2-2. Solid Waste Composition
(1990, 1991)

Table 2-2-1   Solid Waste Composition(1990)

Unit:%

Class Item	Upper	Middle	Lower	Slum	Commer- cial	Market	Office	Super Market
Apparent Specific Weight(kg/ℓ)	0.189	0.265	0.263	0.253	0.148	0.274	0.058	0.063
Garbage	62.2	61.0	63.8	67.1	33.6	82.1	4.2	1.7
Paper	15.1	13.7	12.7	10.4	39.8	10.9	81.1	73.9
Textile	5.6	1.9	1.2	3.8	7.3	0.3	0.0	1.3
Plastic	7.1	7.8	8.6	6.6	9.6	3.7	7.2	20.7
Glass	2.9	4.0	3.0	1.1	4.8	0.5	3.0	1.1
Wood, Coco, Leaves	0.0	1.2	3.7	0.6	2.2	0.0	2.6	0.3
Leather, Rubber	0.0	0.1	0.8	1.9	0.6	0.9	0.0	0.0
Metal	1.5	1.4	2.7	1.6	0.9	0.7	0.9	1.0
Stone, Celamic	0.6	0.5	0.4	0.9	0.0	0.4	0.0	0.0
Others(Ash, Soil)	5.0	8.4	3.1	6.0	1.2	0.5	1.0	0.0

Table 2-2-2   Solid Waste Composition(1991)

Unit:%

Class Item	Upper	Middle	Lower	Slum	Commer- cial	Market	Office
Apparent Specific Weight(kg/ℓ)	0.235	0.238	0.244	0.243	0.116	0.236	0.074
Garbage	57.2	63.8	63.8	67.6	31.7	83.7	12.3
Paper	15.6	15.5	15.7	12.9	37.6	9.6	67.1
Textile	4.1	1.7	3.6	6.9	4.3	0.7	0.7
Plastic	8.1	10.1	8.2	8.3	8.5	4.7	12.3
Glass	5.8	4.6	2.5	1.5	3.3	0.0	3.6
Wood, Coco, Leaves	0.1	0.6	0.4	0.4	1.1	0.6	1.8
Leather, Rubber	0.5	0.8	1.4	0.9	1.7	0.0	0.0
Metal	2.7	1.3	2.0	1.4	5.0	0.7	2.2
Stone, Celamic	5.6	1.5	1.5	0.1	3.8	0.0	0.0
Others(Ash, Soil)	0.3	0.1	0.9	0.0	3.0	0.0	0.0

Table 2-2-3   Solid Waste Composition(1990,1991)

Unit:%

Class Item	Upper	Middle	Lower	Slum	Commer- cial	Market	Office	Super Market
Apparent Specific Weight(kg/ℓ)	0.212	0.252	0.254	0.248	0.132	0.255	0.066	0.063
Garbage	59.7	62.4	63.8	67.4	32.7	82.9	8.3	1.7
Paper	15.4	14.6	14.2	11.7	38.7	10.3	74.1	73.9
Textile	4.9	1.8	2.4	5.4	5.8	0.5	0.4	1.3
Plastic	7.6	9.0	8.4	7.5	9.1	4.2	9.8	20.7
Glass	4.4	4.3	2.8	1.3	4.1	0.3	3.3	1.1
Wood, Coco, Leaves	0.1	0.9	2.1	0.5	1.7	0.3	2.2	0.3
Leather, Rubber	0.3	0.5	1.1	1.4	1.2	0.5	0.0	0.0
Metal	2.1	1.4	2.4	1.5	3.0	0.7	1.6	1.0
Stone, Celamic	3.1	1.0	1.0	0.5	1.9	0.2	0.0	0.0
Others(Ash, Soil)	2.7	4.3	2.0	3.0	2.1	0.3	0.5	0.0

Table 2-2-4   Waste Composition(1990)

Unit:%

Class Item	Upper Class Family						
	1	2	3	4	5	6	Average
Apparent Specific Weight(kg/ℓ)	0.218	0.213	0.206	0.228	0.152	0.12	0.189
Garbage	68.3	65.2	64.6	68.0	56.8	49.9	62.2
Paper	15.4	13.8	20.5	14.6	12.7	13.5	15.1
Textile	0.2	0.2	1.0	0.1	20.2	12.1	5.6
Plastic	6.3	7.8	8.2	6.2	5.9	8.1	7.1
Glass	2.0	4.7	2.0	2.2	2.3	4.3	2.9
Wood, Coco, Leaves	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leather, Rubber	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Metal	0.8	2.1	3.4	1.5	0.5	0.8	1.5
Stone, Celamic	0.0	0.0	0.0	2.2	1.4	0.0	0.6
Others(Ash, Soil)	7.0	6.2	0.3	5.2	0.2	11.3	5.0

Table 2-2-5   Waste Composition(1990)

Unit:%

Class Item	Middle Class Family						
	1	2	3	4	5	6	Average
Apparent Specific Weight(kg/ℓ)	0.242	0.232	0.301	0.318	0.261	0.237	0.265
Garbage	48.6	70.6	78.0	79.5	64.4	24.7	61.0
Paper	18.8	15.3	12.4	7.6	15.3	12.7	13.7
Textile	3.8	1.8	1.8	0.3	0.9	3.0	1.9
Plastic	11.2	5.6	5.1	4.2	15.5	4.9	7.8
Glass	7.4	3.2	2.4	2.7	2.6	5.8	4.0
Wood, Coco, Leaves	2.5	1.5	0.1	3.0	0.0	0.0	1.2
Leather, Rubber	0.5	0.0	0.0	0.0	0.3	0.0	0.1
Metal	4.8	1.5	0.2	0.3	0.5	1.3	1.4
Stone, Celamic	2.4	0.5	0.0	0.0	0.0	0.0	0.5
Others(Ash, Soil)	0.0	0.0	0.0	2.4	0.5	47.6	8.4

Table 2-2-6   Waste Composition(1990)

Unit:%

Class Item	Lower Class Family						
	1	2	3	4	5	6	Average
Apparent Specific Weight(kg/ℓ)	0.27	0.282	0.227	0.182	0.352	0.267	0.263
Garbage	36.9	62.7	71.6	72.2	65.3	74.1	63.8
Paper	11.5	13.2	14.0	13.2	12.3	12.1	12.7
Textile	1.2	0.4	2.6	0.9	1.1	1.1	1.2
Plastic	14.8	7.3	6.8	7.2	8.6	7.0	8.6
Glass	6.9	2.4	1.8	0.5	2.5	3.9	3.0
Wood, Coco, Leaves	14.6	2.4	0.5	0.0	4.2	0.3	3.7
Leather, Rubber	4.5	0.1	0.0	0.0	0.0	0.0	0.8
Metal	3.1	1.6	1.8	5.8	3.5	0.4	2.7
Stone, Celamic	1.7	0.0	0.1	0.0	0.0	0.8	0.4
Others(Ash, Soil)	4.8	9.9	0.8	0.2	2.5	0.3	3.1

Table 2-2-7　　　　　　　　　　Waste Composition(1990)

Unit:%

Class\Item	Slum Class Family						
	1	2	3	4	5	6	Average
Apparent Specific Weight(kg/ℓ)	0.29	0.122	0.29	0.257	0.31	0.246	0.253
Garbage	66.0	71.5	76.7	70.1	48.7	69.6	67.1
Paper	13.5	11.5	9.8	11.0	6.6	10.1	10.4
Textile	1.0	3.8	3.4	6.4	2.0	6.2	3.8
Plastic	9.6	8.8	6.9	4.4	5.1	4.6	6.6
Glass	2.8	1.1	0.8	0.9	0.2	0.9	1.1
Wood, Coco, Leaves	0.5	0.3	0.3	0.0	0.5	2.2	0.6
Leather, Rubber	1.4	0.7	0.9	6.9	0.5	0.9	1.9
Metal	2.2	1.4	0.2	0.3	0.7	4.9	1.6
Stone, Celamic	2.5	0.9	0.9	0.0	0.6	0.4	0.9
Others(Ash, Soil)	0.5	0.0	0.1	0.0	35.1	0.2	6.0

Table 2-2-8　　　　　　　　　　Waste Composition(1990)

Unit:%

Class\Item	Commercial Waste						
	1	2	3	4	5	6	Average
Apparent Specific Weight(kg/ℓ)	0.08	0.08	0.155	0.168	0.288	0.118	0.148
Garbage	18.5	0.5	26.4	47.6	66.8	41.9	33.6
Paper	38.9	74.8	36.8	20.3	17.1	50.5	39.7
Textile	35.7	0.1	1.6	6.6	0.2	0.0	7.4
Plastic	6.1	23.6	8.0	6.2	6.2	7.6	9.6
Glass	0.0	0.0	14.9	11.0	2.6	0.0	4.8
Wood, Coco, Leaves	0.0	0.0	0.5	7.0	5.9	0.0	2.2
Leather, Rubber	0.0	0.0	3.3	0.0	0.0	0.0	0.6
Metal	0.8	1.0	1.2	1.3	1.2	0.0	0.9
Stone, Celamic	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Others(Ash, Soil)	0.0	0.0	7.3	0.0	0.0	0.0	1.2

Table 2-2-9　　　　　　　　　　Waste Composition(1990)

Unit:%

Class\Item	Market Waste						
	1	2	3	4	5	6	Average
Apparent Specific Weight(kg/ℓ)	0.267	0.245	0.31				0.274
Garbage	80.4	87.5	78.3				82.1
Paper	9.9	4.7	18.0				10.9
Textile	0.0	0.6	0.5				0.3
Plastic	4.9	4.0	2.2				3.7
Glass	1.4	0.0	0.0				0.5
Wood, Coco, Leaves	0.0	0.0	0.0				0.0
Leather, Rubber	1.4	1.4	0.0				0.9
Metal	0.9	0.7	0.5				0.7
Stone, Celamic	0.0	1.1	0.0				0.4
Others(Ash, Soil)	1.1	0.0	0.5				0.5

Table 2-2-10　　　　　　　　　Waste Composition(1990)

Unit:%

Class Item	Office Waste						
	1	2	3	4	5	6	Average
Apparent Specific Weight(kg/ℓ)	0.07	0.03	0.075				0.058
Garbage	0.5	7.0	5.0				4.2
Paper	80.9	87.4	75.0				81.1
Textile	0.0	0.0	0.0				0.0
Plastic	8.4	3.1	10.0				7.2
Glass	1.6	2.5	5.0				3.0
Wood, Coco, Leaves	7.9	0.0	0.0				2.6
Leather,Rubber	0.0	0.0	0.0				0.0
Metal	0.7	0.0	2.0				0.9
Stone,Celamic	0.0	0.0	0.0				0.0
Others(Ash,Soil)	0.0	0.0	3.0				1.0

Table 2-2-11　　　　　　　　　Waste Composition(1990)

Unit:%

Class Item	Super Market Waste						
	1	2	3	4	5	6	Average
Apparent Specific Weight(kg/ℓ)	0.059	0.075	0.075	0.08	0.06	0.03	0.063
Garbage	0.0	0.0	0.0	10.0	0.0	0.0	1.7
Paper	66.3	94.8	59.0	45.0	78.0	100.0	73.9
Textile	3.8	0.0	4.2	0.0	0.0	0.0	1.3
Plastic	27.5	4.3	34.4	45.0	13.0	0.0	20.7
Glass	0.0	0.0	0.0	0.0	6.5	0.0	1.1
Wood, Coco, Leaves	2.0	0.0	0.0	0.0	0.0	0.0	0.3
Leather,Rubber	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Metal	0.4	0.9	2.4	0.0	2.5	0.0	1.0
Stone,Celamic	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Others(Ash,Soil)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2-2-12 Waste Composition(1991)

Class Upper   Unit:%

Date Item	Tecum Uman z.15			Aeropuerto			Average
	18.Feb.	20.Feb.	22.Feb.	20.Feb.	22.Feb.	25.Feb.	
Apparent Specific Weight(kg/ℓ)	0.18	0.326	0.222	0.248	0.23	0.206	0.235
Garbage	70.2	41.3	67.1	59.6	49.1	56.7	57.2
Paper	19.7	15.9	12.8	14.9	22.7	7.5	15.6
Textile	0.3	7.6	0.6	0.0	0.5	15.8	4.1
Plastic	6.5	4.1	7.3	11.3	8.4	11.0	8.1
Glass	1.0	1.4	7.3	9.2	13.8	2.1	5.8
Wood, Coco, Leaves	0.0	0.0	0.0	0.7	0.0	0.0	0.1
Leather, Rubber	0.3	0.7	1.2	0.0	0.0	0.7	0.5
Metal	1.7	1.4	3.7	4.3	2.5	2.1	2.7
Stone, Celamic	0.0	26.9	0.0	0.0	3.0	3.4	5.6
Others(Ash, Soil)	0.3	0.7	0.0	0.0	0.0	0.7	0.3

Table 2-2-13 Waste Composition(1991)

Class Middle   Unit:%

Date Item	Las Victorias z.1			Mirador II z.11			Average
	4.Feb.	6.Feb.	8.Feb.	12.Feb.	14.Feb.	16.Feb.	
Apparent Specific Weight(kg/ℓ)	0.24	0.28	0.23	0.24	0.22	0.216	0.238
Garbage	54.1	60.3	60.2	72.3	67.9	68.3	63.8
Paper	19.0	11.2	12.0	15.4	15.4	19.8	15.5
Textile	4.4	1.2	0.6	0.3	2.8	1.1	1.7
Plastic	7.3	19.9	7.0	7.5	12.1	7.1	10.1
Glass	11.1	3.7	10.8	0.9	0.9	0.0	4.6
Wood, Coco, Leaves	0.0	2.5	0.6	0.3	0.0	0.0	0.6
Leather, Rubber	3.2	0.6	0.6	0.0	0.0	0.5	0.8
Metal	0.6	0.0	0.6	3.3	0.9	2.2	1.3
Stone, Celamic	0.3	0.6	7.6	0.0	0.0	0.5	1.5
Others(Ash, Soil)	0.0	0.0	0.0	0.0	0.0	0.5	0.1

Table 2-2-14 Waste Composition(1991)

Class Lower   Unit:%

Date Item	La Parroquia z.6			Roosevelt z.11			Average
	4.Feb.	6.Feb.	8.Feb.	12.Feb.	14.Feb.	16.Feb.	
Apparent Specific Weight(kg/ℓ)	0.28	0.27	0.222	0.226	0.222	0.246	0.244
Garbage	61.1	70.2	73.7	41.2	75.3	61.3	63.8
Paper	23.7	16.4	8.2	22.0	11.8	12.3	15.7
Textile	1.4	1.5	1.4	2.8	0.5	14.1	3.6
Plastic	6.9	7.5	9.2	7.1	10.9	7.5	8.2
Glass	1.8	0.0	1.8	8.5	0.5	2.2	2.5
Wood, Coco, Leaves	0.0	0.0	0.3	1.4	0.5	0.4	0.4
Leather, Rubber	0.0	1.5	0.0	7.1	0.0	0.0	1.4
Metal	1.4	2.2	0.3	6.4	0.5	0.9	2.0
Stone, Celamic	3.7	0.0	2.7	2.8	0.0	0.0	1.5
Others(Ash, Soil)	0.0	0.7	2.4	0.7	0.0	1.3	0.9

Table 2-2-15   Waste Composition(1991)

Class   Slum   Unit:%

Date Item	Lourdes. z.5			Trindad z.1			Average
	30.Jan.	1.Feb.	5.Feb.	30.Jan.	1.Feb.	5.Feb.	
Apparent Specific Weight(kg/ℓ)	0.194	0.298	0.3	0.296	0.162	0.21	0.243
Garbage	84.9	79.9	67.0	65.5	59.1	49.0	67.6
Paper	4.2	11.5	21.7	12.0	18.9	9.1	12.9
Textile	2.4	0.4	0.7	1.1	4.3	32.3	6.9
Plastic	5.2	6.1	4.6	16.4	11.0	6.5	8.3
Glass	2.1	0.4	0.7	0.0	4.9	0.9	1.5
Wood, Coco, Leaves	0.7	0.4	0.0	0.0	0.0	1.3	0.4
Leather,Rubber	0.0	0.9	2.6	1.6	0.6	0.0	0.9
Metal	0.5	0.4	2.0	3.3	1.2	0.9	1.4
Stone,Celamic	0.0	0.0	0.7	0.1	0.0	0.0	0.1
Others(Ash,Soil)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2-2-16   Waste Composition(1991)

Class   Commercial   Unit:%

Date Item	EL Centro z.1			Centro Com. Montifar z.9			Average
	5.Feb.	7.Feb.	9.Feb.	11.Feb.	13.Feb.	15.Feb.	
Apparent Specific Weight(kg/ℓ)	0.156	0.208	0.118	0.04	0.07	0.106	0.116
Garbage	35.0	52.6	25.7	0.0	43.0	34.3	31.7
Paper	15.7	18.3	24.3	100.0	25.3	42.1	37.6
Textile	0.7	3.3	10.3	0.0	7.6	3.9	4.3
Plastic	7.9	15.0	5.9	0.0	10.1	11.8	8.5
Glass	2.2	5.8	2.9	0.0	7.6	1.3	3.3
Wood, Coco, Leaves	0.7	2.5	2.2	0.0	0.0	1.3	1.1
Leather,Rubber	0.7	0.0	9.6	0.0	0.0	0.0	1.7
Metal	10.0	0.8	10.3	0.0	3.8	5.3	5.0
Stone,Celamic	11.4	1.7	8.1	0.0	1.3	0.0	3.8
Others(Ash,Soil)	15.7	0.0	0.7	0.0	1.3	0.0	3.0

