	0.6	0.0	0.0	2.9	39.6	206.3			
	content %	50.1	38.0	25.0	3.8	13.8	6.2	0.0	0.0	1.0	11.7	18.3			
6, Feb. (Sun)	wet base g	632.1	213.9	2.8	52.5	264.4	16.1	5.0	16.0	330.6	340.3	1,873.7			
	dry base g	310.4	169.5	2.2	51.5	173.6	14.9	5.0	15.9	329.4	302.4	1,374.8			
	moisture g	321.7	44.4	0.6	1.0	90.8	1.2	0.0	0.1	1.2	37.9	498.9			
	content %	50.9	20.8	21.4	1.9	34.3	7.5	0.0	0.6	0.4	11.1	26.6			
7, Feb. (Mon)	wet base g	318.3	192.4	7.1	80.4	188.5	2.8	2.1	26.9	122.6	297.0	1,238.1			
	dry base g	107.1	147.2	4.1	64.9	114.9	2.8	2.1	26.9	119.4	256.9	846.3			
	moisture g	211.2	45.2	3.0	15.5	73.6	0.0	0.0	0.0	3.2	40.1	391.8			
	content %	66.4	23.5	42.3	19.3	39.0	0.0	0.0	0.0	2.6	13.5	31.6			
Average	moisture content	55.6	38.5	36.4	10.0	36.3	6.3	0.0	0.2	1.0	12.2	32.0			

Table Results of the Moisture Content Analysis in the Summer <Discharge Source: Public Institutions>

Date	Item	Moisture Content											TOTAL
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic & Stones	Other		
1, Feb. (Tue)	wet base g	179.6	212.3	5.7	30.4	113.9	0.0	76.6	0.0	0.0	0.0	3.2	621.7
	dry base g	91.3	144.7	5.7	26.7	39.6	0.0	75.6	0.0	0.0	0.0	2.2	385.8
2, Feb. (Wed)	moisture g	88.3	67.6	0.0	3.7	74.3	0.0	1.0	0.0	0.0	0.0	1.0	235.9
	content %	49.2	31.8	0.0	12.2	65.2	0.0	1.3	0.0	0.0	0.0	31.3	37.9
3, Feb. (Thu)	wet base g	76.5	286.6	6.7	107.0	98.4	0.0	38.0	26.8	1.5	45.9	687.6	
	dry base g	29.4	178.1	6.0	104.6	47.0	0.0	37.3	26.7	1.5	30.5	461.0	
4, Feb. (Fri)	moisture g	47.1	108.5	0.7	2.5	51.5	0.0	0.7	0.1	0.0	15.5	226.6	
	content %	61.6	37.9	11.0	2.3	52.3	0.0	1.9	0.4	0.0	33.7	33.0	
5, Feb. (Sat)	wet base g	114.0	427.4	8.2	31.8	157.9	0.0	50.5	6.8	3.0	58.9	858.4	
	dry base g	58.8	267.1	7.9	26.1	93.9	0.0	49.7	6.7	3.0	45.7	559.1	
6, Feb. (Sun)	moisture g	55.2	160.3	0.3	5.6	63.9	0.0	0.8	0.1	0.0	13.2	299.4	
	content %	48.4	37.5	3.5	17.7	40.5	0.0	1.5	1.3	0.0	22.4	34.9	
7, Feb. (Mon)	wet base g	206.5	573.3	2.2	55.7	272.3	0.0	12.8	13.5	4.5	85.9	1,226.6	
	dry base g	88.2	356.2	2.0	52.3	140.9	0.0	12.4	13.4	4.5	61.0	730.8	
Average	moisture g	118.3	217.1	0.2	3.4	131.4	0.0	0.4	0.1	0.0	24.9	495.8	
	content %	57.3	37.9	9.0	6.1	48.2	0.0	3.2	1.0	0.0	29.0	40.4	
5, Feb. (Sat)	wet base g	238.0	140.8	4.2	83.1	325.7	0.0	25.1	20.1	6.0	19.0	861.9	
	dry base g	117.6	89.0	4.0	78.4	187.9	0.0	24.9	20.0	6.0	15.2	543.1	
6, Feb. (Sun)	moisture g	120.4	51.8	0.2	4.6	137.8	0.0	0.2	0.1	0.0	3.7	318.9	
	content %	50.6	36.8	5.8	5.6	42.3	0.0	0.9	0.3	0.0	19.7	37.0	
7, Feb. (Mon)	wet base g	164.1	383.1	10.3	107.2	519.1	0.0	18.2	50.4	11.2	154.1	1,417.7	
	dry base g	65.9	297.6	9.2	102.6	307.6	0.0	17.6	50.1	11.2	112.1	973.9	
Average	moisture g	98.2	85.5	1.1	4.6	211.5	0.0	0.6	0.3	0.0	42.0	443.8	
	content %	59.8	22.3	10.7	4.3	40.7	0.0	3.3	0.6	0.0	27.3	31.3	
Average	wet base g	132.5	475.7	0.0	70.6	7.7	0.0	0.0	0.0	0.0	0.0	686.5	
	dry base g	63.3	225.5	0.0	66.8	5.1	0.0	0.0	0.0	0.0	0.0	360.7	
Average	moisture g	69.2	250.2	0.0	3.8	2.6	0.0	0.0	0.0	0.0	0.0	325.8	
	content %	52.2	52.6	0.0	5.4	33.8	0.0	0.0	0.0	0.0	0.0	47.5	
Average	moisture %	53.7	37.7	6.9	5.8	45.0	0.0	1.7	0.6	0.0	27.3	36.9	
	content %												

