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# Palestinian Environmental Improvement Program

Award No. 294-A-00-01-00116-00

Quarterly Report No. 4

April – June 2002

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Monday, September 02, 2002

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## I. Executive Summary

### A. Overview

On June 11<sup>th</sup>, 2001, CHF received a grant from USAID<sup>1</sup> to implement the Palestinian Environmental Improvement Program (PEIP) in support of USAID's Emergency Employment Generation Program. The program is being implemented and managed by CHF in partnership with Gaza Municipality. Total funding for the program is \$4,564,955 of which USAID is providing \$3,280,591. CHF and the Gaza Municipality will make contributions to the program of \$1,284,364.



The principal goal of the program is to create both immediate short-term employment and long-term sustainable employment in Gaza City. The program consists of the labor-intensive cleaning of open areas in Gaza City where dirt, litter and debris have accumulated. In effect, not only does the PEIP create employment but also contributes to improvements in the quality of life for up to 380,000 Palestinians in Gaza City. Trained public awareness teams work directly with the public (individuals and businesses) to ensure that once an area has been cleaned, the public would work to maintain its cleanliness. Finally, in addition to employment generation and quality-of-life improvements, at least 190 persons will be vocationally trained over the life of the program. Those trained will be better qualified to enter the permanent job market at the end of the program.



The program is being implemented in partnership with the Gaza City Municipality. The Municipality is responsible for the transportation of waste collected from public areas to the municipal dump site(s). When open areas are cleaned by CHF program personnel, the waste is collected and deposited at strategic points throughout the city. The municipality then transports the collected solid waste to the environmentally safe landfill. This unique partnership allows for a significant local contribution to the program.

### B. Expected Results

At the end of the program, CHF will have:

- Created 5,640 person months of direct employment (171,550 person days);
- Generated 632 person months of "spin-off" employment (19,213 person days);
- Reduced poverty and social exclusion for the 1,950 family members of the persons employed under the program;
- Created 55 new full-time permanent municipal jobs;
- Maintained 30-50 existing municipal jobs in Gaza City;



<sup>1</sup> Award No. 294-A-00-01-00116-00.

- Supported municipal waste collection efforts in both the short and long term;
- Cleaned up vacant lots and public lands with accumulated wastes, including the Gaza municipal beach;
- Carried out public awareness activities targeted at Gaza neighborhood citizens and establishments;
- Developed partnerships with municipal leaders, citizens groups, local women's organizations, and local private organizations and NGOs;
- Carried out a rapid assessment of training needs;
- Implemented vocational training of at least 190 persons, who will be better qualified to enter the permanent job market at program end; and
- Conducted an end-term assessment of training effectiveness and potential employability.

The following table shows the planned outputs for the two-year program period:

Output	Planned for entire program period
Direct employment generation	171,550 person days of employment (5,640 person months)
Income generated by employment hires	\$1,897,417
Direct Beneficiaries per month	235 persons X 6.9 average family size = 1,622 persons
m <sup>3</sup> solid waste collected	50,000 m <sup>3</sup>
m <sup>2</sup> cleaned	1,700 dunams
Training hours provided	61,355 hours

## II. Staffing

CHF had originally proposed to hire a management team of 5 persons. The current team consists of 7 persons including the Country Director. The position of Deputy Director/Senior Engineer has been split into 2 positions.

The management team consists of:

Name	Title
M. Lovick	Country Director
L. Zonneveld	Program Director
T. Zourob	Deputy-Program Director
N. Jamala	Senior Engineer
N. Zakout	Senior Community Services Specialist
A. Skaik	Financial Controller
O. Haddad	MIS and Training Coordinator

### III. Current Activities

#### A. Current Status

PEIP has met with unprecedented success and is operating well ahead of schedule. Moreover, during the period April 1<sup>st</sup> through June 30<sup>th</sup>, PEIP's field staff have continued working full time, despite the many challenges resulting from the on-going conflict. The CHF/PEIP office has not been closed for a single day during this period.

CHF has been active in promoting a PEIP expansion proposal in the West Bank and Gaza Strip. Contacts and meetings were made with the mayors of Ramallah, Al-Bireh, Nablus, and in the Gaza Strip, the Northern Villages of Beit Hanoun, Beit Lahia, and Jabaliya. The proposal has been submitted to USAID on March 30, 2002. The application for the Palestinian Environmental Improvement Program Expansion proposal in the West Bank and Gaza North was determined to be responsive to the APS and therefore, was selected for award on May 21, 2002.