Table 2-2-17   Waste Composition(1991)

Class Market   Unit:%

Date / Item	Mercado SUR-2 z.4						Average
	29.Jam.	31.Jam.	2.Feb.				
Apparent Specific Weight(kg/ℓ)	0.296	0.196	0.216				0.236
Garbage	94.5	78.0	78.7				83.7
Paper	2.7	13.9	12.1				9.6
Textile	1.2	0.3	0.7				0.7
Plastic	1.6	6.0	6.4				4.7
Glass	0.0	0.0	0.0				0.0
Wood, Coco, Leaves	0.0	1.2	0.7				0.6
Leather,Rubber	0.0	0.0	0.0				0.0
Metal	0.0	0.6	1.4				0.7
Stone,Celamic	0.0	0.0	0.0				0.0
Others(Ash,Soil)	0.0	0.0	0.0				0.0

Table 2-2-18   Waste Composition(1991)

Class Office   Unit:%

Date / Item	Centro Empersarid z.10						Average
	11.Feb.	13.Feb.	15.Feb.				
Apparent Specific Weight(kg/ℓ)	0.066	0.08	0.076				0.074
Garbage	1.0	22.2	13.6				12.3
Paper	81.7	60.2	59.3				67.1
Textile	1.0	0.0	1.2				0.7
Plastic	8.2	7.7	21.0				12.3
Glass	2.0	7.7	1.2				3.6
Wood, Coco, Leaves	4.1	0.0	1.2				1.8
Leather,Rubber	0.0	0.0	0.0				0.0
Metal	2.0	2.2	2.5				2.2
Stone,Celamic	0.0	0.0	0.0				0.0
Others(Ash,Soil)	0.0	0.0	0.0				0.0

DATA FILE

Table   Projection of Future Population by Zones of Study Area

Zone and City	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1	50,737	49,825	48,913	48,001	47,089	46,177	45,265	44,353	43,441	42,529	41,620
2	24,545	25,192	25,839	26,486	27,133	27,780	28,427	29,074	29,721	30,368	31,015
3	48,756	48,683	48,610	48,537	48,464	48,391	48,318	48,245	48,172	48,099	48,023
4	4,256	4,221	4,186	4,151	4,116	4,081	4,046	4,011	3,976	3,941	3,902
5	83,711	83,894	84,077	84,260	84,443	84,626	84,809	84,992	85,175	85,358	85,541
6	90,829	91,551	92,273	92,995	93,717	94,439	95,161	95,883	96,605	97,327	98,047
7	180,484	185,347	190,210	195,073	199,936	204,799	209,662	214,525	219,388	224,251	229,109
8	20,687	20,519	20,351	20,183	20,015	19,847	19,679	19,511	19,343	19,175	19,009
9	3,988	3,889	3,790	3,691	3,592	3,493	3,394	3,295	3,196	3,097	3,001
10	15,167	15,101	15,035	14,969	14,903	14,837	14,771	14,705	14,639	14,573	14,507
11	66,311	68,084	69,857	71,630	73,403	75,176	76,949	78,722	80,495	82,268	84,040
12	50,234	51,314	52,394	53,474	54,554	55,634	56,714	57,794	58,874	59,954	61,029
13	35,860	36,676	37,492	38,308	39,124	39,940	40,756	41,572	42,388	43,204	44,021
14	24,832	25,650	26,468	27,286	28,104	28,922	29,740	30,558	31,376	32,194	33,016
15	22,888	24,051	25,214	26,377	27,540	28,703	29,866	31,029	32,192	33,355	34,516
16	12,948	14,955	16,962	18,969	20,976	22,983	24,990	26,997	29,004	31,011	33,016
17	17,268	19,943	22,618	25,293	27,968	30,643	33,318	35,993	38,668	41,343	44,021
18	205,253	213,541	221,829	230,117	238,405	246,693	254,981	263,269	271,557	279,845	288,137
19	37,029	37,328	37,627	37,926	38,225	38,524	38,823	39,122	39,421	39,720	40,019
21	64,510	66,563	68,616	70,669	72,722	74,775	76,828	78,881	80,934	82,987	85,041
24	8,869	9,083	9,297	9,511	9,725	9,939	10,153	10,367	10,581	10,795	11,005
25	7,563	7,707	7,851	7,995	8,139	8,283	8,427	8,571	8,715	8,659	9,004
Mixco	328,854	347,918	366,982	386,046	405,110	424,174	443,238	462,302	481,366	500,430	519,490
Villa Nueva	46,642	49,819	52,996	56,173	59,350	62,527	65,704	68,881	72,058	75,235	78,408
Villa Canales	24,731	25,454	26,177	26,900	27,623	28,346	29,069	29,792	30,515	31,238	31,963
S.C.Pinula	18,598	19,330	20,062	20,794	21,526	22,258	22,990	23,722	24,454	25,186	25,916
Chinautla	36,240	37,656	39,072	40,488	41,904	43,320	44,736	46,152	47,568	48,984	50,398
Total	1,531,790	1,583,294	1,634,798	1,686,302	1,737,806	1,789,310	1,840,814	1,892,318	1,943,822	1,995,326	2,046,814

Table

Classified Population Rate(1990)

Zone	High %	High Population	Middle %	Middle Population	Low %	Low Population	Slum %	Slum Population	Total Population
1	5	2,537	55	27,905	20	10,147	20	10,147	50,737
2	0	0	70	17,182	30	7,364	0	0	24,545
3	0	0	60	29,254	20	9,751	20	9,751	48,756
4	0	0	90	3,830	10	426	0	0	4,256
5	0	0	45	37,670	45	37,670	10	8,371	83,711
6	0	0	50	45,415	30	27,249	20	18,166	90,829
7	0	0	70	126,339	20	36,097	10	18,048	180,484
8	0	0	50	10,344	50	10,344	0	0	20,687
9	65	2,592	35	1,396	0	0	0	0	3,988
10	85	12,892	15	2,275	0	0	0	0	15,167
11	10	6,631	90	59,680	0	0	0	0	66,311
12	25	12,559	60	30,140	15	7,535	0	0	50,234
13	30	10,758	50	17,930	20	7,172	0	0	35,860
14	85	21,107	10	2,483	5	1,242	0	0	24,832
15	80	18,310	10	2,289	10	2,289	0	0	22,888
16	0	0	50	6,474	50	6,474	0	0	12,948
17	0	0	60	10,361	40	6,907	0	0	17,268
18	0	0	55	112,889	30	61,576	15	30,788	205,253
19	0	0	50	18,514	50	18,515	0	0	37,029
21	0	0	70	45,157	30	19,353	0	0	64,510
24	0	0	70	6,208	30	2,661	0	0	8,869
25	0	0	50	3,782	50	3,782	0	0	7,563
Mixco	5	16,443	35	115,099	35	115,099	25	82,214	328,854
Villa Nueva	0	0	50	23,321	50	23,321	0	0	46,642
Villa Canales	0	0	50	12,366	50	12,366	0	0	24,731
S.C.Pinula	0	0	75	13,949	25	4,650	0	0	18,598
Chinautla	0	0	40	14,496	60	21,744	0	0	36,240
Total		103,829		796,748		453,734		177,485	1,531,790

Table   Classified Population Rate(1991)

Zone	High %	High Population	Middle %	Middle Population	Low %	Low Population	Slum %	Slum Population	Total Population
1	5	2,491	55.5	27,653	19	9,467	20.5	10,214	49,825
2	0	0	70.5	17,760	29.5	7,432	0	0	25,192
3	0	0	60.5	29,453	19	9,250	20.5	9,980	48,683
4	0	0	90.5	3,820	9.5	401	0	0	4,221
5	0	0	45.5	38,172	44	36,913	10.5	8,809	83,894
6	0	0	50.5	46,233	29	26,550	20.5	18,768	91,551
7	0	0	70.5	130,670	19	35,216	10.5	19,461	185,347
8	0	0	50.5	10,362	49.5	10,157	0	0	20,519
9	65	2,528	35	1,361	0	0	0	0	3,889
10	85	12,836	15	2,265	0	0	0	0	15,101
11	10	6,808	90	61,276	0	0	0	0	68,084
12	25	12,829	60.5	31,045	14.5	7,441	0	0	51,314
13	30	11,003	50.5	18,521	19.5	7,152	0	0	36,676
14	85	21,803	10.5	2,693	4.5	1,154	0	0	25,650
15	80	19,241	10.5	2,525	9.5	2,285	0	0	24,051
16	0	0	50.5	7,552	49.5	7,403	0	0	14,955
17	0	0	60.5	12,066	39.5	7,877	0	0	19,943
18	0	0	55.5	118,515	29	61,927	15.5	33,099	213,541
19	0	0	50.5	18,851	49.5	18,477	0	0	37,328
21	0	0	70.5	46,927	29.5	19,636	0	0	66,563
24	0	0	70.5	6,404	29	2,634	0.5	45	9,083
25	0	0	50.5	3,892	49.5	3,815	0	0	7,707
Mixco	5	17,396	35.5	123,511	34	118,292	25.5	88,719	347,918
Villa Nueva	0	0	50.5	25,159	49.5	24,660	0	0	49,819
Villa Canales	0	0	50.5	12,854	49.5	12,600	0	0	25,454
S.C.Pinula	0	0	75.5	14,594	24.5	4,736	0	0	19,330
Chinautla	0	0	40.5	15,251	59.5	22,405	0	0	37,656
Total		106,935		829,385		457,880		189,095	1,583,294

Table

Classified Population Rate(1992)

Zone	High %	High Population	Middle %	Middle Population	Low %	Low Population	Slum %	Slum Population	Total Population
1	5	2,446	56	27,391	18	8,804	21	10,272	48,913
2	0	0	71	18,346	29	7,493	0	0	25,839
3	0	0	61	29,652	18	8,750	21	10,208	48,610
4	0	0	91	3,809	9	377	0	0	4,186
5	0	0	46	38,675	43	36,153	11	9,248	84,077
6	0	0	51	47,059	28	25,836	21	19,377	92,273
7	0	0	71	135,049	18	34,238	11	20,923	190,210
8	0	0	51	10,379	49	9,972	0	0	20,351
9	65	2,464	35	1,327	0	0	0	0	3,790
10	85	12,780	15	2,255	0	0	0	0	15,035
11	10	6,986	90	62,871	0	0	0	0	69,857
12	25	13,099	61	31,960	14	7,335	0	0	52,394
13	30	11,248	51	19,121	19	7,123	0	0	37,492
14	85	22,498	11	2,911	4	1,059	0	0	26,468
15	80	20,171	11	2,774	9	2,269	0	0	25,214
16	0	0	51	8,651	49	8,311	0	0	16,962
17	0	0	61	13,797	39	8,821	0	0	22,618
18	0	0	56	124,224	28	62,112	16	35,493	221,829
19	0	0	51	19,190	49	18,437	0	0	37,627
21	0	0	71	48,717	29	19,899	0	0	68,616
24	0	0	71	6,601	28	2,603	1	93	9,297
25	0	0	51	4,004	49	3,847	0	0	7,851
Mixco	5	18,349	36	132,114	33	121,104	26	95,415	366,982
Villa Nueva	0	0	51	27,028	49	25,968	0	0	52,996
Villa Canales	0	0	51	13,350	49	12,827	0	0	26,177
S.C.Pinula	0	0	76	15,247	24	4,815	0	0	20,062
Chinautla	0	0	41	16,020	59	23,052	0	0	39,072
Total		110,041		862,522		461,205		201,029	1,634,798

Table

Classified Population Rate(1993)

Zone	High %	High Population	Middle %	Middle Population	Low %	Low Population	Slum %	Slum Population	Total Population
1	5	2,400	56.5	27,121	17	8,160	21.5	10,320	48,001
2	0	0	71.5	18,937	28.5	7,549	0	0	26,486
3	0	0	61.5	29,850	17	8,251	21.5	10,435	48,537
4	0	0	91.5	3,798	8.5	353	0	0	4,151
5	0	0	46.5	39,181	42	35,389	11.5	9,690	84,260
6	0	0	51.5	47,892	27	25,109	21.5	19,994	92,995
7	0	0	71.5	139,477	17	33,162	11.5	22,433	195,073
8	0	0	51.5	10,394	48.5	9,789	0	0	20,183
9	65	2,399	35	1,292	0	0	0	0	3,691
10	85	12,724	15	2,245	0	0	0	0	14,969
11	10	7,163	90	64,467	0	0	0	0	71,630
12	25	13,369	61.5	32,887	13.5	7,219	0	0	53,474
13	30	11,492	51.5	19,729	18.5	7,087	0	0	38,308
14	85	23,193	11.5	3,138	3.5	955	0	0	27,286
15	80	21,102	11.5	3,033	8.5	2,242	0	0	26,377
16	0	0	51.5	9,769	48.5	9,200	0	0	18,969
17	0	0	61.5	15,555	38.5	9,738	0	0	25,293
18	0	0	56.5	130,016	27	62,132	16.5	37,969	230,117
19	0	0	51.5	19,532	48.5	18,394	0	0	37,926
21	0	0	71.5	50,528	28.5	20,141	0	0	70,669
24	0	0	71.5	6,800	27	2,568	1.5	143	9,511
25	0	0	51.5	4,117	48.5	3,878	0	0	7,995
Mixco	5	19,302	36.5	140,907	32	123,535	26.5	102,302	386,046
Villa Nueva	0	0	51.5	28,929	48.5	27,244	0	0	56,173
Villa Canales	0	0	51.5	13,854	48.5	13,047	0	0	26,900
S.C.Pinula	0	0	76.5	15,907	23.5	4,887	0	0	20,794
Chinautla	0	0	41.5	16,803	58.5	23,685	0	0	40,488
Total		113,144		896,158		463,714		213,286	1,686,302

Table

Classified Population Rate(1994)

Zone	High %	High Population	Middle %	Middle Population	Low %	Low Population	Slum %	Slum Population	Total Population
1	5	2,354	57	26,841	16	7,534	22	10,360	47,089
2	0	0	72	19,536	28	7,597	0	0	27,133
3	0	0	62	30,048	16	7,754	22	10,662	48,464
4	0	0	92	3,787	8	329	0	0	4,116
5	0	0	47	39,688	41	34,622	12	10,133	84,443
6	0	0	52	48,733	26	24,366	22	20,618	93,717
7	0	0	72	143,954	16	31,990	12	23,992	199,936
8	0	0	52	10,408	48	9,607	0	0	20,015
9	65	2,335	35	1,257	0	0	0	0	3,592
10	85	12,668	15	2,235	0	0	0	0	14,903
11	10	7,340	90	66,063	0	0	0	0	73,403
12	25	13,639	62	33,823	13	7,092	0	0	54,554
13	30	11,737	52	20,344	18	7,042	0	0	39,124
14	85	23,888	12	3,372	3	843	0	0	28,104
15	80	22,032	12	3,305	8	2,203	0	0	27,540
16	0	0	52	10,908	48	10,068	0	0	20,976
17	0	0	62	17,340	38	10,628	0	0	27,968
18	0	0	57	135,891	26	61,985	17	40,529	238,405
19	0	0	52	19,877	48	18,348	0	0	38,225
21	0	0	72	52,360	28	20,362	0	0	72,722
24	0	0	72	7,002	26	2,529	2	195	9,725
25	0	0	52	4,232	48	3,907	0	0	8,139
Mixco	5	20,256	37	149,891	31	125,584	27	109,380	405,110
Villa Nueva	0	0	52	30,862	48	28,488	0	0	59,350
Villa Canales	0	0	52	14,364	48	13,259	0	0	27,623
S.C.Pinula	0	0	77	16,575	23	4,951	0	0	21,526
Chinautla	0	0	42	17,600	58	24,304	0	0	41,904
Total		116,249		930,296		465,392		225,869	1,737,806

Table

Classified Population Rate(1995)

Zone	High %	High Population	Middle %	Middle Population	Low %	Low Population	Slum %	Slum Population	Total Population
1	5	2,309	57.5	26,552	15	6,927	22.5	10,390	46,177
2	0	0	72.5	20,141	27.5	7,640	0	0	27,780
3	0	0	62.5	30,244	15	7,259	22.5	10,888	48,391
4	0	0	92.5	3,775	7.5	306	0	0	4,081
5	0	0	47.5	40,197	40	33,850	12.5	10,578	84,626
6	0	0	52.5	49,580	25	23,610	22.5	21,249	94,439
7	0	0	72.5	148,479	15	30,720	12.5	25,600	204,799
8	0	0	52.5	10,420	47.5	9,427	0	0	19,847
9	65	2,270	35	1,223	0	0	0	0	3,493
10	85	12,611	15	2,226	0	0	0	0	14,837
11	10	7,518	90	67,658	0	0	0	0	75,176
12	25	13,909	62.5	34,771	12.5	6,954	0	0	55,634
13	30	11,982	52.5	20,969	17.5	6,990	0	0	39,940
14	85	24,584	12.5	3,615	2.5	723	0	0	28,922
15	80	22,962	12.5	3,588	7.5	2,153	0	0	28,703
16	0	0	52.5	12,066	47.5	10,917	0	0	22,983
17	0	0	62.5	19,152	37.5	11,491	0	0	30,643
18	0	0	57.5	141,848	25	61,673	17.5	43,171	246,693
19	0	0	52.5	20,225	47.5	18,299	0	0	38,524
21	0	0	72.5	54,212	27.5	20,563	0	0	74,775
24	0	0	72.5	7,206	25	2,485	2.5	248	9,939
25	0	0	52.5	4,349	47.5	3,934	0	0	8,283
Mixco	5	21,209	37.5	159,065	30	127,252	27.5	116,648	424,174
Villa Nueva	0	0	52.5	32,827	47.5	29,700	0	0	62,527
Villa Canales	0	0	52.5	14,882	47.5	13,464	0	0	28,346
S.C.Pinula	0	0	77.5	17,250	22.5	5,008	0	0	22,258
Chinautla	0	0	42.5	18,411	57.5	24,909	0	0	43,320
Total		119,354		964,931		466,254		238,772	1,789,310