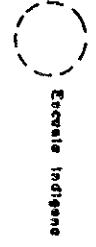
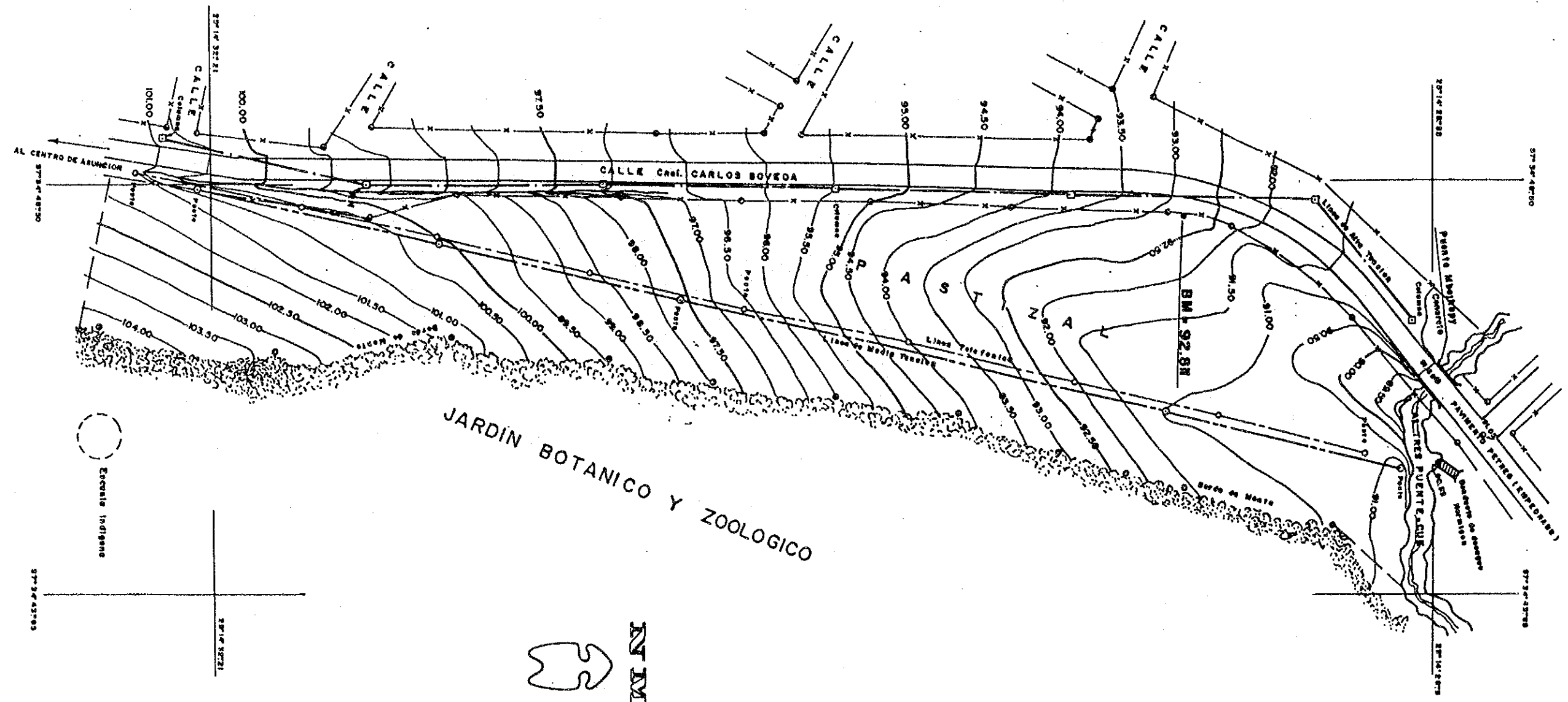
B. Topographical Maps