Due to frequent closures of access roads to the municipal landfill, large amounts of household waste remain uncollected at several transfer stations in and around Gaza City, as well on the streets. Due to restrictions on movement put in place since the beginning of the Intifada throughout the West Bank and Gaza, the Palestinian Authority and its constituent municipalities have experienced significant revenue losses. As a result, basic public services have declined. The Gaza Municipality does not have the financial, equipment or staffing resources to re-transfer this waste to the municipal, environmentally sound landfill.

##### 1. Municipal Partnership

Due to the financial crisis in the Palestinian Authority and in local municipalities, the Gaza Municipality is experiencing a decline in its revenue base. This decline affects the amount of income Gaza Municipality can contribute to their share of the waste transport costs, in addition to the abovementioned problem of internal closures of the roads to the landfill. PEIP has actively sought to alleviate this problem by submitting a request for funding under USAID's Emergency Rapid Response Request in March.



The funds were specifically requested for contracting out waste re-transport to the municipal landfill. In addition, funds were requested to hire additional laborers (female and male). PEIP has been very successful in hiring and managing a workforce of over 240 persons. It remains feasible for CHF to hire additional laborers on very short notice without compromising the present quality of the program, and thereby to generate additional person months of employment at a very low cost.

##### 2. Partnership Development and Neighborhood Committees

CHF-PEIP organized 48 general neighborhood meetings, in which approximately 1,673 people participated. Also, CHF-PEIP organized 79 central neighborhood meetings with over 550 participants, and CHF teamed up with a journalist association and the General Union of Palestinian Women.

Every summer, numerous summer camps for children are organized in the Gaza Strip and West Bank. CHF/PEIP wishes to contribute to these children's summer activities in Gaza City and to raise public awareness on environmental improvement. To this end, members of the PEIP public awareness team have identified several neighborhoods in Gaza City where previously cleaned vacant lots are accumulating new waste and construction debris. Children living around these neighborhoods have been invited to join a two-week cleaning and public awareness program. PEIP staff have identified 9 local government and non-governmental organizations in 9 neighborhoods where the environmental summer camps will take place. More than 300 children, aged 8 to 16, will participate.

Approximately 120 children of the PEIP employment generation laborers are participating in a summer camp organized by the Childhood Department of the Ministry of Youth and Sports in cooperation with UNICEF. The camp began on July 4.

### 3. Surveys, WRAPs, Public Awareness Program, and Sustainability

CHF-PEIP prepared a detailed Plan of Operations that integrates the baseline and ongoing survey activities with the Waste Removal Action Plans, public awareness program, and their follow-up activities.

The Senior Public Awareness Specialist is not only coordinating the Community Involvement Activities, but also leads the team of Public Awareness (women) as well as the team of surveyors. Such a coordinating position ensures the orderly planning and execution of all field work.

### 4. Beneficiaries and Impact Indicators

In the original program proposal, CHF had identified strategic objectives, intermediate results and preliminary impact indicators for each of the principal areas of activity.

CHF has prepared a detailed plan to monitor and evaluate the effectiveness and impact of the program, including quantitative and qualitative indicators specific to each activity. In May, CHF participated in meetings with USAID, Good Shepherd Engineering & Computing Company, and other grantees on monitoring of Community Services Programs and Emergency Employment Generation Programs using a GIS.



The following Impact Indicators are part of the PEIP Monitoring and Evaluation Plan.

#### a) Employment Generation Monitoring and Evaluation

1. Person months of direct employment created per month;
2. Person months of spin-off employment created per month; and
3. Number of person months of employment generated for women.

#### b) Surveying/identification of waste to be removed

1. Number of vacant lots with accumulated wastes surveyed per month, and per neighborhood;
2. Area of vacant lots surveyed per month, and per neighborhood;
3. Volume of waste surveyed per month, and per neighborhood; and
4. Weight of waste surveyed per month, and per neighborhood.

#### c) Waste Collection Monitoring and Evaluation

1. Number of vacant lots with accumulated wastes cleaned up per month, and per neighborhood;
2. Area of vacant lots cleaned up per month, and per neighborhood;
3. Volume of waste collected per month, and per neighborhood; and
4. Weight of waste collected per month, and per neighborhood.