Table

Classified Population Rate(1996)

Zone	High %	High Population	Middle %	Middle Population	Low %	Low Population	Slum %	Slum Population	Total Population
1	5	2,263	58	26,254	14	6,337	23	10,411	45,265
2	0	0	73	20,752	27	7,675	0	0	28,427
3	0	0	63	30,440	14	6,765	23	11,113	48,318
4	0	0	93	3,763	7	283	0	0	4,046
5	0	0	48	40,708	39	33,076	13	11,025	84,809
6	0	0	53	50,435	24	22,839	23	21,887	95,161
7	0	0	73	153,053	14	29,353	13	27,256	209,662
8	0	0	53	10,430	47	9,249	0	0	19,679
9	65	2,206	35	1,188	0	0	0	0	3,394
10	85	12,555	15	2,216	0	0	0	0	14,771
11	10	7,695	90	69,254	0	0	0	0	76,949
12	25	14,179	63	35,730	12	6,806	0	0	56,714
13	30	12,227	53	21,601	17	6,929	0	0	40,756
14	85	25,279	13	3,866	2	595	0	0	29,740
15	80	23,893	13	3,883	7	2,091	0	0	29,866
16	0	0	53	13,245	47	11,745	0	0	24,990
17	0	0	63	20,990	37	12,328	0	0	33,318
18	0	0	58	147,889	24	61,195	18	45,897	254,981
19	0	0	53	20,576	47	18,247	0	0	38,823
21	0	0	73	56,084	27	20,744	0	0	76,828
24	0	0	73	7,412	24	2,437	3	305	10,153
25	0	0	53	4,466	47	3,961	0	0	8,427
Mixco	5	22,162	38	168,430	29	128,539	28	124,107	443,238
Villa Nueva	0	0	53	34,823	47	30,881	0	0	65,704
Villa Canales	0	0	53	15,407	47	13,662	0	0	29,069
S.C.Pinula	0	0	78	17,932	22	5,058	0	0	22,990
Chinautla	0	0	43	19,236	57	25,500	0	0	44,736
Total		122,459		1,000,063		466,295		252,001	1,840,814

Table   Classified Population Rate(1997)

Zone	High %	High Population	Middle %	Middle Population	Low %	Low Population	Slum %	Slum Population	Total Population
1	5	2,218	58.5	25,947	13	5,766	23.5	10,423	44,353
2	0	0	73.5	21,369	26.5	7,705	0	0	29,074
3	0	0	53.5	30,636	13	6,272	23.5	11,338	48,245
4	0	0	93.5	3,750	6.5	261	0	0	4,011
5	0	0	48.5	41,221	38	32,297	13.5	11,474	84,992
6	0	0	53.5	51,297	23	22,053	23.5	22,533	95,883
7	0	0	73.5	157,676	13	27,888	13.5	28,961	214,525
8	0	0	53.5	10,438	46.5	9,073	0	0	19,511
9	65	2,142	35	1,153	0	0	0	0	3,295
10	85	12,499	15	2,206	0	0	0	0	14,705
11	10	7,872	90	70,850	0	0	0	0	78,722
12	25	14,449	53.5	36,699	11.5	6,646	0	0	57,794
13	30	12,472	53.5	22,241	16.5	6,859	0	0	41,572
14	85	25,974	13.5	4,125	1.5	458	0	0	30,558
15	80	24,823	13.5	4,189	6.5	2,017	0	0	31,029
16	0	0	53.5	14,443	46.5	12,554	0	0	26,997
17	0	0	63.5	22,856	36.5	13,137	0	0	35,993
18	0	0	58.5	154,012	23	60,552	18.5	48,705	263,269
19	0	0	53.5	20,930	46.5	18,192	0	0	39,122
21	0	0	73.5	57,978	26.5	20,903	0	0	78,881
24	0	0	73.5	7,620	23	2,384	3.5	363	10,367
25	0	0	53.5	4,585	46.5	3,986	0	0	8,571
Mixco	5	23,115	38.5	177,986	28	129,445	28.5	131,756	462,302
Villa Nueva	0	0	53.5	36,851	46.5	32,030	0	0	68,881
Villa Canales	0	0	53.5	15,939	46.5	13,853	0	0	29,792
S.C.Pinula	0	0	78.5	18,622	21.5	5,100	0	0	23,722
Chinautla	0	0	43.5	20,076	56.5	26,076	0	0	46,152
Total		125,564		1,035,695		465,507		265,553	1,892,318

Table

Classified Population Rate(1998)

Zone	High %	High Population	Middle %	Middle Population	Low %	Low Population	Slum %	Slum Population	Total Population
1	5	2,172	59	25,630	12	5,213	24	10,426	43,441
2	0	0	74	21,994	26	7,727	0	0	29,721
3	0	0	64	30,830	12	5,781	24	11,561	48,172
4	0	0	94	3,737	6	239	0	0	3,976
5	0	0	49	41,736	37	31,515	14	11,925	85,175
6	0	0	54	52,167	22	21,253	24	23,185	96,605
7	0	0	74	162,347	12	26,327	14	30,714	219,388
8	0	0	54	10,445	46	8,898	0	0	19,343
9	65	2,077	35	1,119	0	0	0	0	3,196
10	85	12,443	15	2,196	0	0	0	0	14,639
11	10	8,050	90	72,446	0	0	0	0	80,495
12	25	14,719	64	37,679	11	6,476	0	0	58,874
13	30	12,716	54	22,890	16	6,782	0	0	42,388
14	85	26,670	14	4,393	1	314	0	0	31,376
15	80	25,754	14	4,507	6	1,932	0	0	32,192
16	0	0	54	15,662	46	13,342	0	0	29,004
17	0	0	64	24,748	36	13,920	0	0	38,668
18	0	0	59	160,219	22	59,743	19	51,596	271,557
19	0	0	54	21,287	46	18,134	0	0	39,421
21	0	0	74	59,891	26	21,043	0	0	80,934
24	0	0	74	7,830	22	2,328	4	423	10,581
25	0	0	54	4,706	46	4,009	0	0	8,715
Mixco	5	24,068	39	187,733	27	129,969	29	139,596	481,366
Villa Nueva	0	0	54	38,911	46	33,147	0	0	72,058
Villa Canales	0	0	54	16,478	46	14,037	0	0	30,515
S.C.Pinula	0	0	79	19,319	21	5,135	0	0	24,454
Chinautla	0	0	44	20,930	56	26,638	0	0	47,568
Total		128,669		1,071,830		463,902		279,426	1,943,822

Table

Classified Population Rate(1999)

Zone	High %	High Population	Middle %	Middle Population	Low %	Low Population	Slum %	Slum Population	Total Population
1	5	2,126	59.5	25,305	11	4,678	24	10,420	42,529
2	0	0	74.5	22,624	25.5	7,744	0	0	30,368
3	0	0	64.5	31,024	11	5,291	24	11,784	48,099
4	0	0	94.5	3,724	5.5	217	0	0	3,941
5	0	0	49.5	42,252	36	30,729	14	12,377	85,358
6	0	0	54.5	53,043	21	20,439	24	23,845	97,327
7	0	0	74.5	167,067	11	24,668	14	32,516	224,251
8	0	0	54.5	10,450	45.5	8,725	0		19,175
9	65	2,013	35	1,084	0	0	0		3,097
10	85	12,387	15	2,186	0	0	0		14,573
11	10	8,227	90	74,041	0	0	0		82,268
12	25	14,989	64.5	38,670	10.5	6,295	0		59,954
13	30	12,961	54.5	23,546	15.5	6,697	0		43,204
14	85	27,365	14.5	4,668	0.5	161	0		32,194
15	80	26,684	14.5	4,836	5.5	1,835	0		33,355
16	0	0	54.5	16,901	45.5	14,110	0		31,011
17	0	0	54.5	26,666	35.5	14,677	0		41,343
18	0	0	59.5	166,508	21	58,767	19	54,570	279,845
19	0	0	54.5	21,647	45.5	18,073	0		39,720
21	0	0	74.5	61,825	25.5	21,162	0		82,987
24	0	0	74.5	8,042	21	2,267	4	486	10,795
25	0	0	54.5	4,828	45.5	4,031	0		8,859
Mixco	5	25,022	39.5	197,670	26	130,112	29	147,627	500,430
Villa Nueva	0	0	54.5	41,003	45.5	34,232	0	0	75,235
Villa Canales	0	0	54.5	17,025	45.5	14,213	0	0	31,238
S.C.Pinula	0	0	79.5	20,023	20.5	5,163	0	0	25,186
Chinautla	0	0	44.5	21,798	55.5	27,186	0	0	48,984
Total		131,774		1,108,456		461,472		293,625	1,995,326

Table

Classified Population Rate(2000)

Zone	High		Middle		Low		Slum		Total
	%	Population	%	Population	%	Population	%	Population	Population
1	5	2,081	60	24,972	10	4,162	25	10,405	41,620
2	0		75	23,261	25	7,754	0	0	31,015
3	0		65	31,215	10	4,802	25	12,006	48,023
4	0		95	3,707	5	195	0	0	3,902
5	0		50	42,771	35	29,939	15	12,831	85,541
6	0		55	53,926	20	19,609	25	24,512	98,047
7	0		75	171,832	10	22,911	15	34,366	229,109
8	0		55	10,455	45	8,554	0		19,009
9	65	1,951	35	1,050	0	0	0	0	3,001
10	85	12,331	15	2,176	0	0	0	0	14,507
11	10	8,404	90	75,636	0	0	0	0	84,040
12	25	15,257	65	39,669	10	6,103	0	0	61,029
13	30	13,206	55	24,212	15	6,603	0	0	44,021
14	85	28,064	15	4,952	0	0	0	0	33,016
15	80	27,613	15	5,177	5	1,726	0	0	34,516
16	0	0	55	18,159	45	14,857	0	0	33,016
17	0	0	65	28,614	35	15,407	0	0	44,021
18	0	0	60	172,882	20	57,627	20	57,627	288,137
19	0	0	55	22,010	45	18,009	0	0	40,019
21	0	0	75	63,781	25	21,260	0	0	85,041
24	0	0	75	8,254	20	2,201	5	550	11,005
25	0	0	55	4,952	45	4,052	0	0	9,004
Mixco	5	25,975	40	207,796	25	129,873	30	155,847	519,490
Villa Nueva	0	0	55	43,124	45	35,284	0	0	78,408
Villa Canales	0	0	55	17,580	45	14,383	0	0	31,963
S.C.Pinula	0	0	80	20,733	20	5,183	0	0	25,916
Chinautla	0	0	45	22,679	55	27,719	0	0	50,398
Total		134,882		1,145,575		458,213		308,144	2,046,814

DATA FILE

Table

Anual Solid Waste Generation

Unit:ton/day

Zone and City	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1	26.26	26.39	26.49	26.56	26.59	26.74	26.71	26.65	26.56	26.45	26.31
2	13.73	14.46	15.20	15.96	16.73	17.61	18.40	19.21	20.04	20.87	21.72
3	24.74	25.28	25.81	26.32	26.83	27.47	27.94	28.41	28.87	29.32	29.75
4	2.39	2.44	2.48	2.51	2.55	2.60	2.63	2.66	2.69	2.72	2.75
5	44.40	45.55	46.68	47.79	48.89	50.24	51.31	52.36	53.41	54.44	55.46
6	45.95	47.40	48.84	50.28	51.72	53.44	54.87	56.30	57.72	59.14	60.55
7	96.41	101.34	106.35	111.42	116.58	122.45	127.75	133.12	138.56	144.05	149.60
8	11.51	11.72	11.91	12.09	12.27	12.51	12.67	12.82	12.97	13.11	13.24
9	2.78	2.78	2.78	2.76	2.75	2.75	2.73	2.71	2.68	2.64	2.61
10	11.17	11.41	11.65	11.87	12.09	12.37	12.58	12.78	12.98	13.17	13.36
11	38.75	40.81	42.91	45.05	47.23	49.72	51.98	54.28	56.61	58.99	61.39
12	30.77	32.25	33.74	35.27	36.82	38.59	40.19	41.81	43.45	45.11	46.79
13	22.30	23.40	24.52	25.65	26.81	28.13	29.32	30.53	31.76	33.01	34.27
14	18.27	19.36	20.48	21.62	22.78	24.10	25.31	26.55	27.81	29.09	30.40
15	16.59	17.89	19.21	20.59	22.00	23.56	25.05	26.56	28.11	29.70	31.31
16	7.21	8.54	9.93	11.37	12.86	14.49	16.09	17.74	19.45	21.20	23.00
17	9.64	11.42	13.27	15.20	17.20	19.37	21.51	23.72	26.00	28.34	30.75
18	106.59	113.49	120.55	127.75	135.10	143.34	150.98	158.74	166.63	174.65	182.78
19	20.61	21.31	22.02	22.73-	23.44	24.28	25.00	25.71	26.43	27.16	27.88
21	36.09	38.21	40.37	42.58	44.83	47.39	49.74	52.13	54.57	57.04	59.56
24	4.96	5.20	5.45	5.69	5.94	6.23	6.48	6.74	7.00	7.27	7.53
25	4.21	4.40	4.59	4.79	4.99	5.22	5.43	5.63	5.84	6.06	6.27
Mixco	165.05	178.70	192.72	207.08	221.80	238.12	253.53	269.25	285.29	301.63	318.24
Villa Nueva	25.96	28.44	31.01	33.66	36.39	39.41	42.31	45.27	48.32	51.44	54.62
Villa Canales	13.76	14.53	15.32	16.12	16.94	17.87	18.72	19.58	20.46	21.36	22.27
S.C.Pinula	10.42	11.11	11.82	12.54	13.29	14.12	14.90	15.70	16.51	17.34	18.18
Chinautla	20.11	21.44	22.80	24.20	25.63	27.23	28.73	30.25	31.81	33.40	35.02
Total	830.64	879.25	928.90	979.44	1,031.05	1,089.36	1,142.86	1,197.24	1,252.56	1,308.70	1,365.63

Table   Classified Solid Waste Generation(1990)

Unit : Ton/Day

Zone	High ×0.767kg/C.D	Middle ×0.564kg/C.D	Low ×0.549kg/C.D	Slum ×0.296kg/C.D	Total
1	1.95	15.74	5.57	3.00	26.26
2	0.00	9.69	4.04	0.00	13.73
3	0.00	16.50	5.35	2.89	24.74
4	0.00	2.16	0.23	0.00	2.39
5	0.00	21.25	20.68	2.48	44.40
6	0.00	25.61	14.96	5.38	45.95
7	0.00	71.26	19.82	5.34	96.41
8	0.00	5.83	5.68	0.00	11.51
9	1.99	0.79	0.00	0.00	2.78
10	9.89	1.28	0.00	0.00	11.17
11	5.09	33.66	0.00	0.00	38.75
12	9.63	17.00	4.14	0.00	30.77
13	8.25	10.11	3.94	0.00	22.30
14	16.19	1.40	0.68	0.00	18.27
15	14.04	1.29	1.26	0.00	16.59
16	0.00	3.65	3.55	0.00	7.21
17	0.00	5.84	3.79	0.00	9.64
18	0.00	63.67	33.81	9.11	106.59
19	0.00	10.44	10.16	0.00	20.61
21	0.00	25.47	10.62	0.00	36.09
24	0.00	3.50	1.46	0.00	4.96
25	0.00	2.13	2.08	0.00	4.21
Mixco	12.61	64.92	63.19	24.34	165.05
Villa Nueva	0.00	13.15	12.80	0.00	25.96
Villa Canales	0.00	6.97	6.79	0.00	13.76
S.C.Pinula	0.00	7.87	2.55	0.00	10.42
Chinautla	0.00	8.18	11.94	0.00	20.11
Total	79.64	449.37	249.10	52.54	830.64

F=1.0000

Table   Classified Solid Waste Generation(1991)

Unit : Ton/Day

Zone	High ×0.767kg/C.D	Middle ×0.564kg/C.D	Low ×0.549kg/C.D	Slum ×0.296kg/C.D	Total
1	1.96	16.00	5.33	3.10	26.39
2	0.00	10.28	4.19	0.00	14.46
3	0.00	17.04	5.21	3.03	25.28
4	0.00	2.21	0.23	0.00	2.44
5	0.00	22.08	20.79	2.67	45.55
6	0.00	26.75	14.95	5.70	47.40
7	0.00	75.60	19.83	5.91	101.34
8	0.00	5.99	5.72	0.00	11.72
9	1.99	0.79	0.00	0.00	2.78
10	10.10	1.31	0.00	0.00	11.41
11	5.36	35.45	0.00	0.00	40.81
12	10.09	17.96	4.19	0.00	32.25
13	8.66	10.72	4.03	0.00	23.40
14	17.15	1.56	0.65	0.00	19.36
15	15.14	1.46	1.29	0.00	17.89
16	0.00	4.37	4.17	0.00	8.54
17	0.00	6.98	4.44	0.00	11.42
18	0.00	68.57	34.88	10.05	113.49
19	0.00	10.91	10.41	0.00	21.31
21	0.00	27.15	11.06	0.00	38.21
24	0.00	3.71	1.48	0.01	5.20
25	0.00	2.25	2.15	0.00	4.40
Mixco	13.69	71.46	66.62	26.94	178.70
Villa Nueva	0.00	14.56	13.89	0.00	28.44
Villa Canales	0.00	7.44	7.10	0.00	14.53
S.C.Pinula	0.00	8.44	2.67	0.00	11.11
Chinautla	0.00	8.82	12.62	0.00	21.44
Total	84.14	479.84	257.86	57.42	879.25