- Cateura***
- Chaco-i***
- Vinas Cue***
- Avenida Madam Lynch***

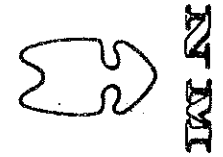


Title	
Topographical Map of Cateura Disposal Site	
Drawing No.	The Study on The Solid Waste Management for Metropolitan Area of Asuncion
TM001	
Japan International Cooperation Agency	

LOTEO PARA DAMNIFICADOS

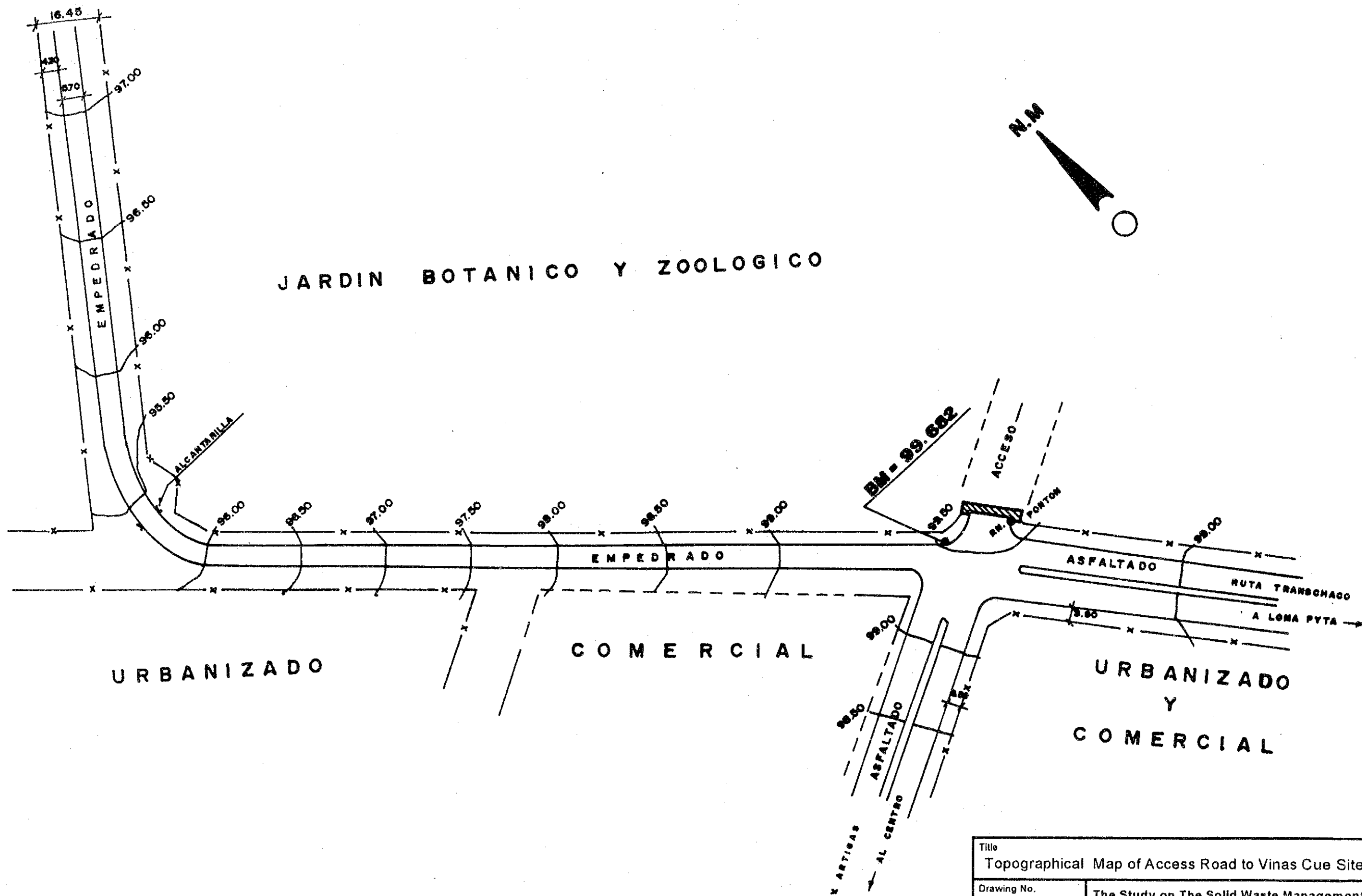


Escuela Indígena

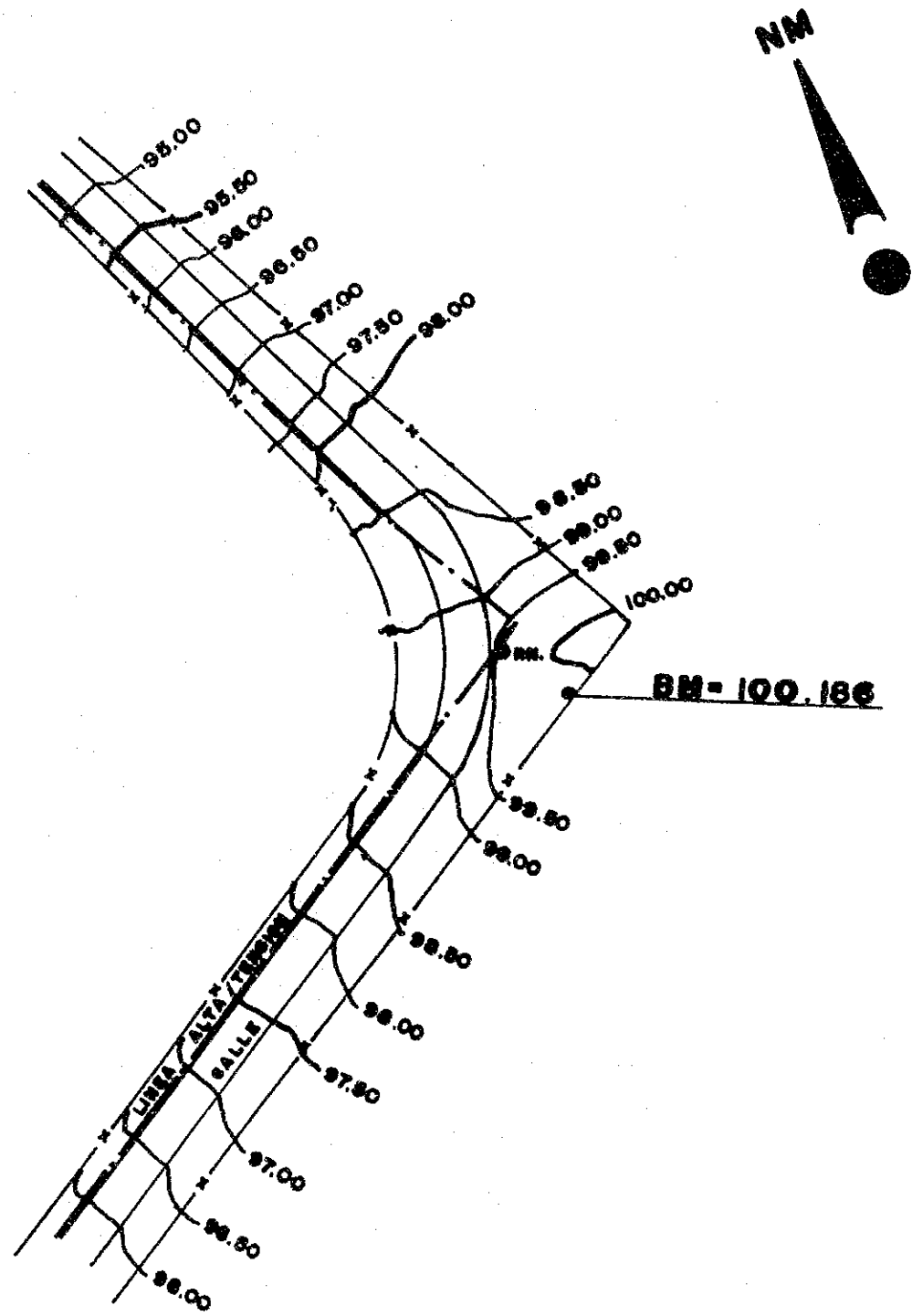


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Title		Topographical Map of Vinas Cue Site	
Drawing No.	TM003	The Study on The Solid Waste Management for Metropolitan Area of Asuncion	
		Japan International Cooperation Agency	