F=1.0258

Table   Classified Solid Waste Generation(1992)

Unit : Ton/Day

Zone	High ×0.767kg/C.D	Middle ×0.564kg/C.D	Low ×0.549kg/C.D	Slum ×0.296kg/C.D	Total
1	1.97	16.24	5.08	3.20	26.49
2	0.00	10.88	4.32	0.00	15.20
3	0.00	17.58	5.05	3.18	25.81
4	0.00	2.26	0.22	0.00	2.48
5	0.00	22.93	20.87	2.88	46.68
6	0.00	27.90	14.91	6.03	48.84
7	0.00	80.08	19.76	6.51	106.35
8	0.00	6.15	5.76	0.00	11.91
9	1.99	0.79	0.00	0.00	2.78
10	10.31	1.34	0.00	0.00	11.65
11	5.63	37.28	0.00	0.00	42.91
12	10.56	18.95	4.23	0.00	33.74
13	9.07	11.34	4.11	0.00	24.52
14	18.14	1.73	0.61	0.00	20.48
15	16.26	1.64	1.31	0.00	19.21
16	0.00	5.13	4.80	0.00	9.93
17	0.00	8.18	5.09	0.00	13.27
18	0.00	73.66	35.85	11.04	120.55
19	0.00	11.38	10.64	0.00	22.02
21	0.00	28.89	11.48	0.00	40.37
24	0.00	3.91	1.50	0.03	5.45
25	0.00	2.37	2.22	0.00	4.59
Mixco	14.80	78.33	69.90	29.69	192.72
Villa Nueva	0.00	16.03	14.99	0.00	31.01
Villa Canales	0.00	7.92	7.40	0.00	15.32
S.C.Pinula	0.00	9.04	2.78	0.00	11.82
Chinautla	0.00	9.50	13.30	0.00	22.80
Total	88.73	511.42	266.19	62.56	928.90

F=1.0513

Table Classified Solid Waste Generation(1993)

Unit : Ton/Day

Zone	High ×0.767kg/C.D	Middle ×0.564kg/C.D	Low ×0.549kg/C.D	Slum ×0.296kg/C.D	Total
1	1.98	16.46	4.82	3.29	26.56
2	0.00	11.50	4.46	0.00	15.96
3	0.00	18.12	4.88	3.32	26.32
4	0.00	2.31	0.21	0.00	2.51
5	0.00	23.79	20.91	3.09	47.79
6	0.00	29.07	14.84	6.37	50.28
7	0.00	84.68	19.60	7.15	111.42
8	0.00	6.31	5.78	0.00	12.09
9	1.98	0.78	0.00	0.00	2.76
10	10.50	1.36	0.00	0.00	11.87
11	5.91	39.14	0.00	0.00	45.05
12	11.04	19.97	4.27	0.00	35.27
13	9.49	11.98	4.19	0.00	25.65
14	19.15	1.91	0.56	0.00	21.62
15	17.42	1.84	1.32	0.00	20.59
16	0.00	5.93	5.44	0.00	11.37
17	0.00	9.44	5.75	0.00	15.20
18	0.00	78.93	36.72	12.10	127.75
19	0.00	11.86	10.87	0.00	22.73
21	0.00	30.68	11.90	0.00	42.58
24	0.00	4.13	1.52	0.05	5.69
25	0.00	2.50	2.29	0.00	4.79
Mixco	15.94	85.54	73.00	32.59	207.08
Villa Nueva	0.00	17.56	16.10	0.00	33.66
Villa Canales	0.00	8.41	7.71	0.00	16.12
S.C.Pinula	0.00	9.66	2.89	0.05	12.54
Chinautla	0.00	10.20	14.00	0.00	24.20
Total	93.41	544.05	274.03	67.96	979.44

F=1.0764

Table   Classified Solid Waste Generation(1994)

Unit : Ton/Day

Zone	High ×0.767kg/C.D	Middle ×0.564kg/C.D	Low ×0.549kg/C.D	Slum ×0.296kg/C.D	Total
1	1.99	16.67	4.56	3.38	26.59
2	0.00	12.13	4.59	0.00	16.73
3	0.00	18.66	4.69	3.48	26.83
4	0.00	2.35	0.20	0.00	2.55
5	0.00	24.65	20.93	3.30	48.89
6	0.00	30.27	14.73	6.72	51.72
7	0.00	89.41	19.34	7.82	116.58
8	0.00	6.46	5.81	0.00	12.27
9	1.97	0.78	0.00	0.00	2.75
10	10.70	1.39	0.00	0.00	12.09
11	6.20	41.03	0.00	0.00	47.23
12	11.52	21.01	4.29	0.00	36.82
13	9.91	12.64	4.26	0.00	26.81
14	20.18	2.09	0.51	0.00	22.78
15	18.61	2.05	1.33	0.00	22.00
16	0.00	6.78	6.09	0.00	12.86
17	0.00	10.77	6.43	0.00	17.20
18	0.00	84.41	37.48	13.21	135.10
19	0.00	12.35	11.09	0.00	23.44
21	0.00	32.52	12.31	0.00	44.83
24	0.00	4.35	1.53	0.06	5.94
25	0.00	2.63	2.36	0.00	4.99
Mixco	17.11	93.10	75.93	35.66	221.80
Villa Nueva	0.00	19.17	17.22	0.00	36.39
Villa Canales	0.00	8.92	8.02	0.00	16.94
S.C.Pinula	0.00	10.30	2.99	0.00	13.29
Chinautla	0.00	10.93	14.69	0.00	25.63
Total	98.20	577.84	281.38	73.63	1,031.05

F=1.1013

Table   Classified Solid Waste Generation(1995)

Unit : Ton/Day

Zone	High ×0.767kg/C.D	Middle ×0.564kg/C.D	Low ×0.549kg/C.D	Slum ×0.296kg/C.D	Total
1	2.00	16.95	4.30	3.48	26.74
2	0.00	12.86	4.75	0.00	17.61
3	0.00	19.31	4.51	3.65	27.47
4	0.00	2.41	0.19	0.00	2.60
5	0.00	25.66	21.03	3.54	50.24
6	0.00	31.65	14.67	7.12	53.44
7	0.00	94.79	19.09	8.58	122.45
8	0.00	6.65	5.86	0.00	12.51
9	1.97	0.78	0.00	0.00	2.75
10	10.95	1.42	0.00	0.00	12.37
11	6.53	43.19	0.00	0.00	49.72
12	12.08	22.20	4.32	0.00	38.59
13	10.40	13.39	4.34	0.00	28.13
14	21.34	2.31	0.45	0.00	24.10
15	19.93	2.29	1.34	0.00	23.56
16	0.00	7.70	6.78	0.00	14.49
17	0.00	12.23	7.14	0.00	19.37
18	0.00	90.55	38.32	14.46	143.34
19	0.00	12.91	11.37	0.00	24.28
21	0.00	34.61	12.78	0.00	47.39
24	0.00	4.60	1.54	0.08	6.23
25	0.00	2.78	2.44	0.00	5.22
Mixco	18.41	101.55	79.08	39.08	238.12
Villa Nueva	0.00	20.96	18.46	0.00	39.41
Villa Canales	0.00	9.50	8.37	0.00	17.87
S.C.Pinula	0.00	11.01	3.11	0.00	14.12
Chinautla	0.00	11.75	15.48	0.00	27.23
Total	103.62	616.00	289.74	85,518.58	1,089.36

F=1.1319

Table   Classified Solid Waste Generation(1996)

Unit : Ton/Day

Zone	High ×0.767kg/C.D	Middle ×0.564kg/C.D	Low ×0.549kg/C.D	Slum ×0.296kg/C.D	Total
1	2.01	17.12	4.02	3.56	26.71
2	0.00	13.53	4.87	0.00	18.40
3	0.00	19.85	4.29	3.80	27.94
4	0.00	2.45	0.18	0.00	2.63
5	0.00	26.54	20.99	3.77	51.31
6	0.00	32.89	14.50	7.49	54.87
7	0.00	99.80	18.63	9.33	127.75
8	0.00	6.80	5.87	0.00	12.67
9	1.96	0.77	0.00	0.00	2.73
10	11.13	1.44	0.00	0.00	12.58
11	6.82	45.16	0.00	0.00	51.98
12	12.57	23.30	4.32	0.00	40.19
13	10.84	14.08	4.40	0.00	29.32
14	22.42	2.52	0.38	0.00	25.31
15	21.19	2.53	1.33	0.00	25.05
16	0.00	8.64	7.45	0.00	16.09
17	0.00	13.69	7.82	0.00	21.51
18	0.00	96.43	38.84	15.71	150.98
19	0.00	13.42	11.58	0.00	25.00
21	0.00	36.57	13.17	0.00	49.74
24	0.00	4.83	1.55	0.10	6.48
25	0.00	2.91	2.51	0.00	5.43
Mixco	19.65	109.82	81.58	42.47	253.53
Villa Nueva	0.00	22.71	19.60	0.00	42.31
Villa Canales	0.00	10.05	8.67	0.00	18.72
S.C.Pinula	0.00	11.69	3.21	0.00	14.90
Chinautla	0.00	12.54	16.18	0.00	28.73
Total	108.59	652.08	319,994.94	86.24	1,142.86

F=1.1561

Table   Classified Solid Waste Generation(1997)

Unit : Ton/Day

Zone	High ×0.767kg/C.D	Middle ×0.564kg/C.D	Low ×0.549kg/C.D	Slum ×0.296kg/C.D	Total
1	2.01	17.27	3.74	3.64	26.65
2	0.00	14.22	4.99	0.00	19.21
3	0.00	20.39	4.06	3.96	28.41
4	0.00	2.50	0.17	0.00	2.66
5	0.00	27.43	20.92	4.01	52.36
6	0.00	34.14	14.29	7.87	56.30
7	0.00	104.94	18.07	10.12	133.12
8	0.00	6.95	5.88	0.00	12.82
9	1.94	0.77	0.00	0.00	2.71
10	11.31	1.47	0.00	0.00	12.78
11	7.12	47.15	0.00	0.00	54.28
12	13.08	24.42	4.31	0.00	41.81
13	11.29	14.80	4.44	0.00	30.53
14	23.51	2.75	0.30	0.00	26.55
15	22.47	2.79	1.31	0.00	26.56
16	0.00	9.61	8.13	0.00	17.74
17	0.00	15.21	8.51	0.00	23.72
18	0.00	102.50	39.23	17.01	158.74
19	0.00	13.93	11.79	0.00	25.71
21	0.00	38.59	13.54	0.00	52.13
24	0.00	5.07	1.54	0.13	6.74
25	0.00	3.05	2.58	0.00	5.63
Mixco	20.92	118.45	83.86	46.02	269.25
Villa Nueva	0.00	24.53	20.75	0.00	45.27
Villa Canales	0.00	10.61	8.97	0.00	19.58
S.C.Pinula	0.00	12.39	3.30	0.00	15.70
Chinautla	0.00	13.36	16.89	0.00	30.25
Total	113.64	689.28	301.56	92.75	1,197.24

F=1.1800

Table Classified Solid Waste Generation(1998)

Unit : Ton/Day

Zone	High ×0.767kg/C.D	Middle ×0.564kg/C.D	Low ×0.549kg/C.D	Slum ×0.296kg/C.D	Total
1	2.01	17.40	3.44	3.71	26.56
2	0.00	14.93	5.11	0.00	20.04
3	0.00	20.93	3.82	4.12	28.87
4	0.00	2.54	0.16	0.00	2.69
5	0.00	28.33	20.83	4.25	53.41
6	0.00	35.42	14.04	8.26	57.72
7	0.00	110.22	17.40	10.94	138.56
8	0.00	7.09	5.88	0.00	12.97
9	1.92	0.76	0.00	0.00	2.68
10	11.49	1.49	0.00	0.00	12.98
11	7.43	49.18	0.00	0.00	56.61
12	13.59	25.58	4.28	0.00	43.45
13	11.74	15.54	4.48	0.00	31.76
14	24.62	2.98	0.21	0.00	27.81
15	23.78	3.06	1.28	0.00	28.11
16	0.00	10.63	8.82	0.00	19.45
17	0.00	16.80	9.20	0.00	26.00
18	0.00	108.77	39.48	18.38	166.63
19	0.00	14.45	11.98	0.00	26.43
21	0.00	40.66	13.91	0.00	54.57
24	0.00	5.32	1.54	0.15	7.00
25	0.00	3.19	2.65	0.00	5.84
Mixco	22.22	127.45	85.89	49.74	285.29
Villa Nueva	0.00	26.42	21.90	0.00	48.32
Villa Canales	0.00	11.19	9.28	0.00	20.46
S.C.Pinula	0.00	13.12	3.39	0.00	16.51
Chinautla	0.00	14.21	17.60	0.00	31.81
Total	118.79	727.65	306.56	99.56	1,252.56

F=1.2037

Table   Classified Solid Waste Generation(1999)

Unit : Ton/Day

Zone	High ×0.767kg/C.D	Middle ×0.564kg/C.D	Low ×0.549kg/C.D	Slum ×0.296kg/C.D	Total
1	2.00	17.51	3.15	3.78	26.45
2	0.00	15.66	5.22	0.00	20.87
3	0.00	21.47	3.56	4.28	29.32
4	0.00	2.58	0.15	0.00	2.72
5	0.00	29.24	20.70	4.50	54.44
6	0.00	36.71	13.77	8.66	59.14
7	0.00	115.62	16.62	11.81	144.05
8	0.00	7.23	5.88	0.00	13.11
9	1.89	0.75	0.00	0.00	2.64
10	11.66	1.51	0.00	0.00	13.17
11	7.74	51.24	0.00	0.00	58.99
12	14.11	26.76	4.24	0.00	45.11
13	12.20	16.30	4.51	0.00	33.01
14	25.76	3.23	0.11	0.00	29.09
15	25.11	3.35	1.24	0.00	29.70
16	0.00	11.70	9.51	0.00	21.20
17	0.00	18.46	9.89	0.00	28.34
18	0.00	115.24	39.59	19.82	174.65
19	0.00	14.98	12.18	0.00	27.16
21	0.00	42.79	14.26	0.00	57.04
24	0.00	5.57	1.53	0.18	7.27
25	0.00	3.34	2.72	0.00	6.06
Mixco	23.55	136.80	87.65	53.62	301.63
Villa Nueva	0.00	28.38	23.06	0.00	51.44
Villa Canales	0.00	11.78	9.57	0.00	21.36
S.C.Pinula	0.00	13.86	3.48	0.00	17.34
Chinautla	0.00	15.09	18.31	0.00	33.40
Total	124.02	767.15	310.88	106.65	1,308.70

F=1.2271

Table　　　　Classified Solid Waste Generation(2000)

Unit : Ton/Day

Zone	High ×0.767kg/C.D	Middle ×0.564kg/C.D	Low ×0.549kg/C.D	Slum ×0.296kg/C.D	Total
1	2.00	17.61	2.86	3.85	26.31
2	0.00	16.40	5.32	0.00	21.72
3	0.00	22.01	3.30	4.44	29.75
4	0.00	2.61	0.13	0.00	2.75
5	0.00	30.16	20.55	4.75	55.46
6	0.00	38.02	13.46	9.07	60.55
7	0.00	121.16	15.73	12.72	149.60
8	0.00	7.37	5.87	0.00	13.24
9	1.87	0.74	0.00	0.00	2.61
10	11.82	1.53	0.00	0.00	13.36
11	8.06	53.33	0.00	0.00	61.39
12	14.63	27.97	4.19	0.00	46.79
13	12.66	17.07	4.53	0.00	34.27
14	26.91	3.49	0.00	0.00	30.40
15	26.48	3.65	1.18	0.00	31.31
16	0.00	12.80	10.20	0.00	23.00
17	0.00	20.18	10.57	0.00	30.75
18	0.00	121.90	39.55	21.33	182.78
19	0.00	15.52	12.36	0.00	27.88
21	0.00	44.97	14.59	0.00	59.56
24	0.00	5.82	1.51	0.20	7.53
25	0.00	3.49	2.78	0.00	6.27
Mixco	24.91	146.52	89.14	57.67	318.24
Villa Nueva	0.00	30.41	24.22	0.00	54.62
Villa Canales	0.00	12.40	9.87	0.00	22.27
S.C.Pinula	0.00	14.62	3.56	0.00	18.18
Chinautla	0.00	15.99	19.03	0.00	35.02
Total	129.34	807.76	314.50	114.03	1,365.63

F=1.2502

DATA FILE

2. Solid Waste Amount and Composition

Table

Solid Waste Generation(1990~2000)