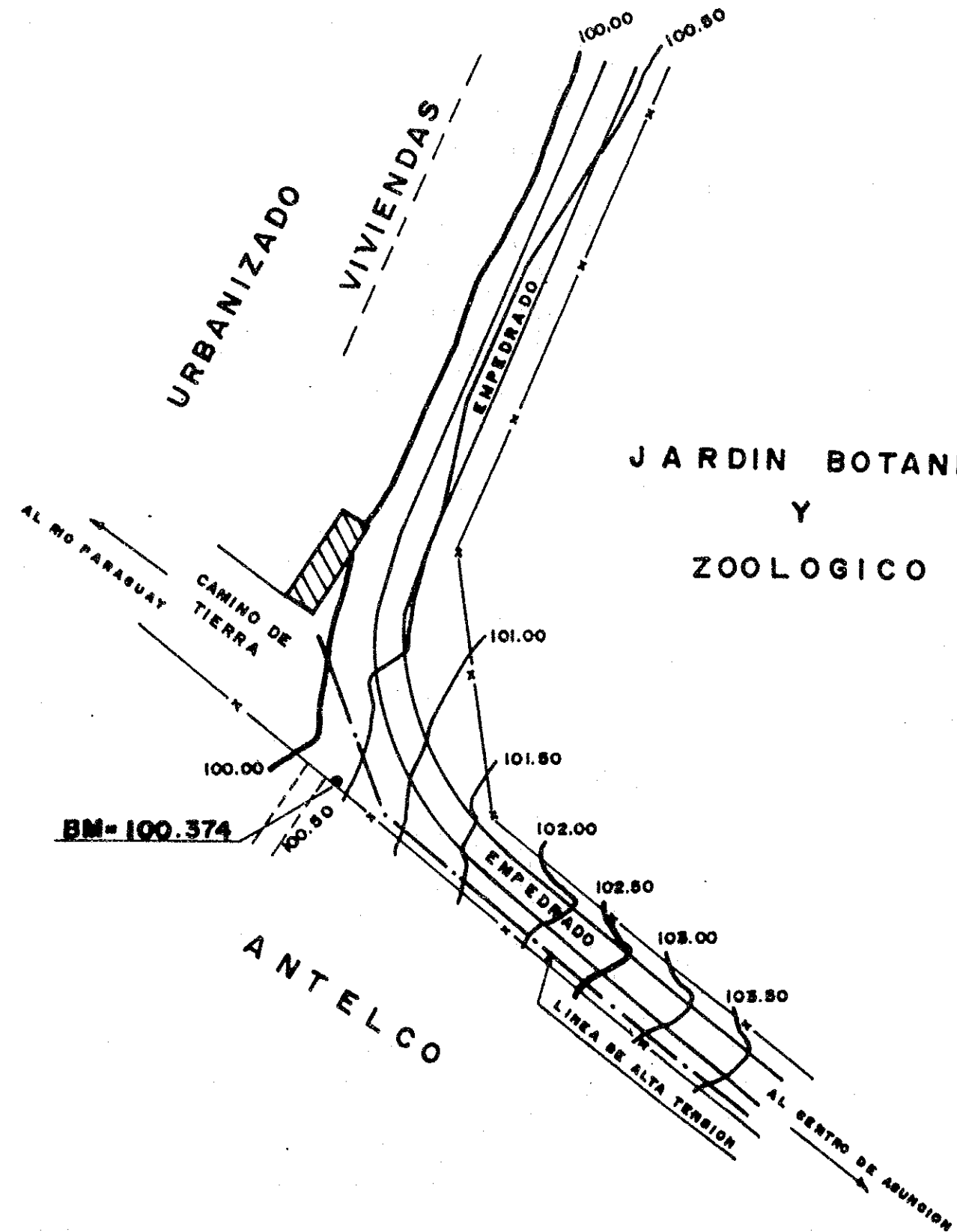


Title	
Topographical Map of Access Road to Vinas Cue Site	
Drawing No.	The Study on The Solid Waste Management for Metropolitan Area of Asuncion
TM004	Japan International Cooperation Agency



Title		Access Road to Vinas Cue Site 2
Drawing No.	The Study on The Solid Waste Management for Metropolitan Area of Asuncion	Japan International Cooperation Agency
TM005		

NM



Title	
Access Road to Vinas Cue 3	
Drawing No.	The Study on The Solid Waste Management for Metropolitan Area of Asuncion
TM006	Japan International Cooperation Agency

C. Geological Survey Data

- Cateura***
- Chaco-i***
- Vinas Cue***
- Avenida Madam Lynch***

**GEOLOGICAL SURVEY FOR THE STUDY
ON THE WASTE MANAGEMENT FOR
THE METROPOLITAN AREA OF
ASUNCION, REPUBLIC OF PARAGUAY.**

CONTENTS

1. GENERAL
2. LOCATION MAP
3. WORK METHOD
4. WORK RESULTS AND SUMMARY
5. LABORATORY AND SUMMARY

- BOREHOLE LOCATION MAP
- BOREHOLE LOGS
- LABORATORY RESULTS
- PHOTOGRAPHS

**GEOLOGICAL SURVEY FOR THE STUDY
ON THE WASTE MANAGEMENT FOR
THE METROPOLITAN AREA OF
ASUNCION, REPUBLIC OF PARAGUAY.**

1. GENERAL

This report contains the results obtained in the Geological Survey for the study on the Solid Waste Management for metropolitan Area of Asunción, Republic of Paraguay carried out by the JICA Study Team.

2. LOCATION MAP

The location of borings is shown in the attached map provided by the JICA Study Team.

3. WORK METHOD

•Boring: Due to the fact that in the first boring (P1) executed, there were no cohesive soil for the laboratory tests required, a second boring(P2) was done 150 meters east from P1. In this second boring cohesive soils were obtained making possible the execution of laboratory test.

Borings P1 and P2 were executed using a manual auger, bentonitic slurry, and wash boring, making the Standard Penetration Test every meter or change of stratum.

A third boring was made for sampling undisturbed soils using a Rotative Auger, with hydraulic heading.

•Sampling: Disturbed samples were obtained every meter split tube sampler 2" OD and 1 3/8" ID following ASTM D-1586.

Undisturbed samples were obtained with a thin wall tube sampler (Shelby Type), 3" OD and 2 1/8" ID., following ASTM 1587.

It was impossible to obtain samples from 6.00m to 8.00m due to the extremely loose silt in that stratum.

•Laboratory Test: Disturbed samples were used to determine sieve analysis and Atterberg Limits in order to classify in the Unified Soil Classification System (USCS), Casagrande 1948.

Undisturbed samples were used for:

- Permeability Test
- Unconfined Compression Test
- Triaxial Shear Test
- Consolidation Test

• Permeability test was determined from the Triaxial equipment and additional pressure.

• Unconfined compression test was obtained in the Triaxial Apparatus. Detailed information is included in the respective sheet.

• Triaxial Undrained Shear Test (UU) was runned using a WYKEHAM FARRANCE Compression Machine (WF 10052), Triaxial Cell (WF 10754). Monitoring and recording of measurements were done using an PC-XT Computer.

• Consolidation Test was runned using a WYKEHAM FARRANCE EDMETER (WF 24001) and results are included in separate sheets.

4. WORK RESULTS AND SUMMARY

Borehole logs are presented indicating the Standard Penetration Test results, water level, and geological stratigraphy.

Boring P1 shows the upper 6.25m a garbage filling, then 0.40m of organic soil, from there to 17.00m , there is a very fine silty quartz sand with a very uniform penetration number (from 8 to 10). From 17.00m to the end of boring (20m) there is a rise in the penetration number going to over 50. No cohesive soil was found in this boring.

Boring P2 presents very different results from P1, both in the penetration number and the type of soil. The upper 3.00m is a garbage filling. From 3.00m To 6.00m, there is a silty sand or sandy silt with very low penetration number (from <1 to 4). From 6.0m to 8.0m there is a extremely soft organic and clayey silt (penetration number <1). From 8.0m to 11.00 a very fine silty sand and penetration number running from 5 to 10. From 11.00m to 14.30m there is a combined silty sand and sandy silt. Penetration numbers vary from 16 to >50.

5.LABORATORY RESULTS AND SUMMARY

Permeability test on cohesive soils show values ranging from 3.5×10^{-8} cm/seg. to 9.7×10^{-8} cm/seg.

Both Unconfined compression test results give values from 0.52 to 1.25 Kg/cm².

Triaxial shear test result present uniform cohesion values but different friction angle. The difference in a visual examination in the presence of kaolinitic clay that falls out of reasonable order. This means that the tested samples don't present a structural and mineralogical uniformity.

Consolidation curves present a well-defined curvature. The result of sample from 13.10m-13.65m present a higher overconsolidation ratio than the sample from 11.00m-11.30m. Sample from 0.25m-0.80m shows a normal consolidation curve.

Results for classification of soil are as follows:

Sample Number	Deep (m)	P.#200 (%)	w _L (%)	w _p (%)	I _p (%)	U.S.C.S
P2	11-11.35	93.8	41.5	18.5	23	CL
P2	13.10-13.65	100	49.2	22.6	26.6	CL
P2	6.00-6.45	61	55.1	34.1	21	OH
P1	6.25-6.65	83.2	163.2	94.2	69	OH
P1	7.00-7.45	27.1	---	---	---	SM
P1	19.55-20.00	5	---	---	---	SP-SM
P1	10.00-10.45	10.6	---	---	---	SP-SM
P2	4.00-4.45	73.9	---	---	---	ML
P2	16.00-16.45	86.2	---	---	---	ML
P2	19.00-19.45	29.9	---	---	---	SM
M3	0.25-0.80	97.3	32.8	15.2	17.6	CL