Unit:m^3/day

Zone and City	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1	105.68	106.23	106.64	106.93	107.09	107.70	107.60	107.38	107.05	106.60	106.06
2	54.37	57.25	60.19	63.18	66.24	69.71	72.87	76.09	79.36	82.67	86.04
3	98.19	100.35	102.46	104.51	106.53	109.09	111.00	112.87	114.71	116.50	118.23
4	9.49	9.66	9.82	9.97	10.12	10.31	10.44	10.57	10.69	10.80	10.90
5	175.72	180.26	184.75	189.17	193.56	198.94	203.19	207.40	211.56	215.67	219.72
6	182.22	187.99	193.75	199.48	205.22	212.07	217.77	223.45	229.14	234.81	240.45
7	382.32	401.90	421.81	441.99	462.50	485.88	506.98	528.33	549.98	571.88	593.99
8	45.51	46.31	47.08	47.81	48.52	49.46	50.10	50.71	51.29	51.84	52.37
9	12.50	12.51	12.51	12.46	12.40	12.39	12.30	12.19	12.06	11.91	11.76
10	51.73	52.84	53.94	54.96	55.98	57.28	58.25	59.19	60.10	61.00	61.86
11	157.56	165.95	174.49	183.20	192.08	202.19	211.38	220.72	230.23	239.87	249.65
12	129.18	135.38	141.68	148.09	154.59	162.06	168.76	175.56	182.46	189.44	196.50
13	94.55	99.21	103.96	108.77	113.67	119.29	124.35	129.48	134.69	139.97	145.32
14	84.61	89.66	94.82	100.10	105.50	111.60	117.22	122.95	128.80	134.74	140.79
15	76.31	82.27	88.38	94.70	101.17	108.39	115.21	122.18	129.32	136.61	144.05
16	28.48	33.75	39.24	44.94	50.85	57.28	63.62	70.16	76.91	83.84	90.96
17	38.12	45.17	52.51	60.13	68.04	76.63	85.12	93.87	102.89	112.16	121.70
18	422.49	449.92	477.96	506.55	535.77	568.55	598.90	629.77	661.19	693.08	725.44
19	81.45	84.25	87.05	89.85	92.67	96.00	98.84	101.67	104.53	107.39	110.25
21	142.90	151.27	159.84	168.59	177.53	187.64	196.95	206.43	216.09	225.92	235.91
24	19.65	20.60	21.56	22.54	23.53	24.67	25.69	26.72	27.76	28.81	29.86
25	16.64	17.39	18.16	18.94	19.73	20.64	21.45	22.27	23.11	23.95	24.81
Mixco	664.00	719.02	775.57	833.47	892.87	958.72	1,020.95	1,084.44	1,149.26	1,215.27	1,282.41
Villa Nueva	102.60	112.44	122.60	133.08	143.88	155.82	167.27	179.01	191.06	203.40	216.01
Villa Canales	54.40	57.45	60.56	63.73	66.97	70.64	74.00	77.43	80.91	84.45	88.06
S.C.Pinula	41.27	44.01	46.82	49.69	52.64	55.95	59.04	62.19	65.41	68.68	72.02
Chinautla	79.44	84.69	90.07	95.58	101.23	107.58	113.49	119.53	125.69	131.97	138.36
Total	3,351.39	3,547.72	3,748.22	3,952.41	4,160.89	4,396.50	4,612.74	4,832.54	5,056.22	5,283.24	5,513.47

Table   Classified Solid Waste Generation(1990)

Unit : m³/day

Zone	High ÷0.212kg/l	Middle ÷0.252kg/l	Low ÷0.254kg/l	Slum ÷0.248kg/l	Total
1	9.18	62.45	21.93	12.11	105.68
2	0.00	38.45	15.92	0.00	54.37
3	0.00	65.47	21.08	11.64	98.19
4	0.00	8.57	0.92	0.00	9.49
5	0.00	84.31	81.42	9.99	175.72
6	0.00	101.64	58.90	21.68	182.22
7	0.00	282.76	78.02	21.54	382.32
8	0.00	23.15	22.36	0.00	45.51
9	9.38	3.12	0.00	0.00	12.50
10	46.64	5.09	0.00	0.00	51.73
11	23.99	133.57	0.00	0.00	157.56
12	45.44	67.46	16.29	0.00	129.18
13	38.92	40.13	15.50	0.00	94.55
14	76.36	5.56	2.68	0.00	84.61
15	66.24	5.12	4.95	0.00	76.31
16	0.00	14.49	13.99	0.00	28.48
17	0.00	23.19	14.93	0.00	38.12
18	0.00	252.66	133.09	36.75	422.49
19	0.00	41.44	40.02	0.00	81.45
21	0.00	101.07	41.83	0.00	142.90
24	0.00	13.89	5.75	0.00	19.65
25	0.00	8.46	8.17	0.00	16.64
Mixco	59.49	257.60	248.78	98.13	664.00
Villa Nueva	0.00	52.19	50.41	0.00	102.60
Villa Canales	0.00	27.68	26.73	0.00	54.40
S.C.Pinula	0.00	31.22	10.05	0.00	41.27
Chinautla	0.00	32.44	47.00	0.00	79.44
Total	375.65	1,783.20	980.71	211.84	3,351.39

Table   Classified Solid Waste Generation(1991)

Unit : m³/day

Zone	High ÷ 0.212kg/l	Middle ÷ 0.252kg/l	Low ÷ 0.254kg/l	Slum ÷ 0.248kg/l	Total
1	9.24	63.49	20.99	12.51	106.23
2	0.00	40.77	16.48	0.00	57.25
3	0.00	67.62	20.51	12.22	100.35
4	0.00	8.77	0.89	0.00	9.66
5	0.00	87.64	81.84	10.79	180.26
6	0.00	106.14	58.87	22.98	187.99
7	0.00	300.00	78.08	23.83	401.90
8	0.00	23.79	22.52	0.00	46.31
9	9.38	3.12	0.00	0.00	12.51
10	47.64	5.20	0.00	0.00	52.84
11	25.27	140.68	0.00	0.00	165.95
12	47.61	71.27	16.50	0.00	135.38
13	40.84	42.52	15.86	0.00	99.21
14	80.92	6.18	2.56	0.00	89.66
15	71.41	5.80	5.07	0.00	82.27
16	0.00	17.34	16.41	0.00	33.75
17	0.00	27.70	17.46	0.00	45.17
18	0.00	272.09	137.30	40.52	449.92
19	0.00	43.28	40.97	0.00	84.25
21	0.00	107.74	43.54	0.00	151.27
24	0.00	14.70	5.84	0.06	20.60
25	0.00	8.94	8.46	0.00	17.39
Mixco	64.56	283.56	262.27	108.62	719.02
Villa Nueva	0.00	57.76	54.68	0.00	112.44
Villa Canales	0.00	29.51	27.94	0.00	57.45
S.C.Pinula	0.00	33.51	10.50	0.00	44.01
Chinautla	0.00	35.01	49.68	0.00	84.69
Total	396.86	1,904.13	1,015.20	231.52	3,547.72

Table   Classified Solid Waste Generation(1992)

Unit : m³/day

Zone	High ÷0.212kg/l	Middle ÷0.252kg/l	Low ÷0.254kg/l	Slum ÷0.248kg/l	Total
1	9.29	64.45	20.01	12.89	106.64
2	0.00	43.17	17.03	0.00	60.19
3	0.00	69.77	19.88	12.81	102.46
4	0.00	8.96	0.86	0.00	9.82
5	0.00	91.00	82.15	11.60	184.75
6	0.00	110.73	58.71	24.31	193.75
7	0.00	317.76	77.80	26.25	421.81
8	0.00	24.42	22.66	0.00	47.08
9	9.39	3.12	0.00	0.00	12.51
10	48.63	5.31	0.00	0.00	53.94
11	26.56	147.93	0.00	0.00	174.49
12	49.81	75.20	16.67	0.00	141.68
13	42.78	44.99	16.19	0.00	103.96
14	85.57	5.85	2.41	0.00	94.82
15	76.70	6.53	5.16	0.00	88.38
16	0.00	20.36	18.89	0.00	39.24
17	0.00	32.46	20.04	0.00	52.51
18	0.00	292.29	141.14	44.54	477.96
19	0.00	45.15	41.89	0.00	87.05
21	0.00	114.63	45.22	0.00	159.84
24	0.00	15.53	5.91	0.12	21.56
25	0.00	9.42	8.74	0.00	18.16
Mixco	69.81	310.85	275.18	119.72	775.57
Villa Nueva	0.00	63.59	59.01	0.00	122.60
Villa Canales	0.00	31.41	29.15	0.00	60.56
S.C.Pinula	0.00	35.87	10.94	0.00	46.82
Chinautla	0.00	37.69	52.38	0.00	90.07
Total	418.54	2,029.44	1,048.00	252.25	3,748.22

Table   Classified Solid Waste Generation(1993)

Unit : m³/day

Zone	High ÷0.212kg/l	Middle ÷0.252kg/l	Low ÷0.254kg/l	Slum ÷0.248kg/l	Total
1	9.35	65.34	18.98	13.26	106.93
2	0.00	45.62	17.56	0.00	63.18
3	0.00	71.91	19.20	13.41	104.51
4	0.00	9.15	0.82	0.00	9.97
5	0.00	94.39	82.33	12.45	189.17
6	0.00	115.38	58.42	25.69	199.48
7	0.00	336.01	77.15	28.82	441.99
8	0.00	25.04	22.77	0.00	47.81
9	9.34	3.11	0.00	0.00	12.46
10	49.55	5.41	0.00	0.00	54.96
11	27.90	155.31	0.00	0.00	183.20
12	52.06	79.23	16.80	0.00	148.09
13	44.75	47.53	16.49	0.00	108.77
14	90.32	7.56	2.22	0.00	100.10
15	82.18	7.31	5.22	0.00	94.70
16	0.00	23.53	21.40	0.00	44.94
17	0.00	37.47	22.66	0.00	60.13
18	0.00	313.22	144.55	48.78	506.55
19	0.00	47.05	42.79	0.00	89.85
21	0.00	121.73	46.86	0.00	168.59
24	0.00	16.38	5.97	0.18	22.54
25	0.00	9.92	9.02	0.00	18.94
Mixco	75.17	339.46	287.41	131.43	833.47
Villa Nueva	0.00	69.69	63.38	0.00	133.08
Villa Canales	0.00	33.38	30.35	0.00	63.73
S.C.Pinula	0.00	38.32	11.37	0.00	49.69
Chinautla	0.00	40.48	55.10	0.00	95.58
Total	440.62	2,158.92	1,078.85	274.02	3,952.41

Table　　　Classified Solid Waste Generation(1994)

Unit : m³/day

Zone	High ÷0.212kg/l	Middle ÷0.252kg/l	Low ÷0.254kg/l	Slum ÷0.248kg/l	Total
1	9.38	66.16	17.93	13.62	107.09
2	0.00	48.15	18.08	0.00	66.24
3	0.00	74.06	18.46	14.01	106.53
4	0.00	9.33	0.78	0.00	10.12
5	0.00	97.82	82.41	13.32	193.56
6	0.00	120.12	58.00	27.10	205.22
7	0.00	354.82	76.15	31.54	462.50
8	0.00	25.65	22.87	0.00	48.52
9	9.30	3.10	0.00	0.00	12.40
10	50.47	5.51	0.00	0.00	55.98
11	29.25	162.83	0.00	0.00	192.08
12	54.34	83.37	16.88	0.00	154.59
13	46.77	50.14	16.76	0.00	113.67
14	95.18	8.31	2.01	0.00	105.50
15	87.78	8.15	5.24	0.00	101.17
16	0.00	26.89	23.97	0.00	50.85
17	0.00	42.74	25.30	0.00	68.04
18	0.00	334.95	147.55	53.27	535.77
19	0.00	48.99	43.68	0.00	92.67
21	0.00	129.06	48.47	0.00	177.53
24	0.00	17.26	6.02	0.26	23.53
25	0.00	10.43	9.30	0.00	19.73
Mixco	80.71	369.45	298.94	143.78	892.87
Villa Nueva	0.00	76.07	67.81	0.00	143.88
Villa Canales	0.00	35.40	31.56	0.00	66.97
S.C.Pinula	0.00	40.85	11.79	0.00	52.64
Chinautla	0.00	43.38	57.85	0.00	101.23
Total	463.18	2,293.01	1,107.80	296.89	4,160.89

Table　Classified Solid Waste Generation(1995).

Unit : m³/day

Zone	High ÷ 0.212kg/l	Middle ÷ 0.252kg/l	Low ÷ 0.254kg/l	Slum ÷ 0.248kg/l	Total
1	9.46	67.26	16.95	14.04	107.70
2	0.00	51.02	18.69	0.00	69.71
3	0.00	76.62	17.76	14.71	109.09
4	0.00	9.56	0.75	0.00	10.31
5	0.00	101.83	82.81	14.29	198.94
6	0.00	125.60	57.76	28.71	212.07
7	0.00	376.14	75.16	34.59	485.88
8	0.00	26.40	23.06	0.00	49.46
9	9.30	3.10	0.00	0.00	12.39
10	51.64	5.64	0.00	0.00	57.28
11	30.79	171.40	0.00	0.00	202.19
12	56.96	88.09	17.01	0.00	162.06
13	49.07	53.12	17.10	0.00	119.29
14	100.67	9.16	1.77	0.00	111.60
15	94.03	9.09	5.27	0.00	108.39
16	0.00	30.57	26.71	0.00	57.28
17	0.00	48.52	28.11	0.00	76.63
18	0.00	359.34	150.88	58.32	568.55
19	0.00	51.24	44.77	0.00	96.00
21	0.00	137.34	50.31	0.00	187.64
24	0.00	18.25	6.08	0.34	24.67
25	0.00	11.02	9.62	0.00	20.64
Mixco	86.85	402.96	311.32	157.59	958.72
Villa Nueva	0.00	83.16	72.66	0.00	155.82
Villa Canales	0.00	37.70	32.94	0.00	70.64
S.C.Pinula	0.00	43.70	12.25	0.00	55.95
Chinautla	0.00	46.64	60.94	0.00	107.58
Total	488.77	2,444.46	1,140.69	322.58	4,396.50

Table　　　Classified Solid Waste Generation(1996)

Unit : m³/day

Zone	High ÷0.212kg/l	Middle ÷0.252kg/l	Low ÷0.254kg/l	Slum ÷0.248kg/l	Total
1	9.47	67.93	15.83	14.37	107.60
2	0.00	53.70	19.18	0.00	72.87
3	0.00	78.76	16.90	15.33	111.00
4	0.00	9.74	0.71	0.00	10.44
5	0.00	105.33	82.65	15.21	203.19
6	0.00	130.50	57.07	30.20	217.77
7	0.00	396.02	73.35	37.61	506.98
8	0.00	26.99	23.11	0.00	50.10
9	9.23	3.07	0.00	0.00	12.30
10	52.51	5.73	0.00	0.00	58.25
11	32.19	179.19	0.00	0.00	211.38
12	59.31	92.45	17.01	0.00	168.76
13	51.14	55.89	17.31	0.00	124.35
14	105.73	10.00	1.49	0.00	117.22
15	99.94	10.05	5.23	0.00	115.21
16	0.00	34.27	29.35	0.00	63.62
17	0.00	54.31	30.81	0.00	85.12
18	0.00	382.66	152.91	63.33	598.90
19	0.00	53.24	45.60	0.00	98.84
21	0.00	145.12	51.84	0.00	196.95
24	0.00	19.18	6.09	0.42	25.69
25	0.00	11.56	9.90	0.00	21.45
Mixco	92.70	435.81	321.20	171.25	1,020.95
Villa Nueva	0.00	90.10	77.17	0.00	167.27
Villa Canales	0.00	39.87	34.14	0.00	74.00
S.C.Pinula	0.00	46.40	12.64	0.00	59.04
Chinautla	0.00	49.77	63.72	0.00	113.49
Total	512.21	2,587.62	1,165.18	347.73	4,612.74

Table　　　Classified Solid Waste Generation(1997)

Unit : m³/day

Zone	High ÷0.212kg/l	Middle ÷0.252kg/l	Low ÷0.254kg/l	Slum ÷0.248kg/l	Total
1	9.47	68.52	14.71	14.68	107.38
2	0.00	56.43	19.65	0.00	76.09
3	0.00	80.91	16.00	15.97	112.87
4	0.00	9.90	0.67	0.00	10.57
5	0.00	108.86	82.37	16.16	207.40
6	0.00	135.47	56.25	31.74	223.45
7	0.00	416.41	71.13	40.79	528.33
8	0.00	27.57	23.14	0.00	50.71
9	9.14	3.05	0.00	0.00	12.19
10	53.36	5.83	0.00	0.00	59.19
11	33.61	187.11	0.00	0.00	220.72
12	61.68	96.92	16.95	0.00	175.56
13	53.24	58.74	17.49	0.00	129.48
14	110.89	10.89	1.17	0.00	122.95
15	105.97	11.06	5.14	0.00	122.18
16	0.00	38.14	32.02	0.00	70.16
17	0.00	60.36	33.51	0.00	93.87
18	0.00	406.74	154.44	68.60	629.77
19	0.00	55.28	46.40	0.00	101.67
21	0.00	153.12	53.31	0.00	206.43
24	0.00	20.12	6.08	0.51	26.72
25	0.00	12.11	10.17	0.00	22.27
Mixco	98.68	470.05	330.15	185.56	1,084.44
Villa Nueva	0.00	97.32	81.69	0.00	179.01
Villa Canales	0.00	42.09	35.33	0.00	77.43
S.C.Pinula	0.00	49.18	13.01	0.00	62.19
Chinautla	0.00	53.02	66.51	0.00	119.53
Total	536.05	2,735.22	1,187.26	374.00	4,832.54

Table   Classified Solid Waste Generation(1998)

Unit : m³/day

Zone	High ÷0.212kg/l	Middle ÷0.252kg/l	Low ÷0.254kg/l	Slum ÷0.248kg/l	Total
1	9.46	69.05	13.56	14.98	107.05
2	0.00	59.25	20.10	0.00	79.36
3	0.00	83.06	15.04	16.61	114.71
4		10.07	0.62	0.00	10.69
5	0.00	112.44	81.99	17.13	211.56
6	0.00	140.54	55.29	33.31	229.14
7	0.00	437.36	68.49	44.13	549.98
8	0.00	28.14	23.15	0.00	51.29
9	9.05	3.01	0.00	0.00	12.06
10	54.19	5.92	0.00	0.00	60.10
11	35.06	195.17	0.00	0.00	230.23
12	64.10	101.51	16.85	0.00	182.46
13	55.38	61.67	17.64	0.00	134.69
14	116.15	11.83	0.82	0.00	128.80
15	112.16	12.14	5.03	0.00	129.32
16	0.00	42.19	34.71	0.00	76.91
17	0.00	66.67	36.22	0.00	102.89
18	0.00	431.63	155.43	74.13	661.19
19	0.00	57.35	47.18	0.00	104.53
21	0.00	161.35	54.75	0.00	216.09
24	0.00	21.09	6.06	0.61	27.76
25	0.00	12.68	10.43	0.00	23.11
Mixco	104.81	505.75	338.14	200.55	1,149.26
Villa Nueva	0.00	104.83	86.24	0.00	191.06
Villa Canales	0.00	44.39	36.52	0.00	80.91
S.C.Pinula	0.00	52.05	13.36	0.00	65.41
Chinautla	0.00	56.39	69.30	0.00	125.69
Total	560.34	2,887.50	1,206.93	401.44	5,056.22

Table Classified Solid Waste Generation(1999)

Unit : m³/day

Zone	High ÷0.212kg/l	Middle ÷0.252kg/l	Low ÷0.254kg/l	Slum ÷0.248kg/l	Total
1	9.44	69.50	12.41	15.26	106.60
2	0.00	62.13	20.54	0.00	82.67
3	0.00	85.20	14.03	17.26	116.50
4	0.00	10.23	0.58	0.00	10.80
5	0.00	116.04	81.50	18.13	215.67
6	0.00	145.68	54.21	34.92	234.81
7	0.00	458.83	65.43	47.62	571.88
8	0.00	28.70	23.14	0.00	51.84
9	8.94	2.98	0.00	0.00	11.91
10	54.99	6.00	0.00	0.00	61.00
11	36.52	203.34	0.00	0.00	239.87
12	66.54	106.20	16.70	0.00	189.44
13	57.54	64.67	17.76	0.00	139.97
14	121.49	12.82	0.43	0.00	134.74
15	118.47	13.28	4.87	0.00	136.61
16	0.00	46.42	37.42	0.00	83.84
17	0.00	73.23	38.93	0.00	112.16
18	0.00	457.29	155.87	79.92	693.08
19	0.00	59.45	47.93	0.00	107.39
21	0.00	169.79	56.13	0.00	225.92
24	0.00	22.09	6.01	0.71	28.81
25	0.00	13.26	10.69	0.00	23.95
Mixco	111.09	542.87	345.09	216.21	1,215.27
Villa Nueva	0.00	112.61	90.79	0.00	203.40
Villa Canales	0.00	46.76	37.70	0.00	84.45
S.C.Pinula	0.00	54.99	13.69	0.00	68.68
Chinautla	0.00	59.87	72.10	0.00	131.97
Total	585.02	3,044.23	1,223.95	430.04	5,283.24

Table   Classified Solid Waste Generation(2000)

Unit : m³/day

Zone	High ÷0.212kg/l	Middle ÷0.252kg/l	Low ÷0.254kg/l	Slum ÷0.248kg/l	Total
1	9.41	69.87	11.25	15.53	106.06
2	0.00	65.09	20.95	0.00	86.04
3	0.00	87.34	12.98	17.92	118.23
4	0.00	10.37	0.53	0.00	10.90
5	0.00	119.68	80.90	19.15	219.72
6	0.00	150.89	52.99	36.58	240.45
7	0.00	480.80	61.91	51.28	593.99
8	0.00	29.25	23.11	0.00	52.37
9	8.82	2.94	0.00	0.00	11.76
10	55.77	6.09	0.00	0.00	61.86
11	38.01	211.63	0.00	0.00	249.65
12	69.01	111.00	16.49	0.00	196.50
13	59.73	67.75	17.84	0.00	145.32
14	126.94	13.86	0.00	0.00	140.79
15	124.90	14.49	4.66	0.00	144.05
16	0.00	50.81	40.15	0.00	90.96
17	0.00	80.06	41.63	0.00	121.70
18	0.00	483.74	155.72	85.99	725.44
19	0.00	61.59	48.66	0.00	110.25
21	0.00	178.46	57.45	0.00	235.91
24	0.00	23.10	5.95	0.82	29.86
25	0.00	13.86	10.95	0.00	24.81
Mixco	117.49	581.43	350.94	232.55	1,282.41
Villa Nueva	0.00	120.66	95.34	0.00	216.01
Villa Canales	0.00	49.19	38.87	0.00	88.06
S.C.Pinula	0.00	58.01	14.01	0.00	72.02
Chinautla	0.00	63.46	74.90	0.00	138.36
Total	610.09	3,205.40	1,238.18	459.80	5,513.47

III. Weight Measurement Data by Means of a Truck Scale

1. Weight Measurement Data

    (1) Sep.,1990
    (2) Dec.,1990
    (3) Nov.,1990
    (4) Dec.,1990
    (5) Jan.,1991
    (6) Feb.,1991

2. Waste Weight Hauled by Classification

    (1) Sep.,1990
    (2) Dec.,1990
    (3) Nov.,1990
    (4) Dec.,1990
    (5) Jan.,1991
    (6) Feb.,1991

3. Municipal Vehicles Efficiency

4. Number of Vehicles Arrived at Trebol site

    (1) Asociation
    (2) Cooperativa
    (3) Independiente
    (4) Particulares
    (5) Municipalidad
    (6) Carretas
    (7) Tierra y Ripio

Weight Measurement Data

Date	T.Measure	Municipalidad				Estatal				Cooperativa				Asociacion				Independiente				Particular			
		N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri
9/13	11:31~12:55	8	26.33	2.92	9																				
9/17	9:47~12:29	17	78.07	3.39	23																				
9/18	10:07~12:17	30	179.63	4.73	38																				
9/20	9:15~12:53	12	44.48	2.34	19																				
9/21	10:38~13:17	24	100.22	3.46	29																				
9/24	9:47~11:50	2	5.74	2.87	2	1	0.45	0.45	1	3	6.88	2.29	3									33	134.99	3.97	34
9/26	9:23~11:49	3	13.91	4.64	3	1	11.58	5.79	2	4	7.80	1.95	4									14	67.85	3.39	20
9/27	11:05~13:23					2	10.17	5.09	2	5	8.26	20.65	5									8	38.70	3.87	10
9/28	10.33~12.34	1	6.18	6.18	1					5	8.46	1.69	5									10	47.24	4.29	11
9/29	10:28~14:15					2	2.34	1.17	2	9	17.73	1.97	9									6	37.67	6.28	6
9/30	10:26~10:55	8	47.46	5.93	8	1	1.16	1.16	1					2	1.37	0.69	2								
	Sub - Total	105	502.02		132	7	25.7		8	26	49.13		26	2	1.37		2					71	326.45		81
	Ave			3.80				3.21				1.89				0.69								4.03	

Code : T.Measure = Time of Measurement   N.V = Number of vehicles   Ave = Mean Average   Tri = Number of Trips

Weight Measurement Data

Date	T.Measure	Municipalidad				Estatal				Cooperativa				Asociacion				Independiente				Particular			
		N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri
10/01	11:13~12:03									1	1.69	1.69	1	11	26.68	2.43	11								
10/02	10:59~12:11									2	8.28	4.14	2	20	54.75	2.73	20					1	1.67	1.67	1
10/03	10:05~10:45													10	14.95	1.49	10					1	5.26	5.26	1
10/04	10:03~13:17	2	11.05	5.52	2					1	3.22	3.22	1	41	85.08	2.10	42					3	11.05	3.68	3
10/08	09:58~12:44	10	47.58	4.33	11									15	35.74	2.38	15					3	17.97	5.99	3
10/09	10:16~12:07	22	92.19	4.19	22					2	4.84	2.42	2	3	6.77	2.25	3					2	6.32	3.16	2
10/10	11:04~13:50	31	133.89	4.06	33					2	2.22	1.11	2	5	11.27	2.25	5								
10/11	08:55~13:56	32	129.87	3.71	35					1	1.37	1.37	1	4	8.92	2.23	4								
10/12	11:10~14:00	31	123.27	3.74	33																	1	1.35	1.35	1
10/13	10:43~13:35	14	53.65	3.83	14																				
10/14	09:42~12:12	14	70.68	3.37	21																				
10/15	09:08~14:22					1	4.97	4.97	1	11	24.92	2.27	11	4	6.92	1.73	4					34	165.43	4.24	39
10/16	09:19~13:44					8	12.11	1.51	8	8	14.70	1.84	8									29	89.97	2.50	36
10/17	09:01~13:48					3	6.94	2.31	3	12	23.85	1.99	12	3	4.37	1.46	3					22	123.93	4.43	28
10/18	11:09~14:15	2	5.77	2.89	2					11	27.25	2.48	11	3	2.83	0.94	3					11	45.07	3.76	12
10/19	09:08~14:18	2	5.42	2.71	2	1	0.55	0.55	1	13	25.67	1.97	13	1	1.44	1.44	1					27	173.78	4.97	35
10/20	09:22~14:39	1	2.97	2.97	1					15	34.63	2.16	16	8	13.57	1.70	8					9	96.35	6.42	15
10/21	08:35~11:39	10	55.17	5.52	10									1	0.3	0.3	1								
10/22	09:04~16:37	4	12.53	1.79	4					5	13.94	2.79	5	45	108.20	2.16	50					7	27.05	3.86	7
10/23	09:08~17:09	1	4.40	4.40	1	2	3.96	1.32	3	3	8.19	2.73	3	68	143.91	1.97	73					7	16.18	2.31	7
10/25	10:59~15:02					1	1.15	1.15	1					77	205.03	2.56	80					1	6.39	6.39	1
10/26	09:29~16:57	1	1.55	1.55	1									87	240.11	2.64	91	1	1.25	1.25	1	1	1.62	1.62	1
10/27	08:38~15:21	1	1.56	1.56	1									63	162.38	2.50	65					1	0.69	0.69	1
10/28	10:53~11:10	3	12.86	4.29	3																				
10/29	08:53~14:19	32	180.38	3.28	55	1	0.92	0.92	1	1	2.67	2.67	1	12	34.38	2.86	12					3	7.13	2.38	3
10/30	08:48~13:54	30	115.61	3.12	37	1	0.76	0.76	1					16	35.80	2.24	16					1	4.28	4.28	1
10/31	09:07~14:43	31	133.18	3.03	44									5	13.69	2.28	6								
	Sub - Total	274	1193.58		332	18	31.36		19	88	197.44		89	502	1217.09		523	1	1.25		1	164	801.49		197
	Ave			3.60				1.65				2.22				2.33				1.25				4.07	

Code : T.Measure = Time of Measurement   N.V = Number of vehicles   Ave = Mean Average   Tri = Number of Trips

Weight Measurement Data

Date	T.Measure	Municipalidad				Estatal				Cooperativa				Asociacion				Independiente				Particular			
		N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri
11/02	09:43~14:48	33	160.43	3.21	50									2	3.00	1.5	2								
11/03	08:42~12:33	14	59.20	2.19	27	1	1.34	1.34	1					3	4.65	1.55	13					1	1.84	1.84	1
11/04	08:32~12:13	15	95.07	2.64	36	1	0.73	0.73	1																
11/05	12:46~16:34	2	7.84	3.92	2					11	36.06	3.00	12	2	7.70	3.85	2					1	4.06	4.06	1
11/08	10:42~16:19	1	2.81	2.81	1					11	19.72	1.79	11	6	11.44	1.91	6	1	1.14	1.14	1	11	97.66	5.43	18
11/09	09:14~16:13	2	5.63	2.81	2	2	0.93	0.47	2	11	28.98	2.23	13	1	1.30	1.30	1	1	1.10	1.10	1	21	182.92	5.72	32
11/10	09:46~14:33					1	2.90	2.90	1	8	19.38	2.42	8									2	17.20	5.73	3
11/12	08:56~14:06	33	148.82	3.46	43					1	2.05	2.05	1												
11/13	09:12~15:25									1	0.55	0.55	1	49	108.07	1.96	55					2	6.58	3.29	2
11/14	08:53~16:19													52	110.18	1.89	58								
11/15	09:41~16:22	1	2.93	2.93	1					2	4.56	2.28	2	73	156.38	2.08	75								
11/16	12:20~16:40	1	0.26	0.26	1									66	179.25	2.68	67								
11/17	09:38~15:11													57	124.70	2.15	58								
11/19	09:04~14:05	31	212.19	4.16	51									1	1.65	1.65	1					1	2.83	2.83	1
11/21	10:40~14:13	31	106.37	3.22	33									2	2.63	1.31	2					1	1.53	1.53	1
11/23	09:22~14:11	33	131.4	3.06	43									2	3.06	1.53	2					2	5.89	2.95	2
11/24	08:45~12:22	14	75.27	3.14	24									1	1.66	1.66	1					1	0.14	0.14	1
11/25	08:39~12:06	13	91.88	3.40	27																				
11/26	08:28~16:26	4	22.6	5.65	4					11	29.08	2.08	14	3	6.49	2.16	3	2	4.78	2.39	2	17	91.02	3.50	26
11/27	09:03~16:34	2	7.52	3.76	2	1	0.88	0.88	1	19	44.45	2.34	19	2	4.97	2.45	2	2	5.70	2.85	2	20	101.21	3.89	26
11/28	08:57~14:58	3	10.02	3.34	3	1	0.78	0.78	1	14	30.95	2.06	15	3	5.67	1.89	3	2	5.11	2.56	2	17	168.31	4.95	34
11/29	08:48~15:17	3	14.18	3.55	4	1	0.65	0.65	1	13	28.38	1.89	15	3	5.10	1.70	3	1	1.34	1.34	1	24	137.49	4.44	31
11/30	08:36~13:10	3	10.31	3.47	3	1	0.5	0.8	1	5	7.63	1.53	5	2	3.93	1.87	2					18	88.9	3.70	24
	Sab - Total	239	1164.73		357	9	8.71		9	107	251.79		116	330	741.83		356	9	19.17		9	139	907.58		203
	Ave			3.26				0.97				2.17				2.08				2.13				4.47	

Code : T.Measure = Time of Measurement   N.V = Number of vehicles   Ave = Mean Average   Tri = Number of Trips

Weight Measurement Data

Date	T.Measure	Municipalidad				Estatal				Cooperativa				Asociacion				Independiente				Particular			
		N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri
12/01	08:55~14:37	2	4.98	2.49	2					15	32.83	2.19	15	2	5.43	2.72	2					20	77.13	3.35	23
12/02	09:03~12:07	1	1.51	1.51	1																	3	21.13	7.04	3
12/03	08:28~16:22									2	3.68	1.84	2	61	194.95	2.87	68					7	29.23	3.65	8
12/04	10:21~16:32													78	245.02	2.95	83					7	34.39	4.91	7
12/05	09:28~16:35													89	221.82	2.33	95	2	8.29	2.76	3	4	19.92		5
12/06	08:42~16:19									1	3.14	3.14	1	100	227.09	2.14	106					8	35.80	4.48	8
12/07	08:56~16:19					1	1.02	1.02	1					96	245.75	2.46	100	1	4.30	4.30	1	4	17.91	4.48	4
12/08	09:06~15:18													82	176.97	2.13	83					3	17.51	3.50	5
12/09	10:41~11:14													2	1.76	0.88	2								
12/10	09:01~14:40	30	175.15	3.30	53									3	4.47	1.49	3								
12/11	08:39~13:36	33	144.08	3.00	48									1	0.39	0.39	1					1	4.06	4.06	1
12/12	08:47~13:53	33	148.84	3.04	49	1	0.68	0.68	1					2	7.36	3.68	2					1	0.01	0.01	1
12/13	08:14~14:13	35	175.25	3.07	57									1	1.07	1.07	1								
12/14	08:25~13:45	32	165.74	3.25	51																	1	0.39	0.39	1
12/15	08:27~12:45	14	64.12	2.56	25																	1	2.88	2.88	1
12/16	08:21~12:37	13	95.65	3.09	31																				
12/17	08:42~16:11	2	8.69	4.35	2					14	38.23	2.39	16	2	6.47	3.24	2					21	159.76	5.51	29
12/18	08:50~16:12	3	12.84	4.28	3	1	5.59	5.59	1	18	37.15	2.06	18	4	10.17	2.54	4					17	87.20	3.63	24
12/19	08:32~16:18	2	6.45	3.23	2	1	0.98	0.98	1	16	34.17	2.01	17	3	14.16	4.72	3					16	123.48	5.37	23
12/20	11:18~16:09	2	6.04	3.02	2					18	43.03	2.15	20	3	7.38	2.46	3					7	25.02	3.57	7
12/21	08:39~16:19	2	6.24	3.12	2					17	40.75	2.26	18	3	3.48	1.16	3					9	47.29	3.94	12
12/22	10:56~14:51	2	6.37	3.19	2					12	24.19	2.01	12	1	5.08	5.08	1					1	1.74	1.74	1
12/23	09:54~12:27	1	5.40	5.40	1					2	1.84	0.92	2	1	1.26	1.26	1								
12/26	08:51~15:47									1	2.12	2.12	1	76	195.59	2.20	89					3	23.55	3.93	6
12/27	08:19~16:45	2	15.36	7.68	2									86	255.72	2.53	101					1	11.80	5.90	2
12/28	09:15~16:35													87	214.59	2.30	93								
	Sub - Total	209	1042.71		333	4	8.27		4	116	261.13		122	783	2045.98		846	3	12.59		4	135	740.2		171
	Ave			3.13				2.07				2.14				2.42				3.15				4.33	