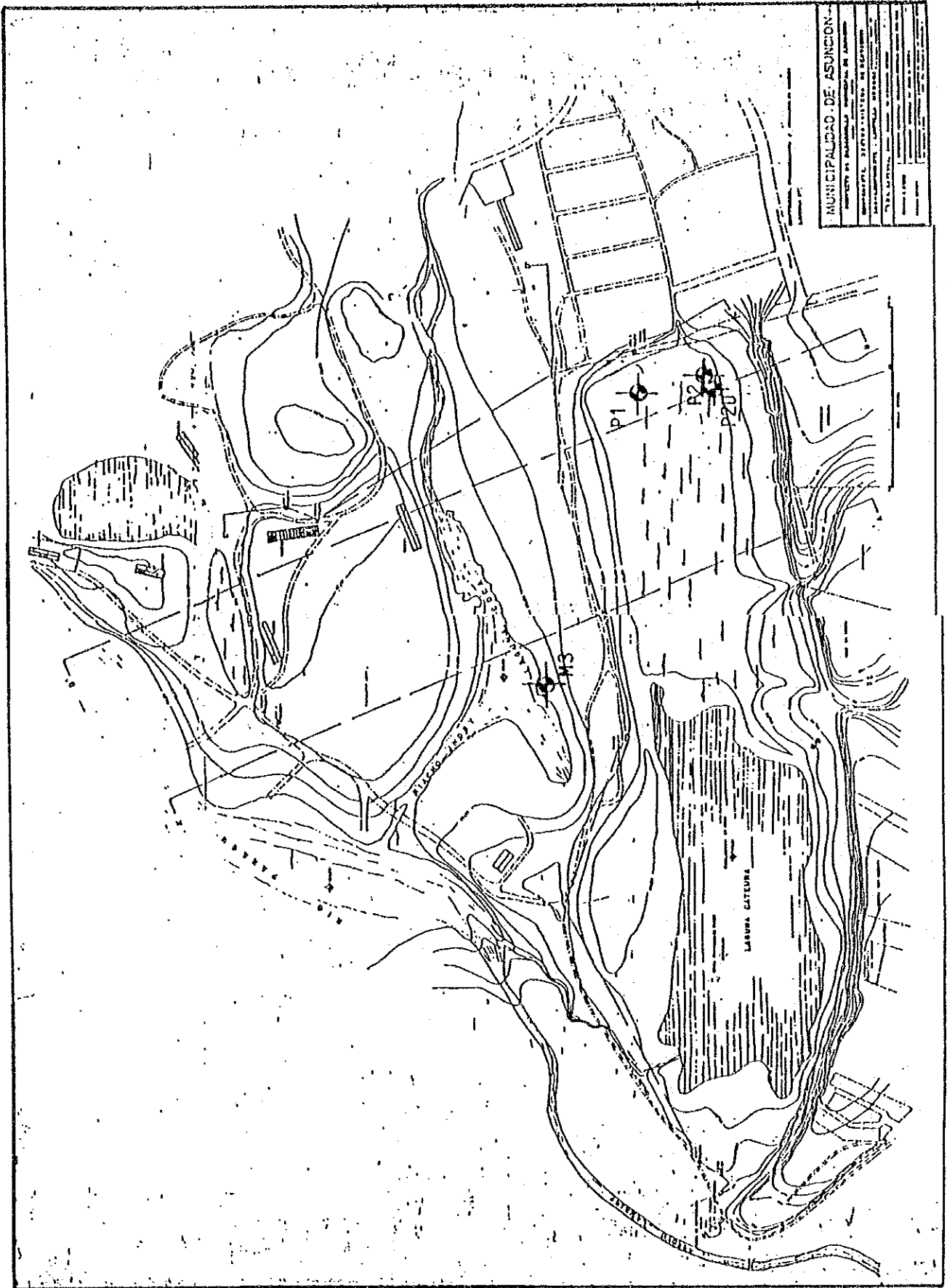
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BOREHOLE LOCATION MAP

Tte. Caballo N° 1259
Asunción-Paraguay

C - 7



Location of Boreholes

BOREHOLE LOGS

GEOTECNICA S.R.L.

CONSULTORIA Y ESTUDIOS GEOLOGICOS-GEOTECNICOS

OBRA: SOLID WASTE MANAGEMENT- ASUNCION	SONDEO Nº: P 1
UBICACION: Cateura	FECHA: 4-VIII-93
SOLICITADO POR: JICA STUDY TEAM	ELABORADO POR: PP
COTA DE REFERENCIA: --	PROF. DE PERF.: 20.00m PROF.NIV.FREATICO: 1.60m