Code : T.Measure = Time of Measurement   N.V = Number of vehicles   Ave = Mean Average   Tri = Number of Trips

3-1-(5)

Date	T.Measure	Municipalidad				Estatal				Cooperativa				Asociacion				Independiente				Particular			
		N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri	N.V	Ton	Ave	Tri
1/02	13:23~16:50													14	35.63	2.55	14								
1/03	08:17~15:13	28	185.31	3.30	56					1	0.92	0.92	1	7	19.99	2.86	7	1	0.99	0.99	1				
1/04	08:13~16:54	30	162.24	3.31	49									5	9.64	1.93	5					2	10.39		2
1/08	08:26~13:43	31	186.60	3.73	50									1	2.94	2.94	1					1	5.85	5.85	1
1/09	08:31~14:47	32	181.26	3.30	55									1	2.57	2.57	1					1	6.12	6.12	1
1/10	08:44~14:27	32	168.99	3.13	54	1	0.81	0.81	1					1	1.55	1.55	1								
1/11	08:17~14:05	35	161.19	2.93	55					1	2.41	2.41	1	1	1.63	1.63	1					1	4.15	4.15	1
1/14	08:57~14:30	4	14.76	2.46	6					12	22.90	1.76	13	4	9.19	2.30	4					5	32.71		7
1/15	08:37~16:38	3	12.37	4.12	3					15	35.14	2.20	16	2	7.69	3.85	2	1	0.70	0.70	1	10	32.52	2.96	11
1/16	09:52~16:46	3	10.64	3.55	3	1	1.00	1.00	1	16	32.20	1.89	17	2	2.33	1.17	2					6	23.85	2.98	8
1/17	08:15~16:40	32	115.58	2.88	40					17	33.64	1.98	17	4	9.41	2.35	4					13	49.45	3.30	15
1/18	08:01~16:03	33	153.54	3.20	48					17	38.80	2.16	18	2	2.05	1.03	2	1	0.61	0.61	1	5	22.34	3.19	7
1/21	08:03~16:27	29	199.30	3.83	52					2	6.46	3.23	2	83	241.12	2.59	93					6	18.85	3.14	6
1/22	08:10~16:14	29	168.30	3.91	43									78	150.68	1.88	80					2	6.02	3.01	2
1/23	08:03~16:19	29	153.92	3.08	50									74	162.27	2.11	77					3	7.69	2.56	3
1/25	08:09~16:18	29	130.12	3.25	40									90	205.80	2.14	96					2	15.66	5.22	3
1/26	08:40~15:20	12	64.90	2.70	24									77	159.66	2.02	79	1	2.88	2.88	1	2	12.54	6.27	2
1/27	08:11~11:46	15	85.88	2.45	35									1	0.13	0.13	1								
1/28	10:34~14:22	29	135.83	3.57	38					1	1.38	1.38	1	4	8.82	2.20	4								
1/29	08:39~14:02	29	143.80	3.27	44									2	1.97	0.99	2					2	7.84	3.92	2
1/30	08:05~14:13	30	133.03	2.66	50									1	1.75	1.75	1					3	12.67	4.22	3
1/31	08:21~13:50	30	138.71	3.02	46									1	0.48	0.48	1					1	1.08	1.08	1
	Sub - Total	524	2706.27		841	2	1.81		2	82	173.85		86	455	1037.3		478	4	5.18		4	65	269.73		75
	Ave			3.22				0.91				2.02				2.17				1.30				3.60	

Code : T.Measure = Time of Measurement   N.V = Number of vehicles   Ave = Mean Average   Tri = Number of Trips

Weight Measurement Data

Date	T.Measure	Municipalidad N.V	Ton	Ave	Tri	Estatal N.V	Ton	Ave	Tri	Cooperativa N.V	Ton	Ave	Tri	Asociacion N.V	Ton	Ave	Tri	Independiente N.V	Ton	Ave	Tri	Particular N.V	Ton	Ave	Tri
2/01	08:27~13:54	30	156.98	3.14	50																	1	3.69	1.84	2
2/02	08:30~12:39	15	75.90	2.53	30									1	4.13	4.13	1								
2/03	07:59~12:43	13	102.88	2.78	37																				
2/04	08:15~16:20	2	16.03	4.00	4	1	0.73	0.73	1	15	33.91	2.00	17	1	2.62	2.62	1					9	41.83	3.22	13
2/05	08:29~15:53	2	13.16	4.39	3	1	0.88	0.88	1	18	45.78	2.41	19	3	11.72	3.91	3					6	9.33	1.33	7
2/06	09:00~16:53	1	7.60	3.80	2	1	1.47	1.47	1	13	25.82	1.99	13	1	1.03	1.03	1					5	15.61	2.60	6
2/07	09:36~16:13	1	13.29	3.32	3	1	0.81	0.81	1	14	26.76	1.91	14					1	1.08	1.08	1	4	20.81	2.97	7
2/08	08:36~16:32	3	14.22	3.55	4					18	48.45	2.55	19					1	1.15	1.15	1	7	21.39	2.67	8
2/09	08:11~15:06	3	8.71	2.90	3					17	32.96	1.93	17	2	8.09	4.04	2					2	5.04	2.52	2
2/11	08:31~14:23													41	105.38	2.45	43								
2/18	10:14~14:00	27	137.48	3.81	36									1	1.51	1.51	1								
2/19	08:54~13:40	30	143.54	3.26	44																	1	4.23	4.23	1
2/20	08:26~14:47	30	139.15	3.31	42																	1	4.37	4.37	1
2/21	08:58~14:15	30	127.23	3.26	39																				
2/22	08:23~13:44	30	119.45	3.06	39																				
2/23	08:20~15:07	11	50.63	2.66	19									2	7.54	3.77	2	1	1.72	1.72	1				
	Sub - Total	228	1126.25		355	4	3.89		4	95	213.68		99	52	142.02		54	3	3.95		3	36	126.3		47
	Ave			3.17				0.97				2.16				2.63				1.32				2.69	
	Total	1579	7735.56		2350	44	79.74		46	514	1147.02		538	2124	5185.59		2259	20	42.14		21	610	3171.75		774
	Ave			3.29				1.73				2.32				2.30				2.01				4.10	

Code : T.Measure = Time of Measurement   N.V = Number of vehicles   Ave = Mean Average   Tri = Number of Trips

Waste Weight Hauled by Classification

3-2-(1)

Date	Loading Weight (t)						
	Refuse	Const.Waste	Earth	Others	Total	Measure Time	Hours
9.13	26.33	0.00	0.00	0.00	26.33	11:31~12:55	
17	78.07	0.00	0.00	0.00	78.07	9:47~12:29	
18	179.63	0.00	0.00	0.00	179.63	10:07~12:17	
20	44.48	0.00	0.00	0.00	44.48	9:15~12:53	
21	94.36	0.00	5.86	0.00	100.22	10:38~13:17	
24	27.26	50.90	58.13	11.77	148.06	9:47~11:50	
26	15.26	49.39	32.40	4.09	101.14	9:23~11:49	
27	15.27	8.12	18.77	14.97	57.13	11:05~13:23	
28	16.43	10.16	29.83	5.46	61.88	10:33~12:34	
29	24.87	6.44	26.43	0.00	57.74	10:28~14:15	
30	49.99	0.00	0.00	0.00	49.99	10:26~10:55	

Waste Weight Hauled by Classification

3-2-(2)

Date		Loading Weight (t)					
	Refuse	Const.Waste	Earth	Others	Total	Measure Time Hours
10.01	28.37	0.00	0.00	0.00	28.37	11:13~12:03
02	64.70	0.00	0.00	0.00	64.70	10:59~12:11
03	14.94	0.00	5.26	0.00	20.21	10:05~10:45
04	104.33	2.83	6.24	0.00	113.40	10:03~13:17
08	83.32	0.00	17.97	0.00	101.29	9:58~12:44
09	104.09	0.00	6.03	0.00	110.12	10:16~12:07
10	136.17	0.00	11.21	0.00	147.38	11:04~13:50
11	135.11	0.00	5.05	0.00	140.16	8:55~13:56
12	118.89	5.73	0.00	0.00	124.62	11:10~14:00
13	53.65	0.00	0.00	0.00	53.65	10:43~13:35
14	70.68	0.00	0.00	0.00	70.68	9:42~12:12
15	46.96	48.01	98.05	9.22	202.24	9:08~14:22
16	44.17	34.15	30.65	7.81	116.78	9:19~13:44
17	50.62	34.63	65.90	7.94	159.09	9:01~13:48
18	43.94	22.62	11.17	3.19	80.92	11:09~14:15
19	45.08	21.32	137.21	3.25	206.86	9:08~14:18
20	54.56	13.23	36.92	42.81	147.52	9:22~14:39
21	55.47	0.00	0.00	0.00	55.47	8:35~11:39
22	135.29	1.50	21.48	3.45	161.72	9:04~16:37
22	164.09	5.72	6.83	0.00	176.64	9:08~17:09
25	206.18	0.00	6.39	0.00	212.57	10:59~15:02
26	244.53	0.00	0.00	0.00	244.53	9:29~16:57
27	164.63	0.00	0.00	0.00	164.63	8:38~15:21
28	12.86	0.00	0.00	0.00	12.86	10:53~11:10
29	220.87	0.00	4.61	0.00	225.48	8:53~14:19
30	152.17	4.28	0.00	0.00	156.45	8:48~13:54
31	140.20	0.00	6.67	0.0	146.87	9:07~14:43

Waste Weight Hauled by Classification

3-2-(3)

Date			Loading Weight (t)			
	Refuse	Const.Waste	Earth	Others	Total	Measure Time Hours
11.02	163.43	0.00	0.00	0.00	163.43	9:43~14:48
03	65.19	0.00	1.84	0.00	67.03	8:42~12:33
04	95.80	0.00	0.00	0.00	95.80	8:32~12:13
05	47.07	0.00	8.59	0.00	55.66	12:46~16:34
08	36.61	26.25	32.42	37.49	132.77	10:42~16:19
09	42.90	42.37	97.44	38.15	220.86	9:14~16:13
10	22.28	4.49	12.71	0.00	39.48	9:46~14:33
12	146.93	0.00	3.94	0.00	150.87	8:56~14:06
13	108.62	3.70	0.00	2.88	115.20	9:12~15:25
14	110.18	0.00	0.00	0.00	110.18	8:53~16:19
15	163.87	0.00	0.00	0.00	163.87	9:41~16:22
16	179.25	0.00	0.00	0.26	179.51	12:20~16:40
17	124.70	0.00	0.00	0.00	124.70	9:38~15:11
19	201.92	11.92	0.00	2.83	216.67	9:04~14:05
21	110.53	0.00	0.00	0.00	110.53	10:40~14:13
23	134.82	0.00	5.53	0.00	140.35	9:22~14:11
24	76.93	0.00	0.00	0.14	77.07	9:45~12:22
25	91.88	0.00	0.00	0.00	91.88	8:39~12:06
26	72.60	12.65	41.79	26.93	153.97	8:28~16:26
27	75.13	49.26	18.35	21.99	164.73	9:03~16:34
28	86.49	38.52	74.50	21.33	220.84	8:57~14:58
29	57.61	51.17	60.78	17.58	187.14	8:48~15:17
30	25.47	20.39	59.27	6.24	111.37	8:36~13:10

Waste Weight Hauled by Classification

3-2-(4)

Date   Loading Weight (t)

Date	Refuse	Const.Waste	Earth	Others	Total	Measure Time Hours
12.01	44.54	28.76	42.15	4.92	120.37	8:55~14:37
02	1.51	21.13	0.00	0.00	22.64	9:03~12:07
03	201.96	13.17	12.73	0.00	227.86	8:28~16:22
04	250.67	18.27	10.47	0.00	279.41	10:21~16:32
05	230.36	0.00	12.66	7.01	250.03	9:28~16:35
06	232.62	8.95	20.51	3.95	266.03	8:42~16:19
07	258.19	5.55	5.24	0.00	268.98	8:56~16:19
08	189.05	3.27	2.16	0.00	194.48	9:06~15:18
09	1.76	0.00	0.00	0.00	1.76	10:41~11:14
10	179.62	0.00	0.00	0.00	179.62	9:01~14:40
11	144.47	0.00	4.06	0.00	148.53	8:39~13:36
12	156.88	0.01	0.00	0.00	156.89	8:47~13:53
13	167.58	0.00	8.74	0.00	176.32	8:14~14:13
14	154.02	5.71	6.01	0.39	166.13	8:25~13:45
15	64.12	0.00	0.00	2.88	67.00	8:27~12:45
16	95.65	0.00	0.00	0.00	95.65	8:21~12:37
17	62.89	24.31	105.21	20.74	213.15	8:42~16:11
18	71.39	43.32	19.17	19.07	152.95	8:50~16:12
19	58.24	32.74	70.17	18.09	179.24	8:32~16:18
20	58.08	10.39	7.90	5.10	81.47	11:18~16:09
21	52.21	2.16	28.25	15.14	97.76	8:39~16:19
22	37.38	0.00	0.00	0.00	37.38	10:56~14:51
23	8.50	0.00	0.00	0.00	8.50	9:54~12:27
26	198.07	5.94	17.25	0.00	221.26	8:51~15:47
27	271.08	11.80	0.00	0.00	282.88	8:19~16:45
28	214.59	0.00	0.00	0.00	214.59	9:15~16:35

Waste Weight Hauled by Classification

3-2-(5)

Date	Loading Weight (t)					
	Refuse	Const.Waste	Earth	Others	Total	Measure Time Hours
01.02	35.63	0.00	0.00	0.00	35.63	13:23~16:50
03	207.21	0.00	0.00	0.00	207.21	8:17~15:13
04	176.36	0.00	5.91	0.00	182.27	8:13~16:54
08	189.54	0.00	5.85	0.00	195.39	8:26~13:43
09	183.83	0.00	6.12	0.00	189.95	8:31~14:47
10	171.35	0.00	0.00	0.00	171.35	8:44~14:27
11	165.23	0.00	4.15	0.00	169.38	8:17~14:05
14	47.47	11.15	3.92	17.02	79.56	8:57~14:30
15	59.27	9.38	0.00	19.77	88.42	8:37~16:38
16	50.28	0.00	11.67	8.07	70.02	9:52~16:46
17	169.70	18.35	3.94	16.09	208.08	8:15~16:40
18	199.73	4.89	0.00	12.72	217.34	8:01~16:03
21	450.14	3.01	9.62	2.96	465.73	8:03~16:27
22	325.00	0.00	0.00	0.00	325.00	8:10~16:14
23	313.95	4.83	5.10	0.00	323.88	8:03~16:19
25	325.65	5.55	20.38	0.00	351.58	8:09~16:18
26	227.44	0.00	12.54	0.00	239.98	8:40~15:20
27	86.01	0.00	0.00	0.00	86.01	8:11~11:46
28	146.03	0.00	0.00	0.00	146.03	10:34~14:22
29	145.77	3.46	4.38	0.00	153.61	8:39~14:02
30	134.78	12.67	0.00	0.00	147.45	8:05~14:13
31	140.27	0.00	0.00	0.00	140.27	8:21~13:50

Waste Weight Hauled by Classification

3-2-(6)

Date	Loading Weight (t)					
	Refuse	Const.Waste	Earth	Others	Total	Measure Time Hours
02.01	140.09	10.87	6.02	3.69	160.67	8:27~13:54
02	80.03	0.00	0.00	0.00	80.03	8:30~12:39
03	102.88	0.00	0.00	0.00	102.88	7:59~12:43
04	59.07	21.64	11.86	2.55	95.12	8:15~16:20
05	76.36	2.54	0.00	1.97	80.87	8:29~15:53
06	37.73	9.66	0.00	4.14	51.53	9:00~16:53
07	45.71	11.32	5.72	0.00	62.75	9:36~16:13
08	68.76	3.75	10.20	2.50	85.21	8:36~16:32
09	49.91	0.00	4.89	0.00	54.80	8:11~15:06
11	105.38	0.00	0.00	0.00	105.38	8:31~14:23
18	138.99	0.00	0.00	0.00	138.99	10:14~14:00
19	143.54	0.00	4.23	0.00	147.77	8:54~13:40
20	143.52	0.00	0.00	0.00	143.52	8:26~14:47
21	127.23	0.00	0.00	0.00	127.23	8:58~14:15
22	119.45	0.00	0.00	0.00	119.45	8:23~13:44
23	59.89	0.00	0.00	0.00	59.89	8:20~15:07

Municipal Vehicles Efficiency

Date		Convoy Service (1)				Collection Vehicles (2)				Total (1)+(2)				Special Note
		No-Veh	Trips	Load	Load Rate	No-Veh	Trips	Load	Load Rate	No-Veh	Trips	Load	Load Rate	
Date	W—D	icle	(Times)	(t)	(t/truck)	icle	(Times)	(t)	(t/truck)	icle	(Times)	(t)	(t/truck)	(Container Test Vehicle)
1/2	WED													
1/3	THU	32	6	9.35	1.56									
		45	8	20.41	2.55									
		761	7	7.40	1.06									
		(3)	(21)	(37.16)	(1.77)	(25)	(35)	(104.83)	(3.00)	(28)	(56)	(141.99)	(2.54)	No.41, 2, 10.8
1/4	FRI	32	7	9.75	1.39									
		45	4	9.28	2.32									
		761	7	8.60	1.23									
		(3)	(18)	(27.63)	(1.54)	(26)	(28)	(121.42)	(4.34)	(29)	(46)	(149.05)	(3.24)	No.41, 2, 8.43
1/8	TUE	32	8	21.14	2.64									
		45	2	4.43	2.22									
		761	7	15.76	2.25									
		(3)	(17)	(41.33)	(2.43)	(27)	(32)	(137.87)	(4.31)	(30)	(49)	(179.2)	(3.66)	No.41, 1, 7.40
1/9	WED	32	5	10.18	2.04									
		45	8	17.51	2.19									
		761	7	7.28	1.04									
		(3)	(20)	(34.97)	(1.75)	(28)	(34)	(139.61)	(4.11)	(31)	(54)	(174.58)	(3.23)	No.41, 1, 6.68
1/10	THU	32	7	10.37	1.48									
		45	7	18.28	2.61									
		761	7	15.02	2.15									
		(3)	(21)	(43.67)	(2.08)	(28)	(32)	(119.66)	(3.74)	(31)	(53)	(163.33)	(3.08)	No.41, 1, 5.66

Municipal Vehicles Efficiency

Date		Convoy Service (1)				Collection Vehicles (2)				Total (1)+(2)				Special Note
		No-Veh	Trips	Load	Load Rate	No-Veh	Trips	Load	Load Rate	No-Veh	Trips	Load	Load Rate	
Date	W—D	icle	(Times)	(t)	(t/truck)	icle	(Times)	(t)	(t/truck)	icle	(Times)	(t)	(t/truck)	(Container Test Vehicle)
1／11	F R I	32	5	9.07	1.81									
		45	8	19.51	2.44									
		761	6	8.94	1.49									
		(3)	(19)	(37.52)	(1.97)	(32)	(36)	(123.67)	(3.44)	(35)	(55)	(161.19)	(2.93)	No.41, 1, 6.74
1／14	M O N					(2)	(2)	(8.11)	(4.06)	(2)	(2)	(8.11)	(4.06)	No.41, 1, 4.62
1／15	T U E					(3)	(3)	(12.37)	(4.12)	(3)	(3)	(12.37)	(4.12)	—
1／16	W E D					(3)	(3)	(10.64)	(3.55)	(3)	(3)	(10.64)	(3.55)	—
1／17	T H U	32	2	3.71	1.86									
		761	7	11.90	1.70									
		(2)	(9)	(15.61)	(1.73)	(30)	(31)	(99.97)	(3.22)	(32)	(40)	(115.58)	(2.89)	No.41, 1, 2.43
1／18	F R I	32	7	18.39	2.63									
		44	3	6.96	2.32									
		761	7	8.32	1.19									
		(3)	(17)	(33.67)	(1.98)	(30)	(31)	(119.87)	(3.87)	(33)	(48)	(153.54)	(3.20)	No.41, 1, 2.43
1／21	M O N	44	8	23.42	2.93									
		761	10	21.23	2.12									
		(2)	(18)	(44.65)	(2.48)	(27)	(34)	(154.65)	(4.55)	(29)	(52)	(199.3)	(3.83)	No.41, 1, 5.81
1／22	T U E	44	6	22.90	3.82									
		761	6	13.72	2.29									

Municipal Vehicles Efficiency

Date	W—D	Convoy Service (1)				Collection Vehicles (2)				Total (1)+(2)				Special Note
		No-Vehicle	Trips (Times)	Load (t)	Load Rate (t/truck)	No-Vehicle	Trips (Times)	Load (t)	Load Rate (t/truck)	No-Vehicle	Trips (Times)	Load (t)	Load Rate (t/truck)	(Container Test Vehicle)
		(2)	(12)	(36.62)	(3.05)	(27)	(31)	(131.68)	(4.25)	(29)	(43)	(168.30)	(3.91)	No.41, 1, 7.39
1/23	WED	32	9	21.15	2.35									
		44	4	15.85	3.96									
		761	7	9.07	1.30									
		(3)	(20)	(46.07)	(2.30)	(26)	(30)	(107.85)	(3.60)	(29)	(50)	(153.92)	(3.08)	No.41, 1, 2.79
1/24	THU	32	2	1.84	0.92									
		44	8	19.50	2.44									
		761	7	16.69	2.38									
		(3)	(17)	(38.03)	(2.34)	(28)	(30)	(110.55)	(3.69)	(31)	(47)	(148.58)	(3.16)	No.41, 1, 4.54
1/25	FRI	32	5	14.78	2.96									
		44	5	12.50	2.50									
		(2)	(10)	(27.28)	(2.73)	(27)	(30)	(102.84)	(3.43)	(29)	(40)	(130.12)	(3.25)	No.41, 1, 5.45
1/26	SAT	32	6	12.21	2.04									
		44	7	16.60	2.37									
		761	2	0.37	0.19									
		(3)	(15)	(29.18)	(1.95)	(9)	(9)	(35.72)	(3.97)	(12)	(24)	(64.90)	(2.70)	No.41, 1, 4.92
1/27	SUN	32	8	16.98	2.12									
		44	8	20.80	2.60									
		761	7	10.40	1.49									
		(3)	(23)	(48.18)	(2.09)	(12)	(12)	(37.70)	(3.14)	(15)	(35)	(85.88)	(2.45)	No.41, 1, 4.56

Municipal Vehicles Efficiency

Date		Convoy Service (1)				Collection Vehicles (2)				Total (1)+(2)				Special Note
		No-Veh	Trips	Load	Load Rate	No-Veh	Trips	Load	Load Rate	No-Veh	Trips	Load	Load Rate	
Date	W—D	icle	(Times)	(t)	(t/truck)	icle	(Times)	(t)	(t/truck)	icle	(Times)	(t)	(t/truck)	(Container Test Vehicle)
1／28	M O N	32	4	7.10	1.78									
		44	4	11.96	2.99									
		761	1	1.23	1.23									
		(3)	(9)	(20.29)	(2.25)	(26)	(29)	(115.54)	(3.98)	(29)	(38)	(135.83)	(3.57)	No.41, 1, 4.27
1／29	T U E	32	6	8.71	1.45									
		44	5	17.88	3.58									
		761	4	3.65	0.91									
		(3)	(15)	(30.24)	(2.02)	(26)	(27)	(113.56)	(4.21)	(29)	(42)	(143.80)	(3.42)	No.41, 1, 7.18
1／30	W E D	32	6	11.88	1.98									
		44	7	18.58	2.65									
		761	6	9.62	1.60									
		(3)	(19)	(40.08)	(2.10)	(27)	(31)	(92.95)	(3.00)	(30)	(50)	(133.03)	(2.66)	No.41, 1, 3.84
1／31	T H U	32	3	4.82										
		44	6	14.00										
		761	7	13.27										
		(3)	(16)	(32.09)	(2.01)	(27)	(30)	(103.00)	(3.43)	(30)	(46)	(135.09)	(2.94)	No.41, 1, 3.71

Municipal Vehicles Efficiency

Date		Convoy Service (1)				Collection Vehicles (2)				Total (1)+(2)				Special Note
Date	W—D	No-Veh icle	Trips (Times)	Load (t)	Load Rate (t/truck)	No-Veh icle	Trips (Times)	Load (t)	Load Rate (t/truck)	No-Veh icle	Trips (Times)	Load (t)	Load Rate (t/truck)	(Container Test Vehicle)
2／1	F R I	32	8	22.19										
		44	5	13.12										
		761	5	10.80										
		(3)	(18)	(46.11)	(2.56)	(27)	(32)	(110.87)	(3.46)	(30)	(50)	(156.98)	(3.14)	No.41, 1, 5.46
2／2	S A T	32	4	8.95										
		44	6	15.92										
		761	7	6.46										
		(3)	(17)	(31.33)	(1.84)	(12)	(13)	(59.80)	(4.60)	(15)	(30)	(91.13)	(3.04)	No.41, 1, 2.96
2／3	S U N	32	9	20.31										
		44	10	25.31										
		761	8	12.92										
		(3)	(27)	(58.54)	(2.17)	(10)	(10)	(44.34)	(4.43)	(13)	(37)	(102.88)	(2.78)	No.41, 1, 5.21
2／4	M O N					(2)	(4)	(12.59)	(3.15)	(2)	(4)	(12.59)	(3.15)	
2／5	T U E					(1)	(2)	(8.73)	(4.37)	(1)	(2)	(8.73)	(4.37)	
2／6	W E D					(1)	(2)	(7.60)	(3.80)	(1)	(2)	(7.60)	(3.80)	
2／7	T H U					(1)	(3)	(10.80)	(3.60)	(1)	(3)	(10.80)	(3.60)	
2／8	F R I					(1)	(1)	(3.75)	(3.75)	(1)	(1)	(3.75)	(3.75)	
2／9	S A T					(3)	(3)	(8.71)	(2.90)	(3)	(3)	(8.71)	(2.90)	

Municipal Vehicles Efficiency

Date		Convoy Service (1)				Collection Vehicles (2)				Total (1)+(2)				Special Note
		No-Veh	Trips	Load	Load Rate	No-Veh	Trips	Load	Load Rate	No-Veh	Trips	Load	Load Rate	
Date	W—D	icle	(Times)	(t)	(t/truck)	icle	(Times)	(t)	(t/truck)	icle	(Times)	(t)	(t/truck)	(Container Test Vehicle)
2／11	M O N													
2／18	M O N	32	2	4.10										
		44	5	12.23										
		(2)	(7)	(16.33)	(2.33)	(25)	(29)	(121.15)	(4.18)	(27)	(36)	(137.48)	(3.82)	No.41, 1, 5.12
2／19	T U E	32	7	9.11										
		44	4	7.67										
		(2)	(11)	(16.78)	(1.53)	(28)	(33)	(130.95)	(3.97)	(30)	(44)	(147.73)	(3.36)	No.41, 1, 4.27
2／20	W E D	32	6	8.84										
		44	6	15.23										
		(2)	(12)	(24.07)	(2.00)	(29)	(31)	(119.45)	(3.85)	(31)	(43)	(143.52)	(3.34)	No.41, 1, 3.87
2／21	T H U	32	5	6.84										
		44	5	13.38										
		(2)	(10)	(20.22)	(2.02)	(28)	(29)	(107.01)	(3.69)	(30)	(39)	(127.23)	(3.26)	No.41, 1, 4.24
2／22	F R I	32	4	4.50										
		44	6	13.62										
		(2)	(10)	(18.12)	(1.81)	(28)	(29)	(101.33)	(3.94)	(30)	(39)	(119.45)	(3.06)	No.41, 1, 3.85
2／23	S A T	32	3	4.40										
		44	7	11.30										
		(2)	(10)	(15.70)	(1.57)	(9)	(9)	(34.93)	(3.88)	(11)	(19)	(50.63)	(2.66)	—

3-4-(1)

Number of Vehicles Arrived at Trebol site

ASSOCIATION ~

Time\Date	JL/30 (M)	JL/31 (T)	AG/9 (Th)	AG/10 (F)	AG/11 (Sa)	AG/13 (M)	AG/14 (T)	Average	Remark
7 – 8	0	2	0	1	2	4	2	2	
8 – 9	2	4	3	1	3	1	1	2	
9 – 10	4	3	3	4	2	5	5	4	
10 – 11	14	5	9	8	8	7	12	9	
11 – 12	13	11	19	17	21	19	5	15	
12 – 13	13	15	26	23	28	14	19	20	
13 – 14	24	35	25	23	22	27	24	30	
14 – 15	25	25	24	24	27	31	31	26	
15 – 16	28	24	16	19	8	19	17	19	
Total	123	124	125	120	121	127	116	122	

Number of Vehicles Arrived at Trebol site

COOPERATIVA

Time\Date	JL/30 (M)	JL/31 (T)	AG/9 (Th)	AG/10 (F)	AG/11 (Sa)	AG/13 (M)	AG/14 (T)	Average	Remark
7 – 8	0	1	0	0	0	0	0	0	
8 – 9	0	1	0	1	1	0	0	0	
9 – 10	1	0	1	0	2	1	0	1	
10 – 11	2	1	0	0	2	2	3	2	
11 – 12	2	4	3	6	5	4	1	4	
12 – 13	1	4	7	1	4	2	3	3	
13 – 14	6	4	6	8	11	4	7	7	
14 – 15	8	4	2	4	1	3	6	4	
15 – 16	2	10	1	5	1	5	5	4	
Total	22	29	20	25	27	21	25	24	

Number of Vehicles Arrived at Trebol site

INDEPENDIENTE

3-4-(3).

Time\Date	JL/30 (M)	JL/31 (T)	AG/9 (Th)	AG/10 (F)	AG/11 (Sa)	AG/13 (M)	AG/14 (T)	Average	Remark
7 — 8	0	0	0	1	0	0	0	0	
8 — 9	0	0	0	0	0	1	0	0-1	
9 — 10	0	1	0	0	0	0	0	0-1	
10 — 11	0	0	0	0	0	0	0	0	
11 — 12	0	0	1	0	1	0	0	0-1	
12 — 13	0	0	1	0	1	0	0	0-2	
13 — 14	0	1	2	0	2	1	0	0-2	
14 — 15	3	1	4	2	1	0	1	2	
15 — 16	1	0	1	1	0	1	3	1	
Total	4	3	9	4	5	3	4	5	

3-4-(4)

Number of Vehicles Arrived at Trebol site

PARTICULARES

Time\Date	JL/30 (M)	JL/31 (T)	AG/9 (Th)	AG/10 (F)	AG/11 (Sa)	AG/13 (M)	AG/14 (T)	Average	Remark
7 — 8	0	2	0	1	3	2	7	2	
8 — 9	2	9	4	8	12	3	8	7	
9 — 10	2	7	11	13	12	9	5	8	
10 — 11	10	4	10	10	12	9	10	9	
11 — 12	11	4	4	7	12	7	13	8	
12 — 13	2	14	3	12	1	9	2	6	
13 — 14	2	5	2	8	14	5	6	6	
14 — 15	5	9	8	6	10	12	11	7	
15 — 16	2	13	9	10	2	11	10	8	
Total	36	67	51	75	78	67	72	64	

Number of Vehicles Arrived at Trebol site

MUNICIPALIDAD

3-4-(5)

Time\Date	JL/30 (M)	JL/31 (T)	AG/9 (Th)	AG/10 (F)	AG/11 (Sa)	AG/13 (M)	AG/14 (T)	Average	Remark
7 – 8	1	2	0	0	2	6	2	2	
8 – 9	5	5	6	4	3	3	2	4	
9 – 10	10	4	9	6	6	11	8	8	
10 – 11	10	6	4	11	4	12	7	8	
11 – 12	6	6	5	4	14	3	26	9	
12 – 13	9	26	7	17	4	9	11	12	
13 – 14	21	4	27	17	1	21	5	14	
14 – 15	3	0	3	2	0	10	2	3	
15 – 16	0	0	0	0	0	0	0	0	
Total	65	53	61	61	35	75	63	59	

Number of Vehicles Arrived at Trebol site

CARRETAS

3-4-(6)

Time\Date	JL/30 (M)	JL/31 (T)	AG/9 (Th)	AG/10 (F)	AG/11 (Sa)	AG/13 (M)	AG/14 (T)	Average	Remark
7－8	0	1	0	0	1	0	1	0-1	
8－9	0	1	0	0	0	1	0	0-1	
9－10	0	1	2	1	2	0	2	1-2	
10－11	0	2	2	1	2	4	0	2	
11－12	0	1	12	5	10	3	6	5	
12－13	6	6	8	10	7	7	5	7	
13－14	12	10	8	6	7	14	12	10	
14－15	9	7	4	9	9	9	5	7	
15－16	5	6	4	4	2	6	5	10	
Total	32	35	40	37	40	44	36	38	

Number of Vehicles Arrived at Trebol site

TIERRA Y RIPIO

Time\Date	JL/30 (M)	JL/31 (T)	AG/9 (Th)	AG/10 (F)	AG/11 (Sa)	AG/13 (M)	AG/14 (T)	Average	Remark
7 — 8	8	9	7	3	3	1	2	5	
8 — 9	8	10	10	12	10	5	9	9	
9 — 10	11	14	14	14	14	6	10	12	
10 — 11	9	13	14	17	16	10	13	13	
11 — 12	12	14	13	8	22	41	16	14	
12 — 13	13	15	7	16	8	5	5	10	
13 — 14	23	7	11	10	3	5	12	10	
14 — 15	20	14	15	9	3	11	15	13	
15 — 16	22	12	17	14	2	8	7	12	
Total	126	108	105	103	81	61	89	96	