#### d) Public Awareness Monitoring and Evaluation

1. Number of public awareness materials produced;
2. Number of beneficiaries of public awareness materials, disaggregated by gender;
3. Number of beneficiaries of home visits and meetings, disaggregated by gender;
4. Number of vacant lots and their volume of waste that need cleaning again after previous CHF cleaning, per neighborhood;

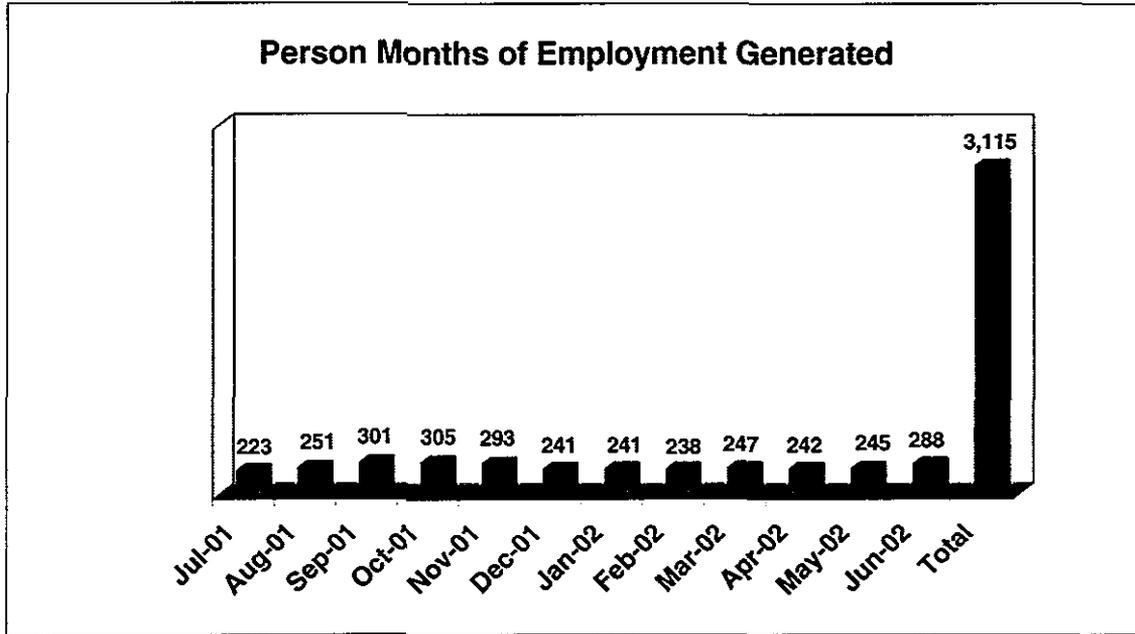
5. Number of citizens and establishments aware of their responsibilities in maintaining the cleaned lots, per neighborhood; and
6. Number and quality of partnerships developed, per neighborhood.

**e) Vocational training**

1. Number of people trained;
2. Number of training hours given;
3. Number of persons and training hours for women; and
4. Number of trained people who find a job after the CHF program has finished.

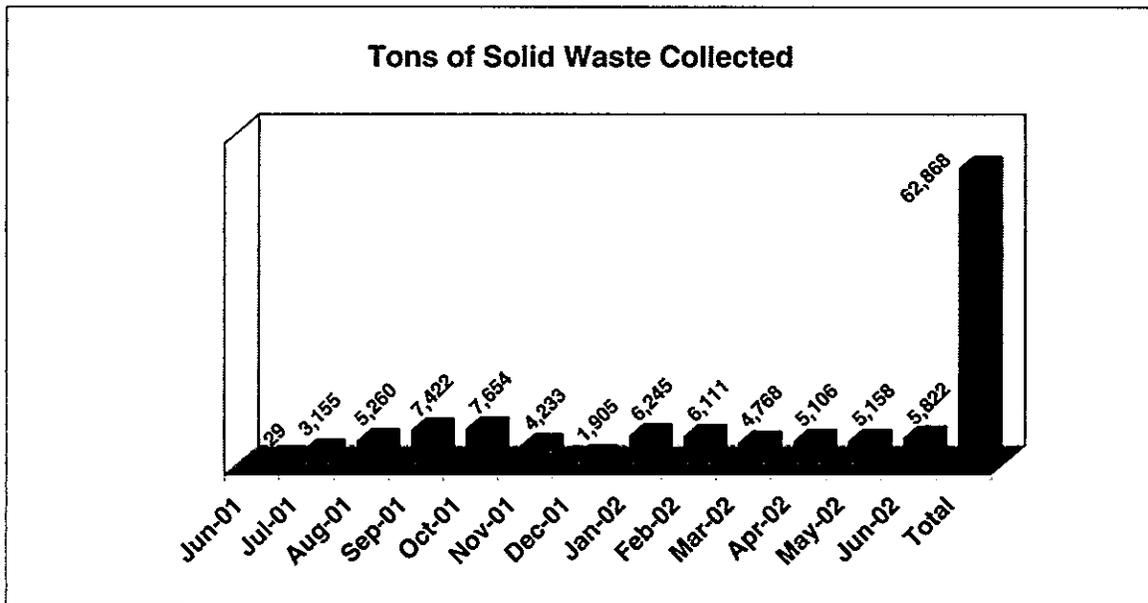
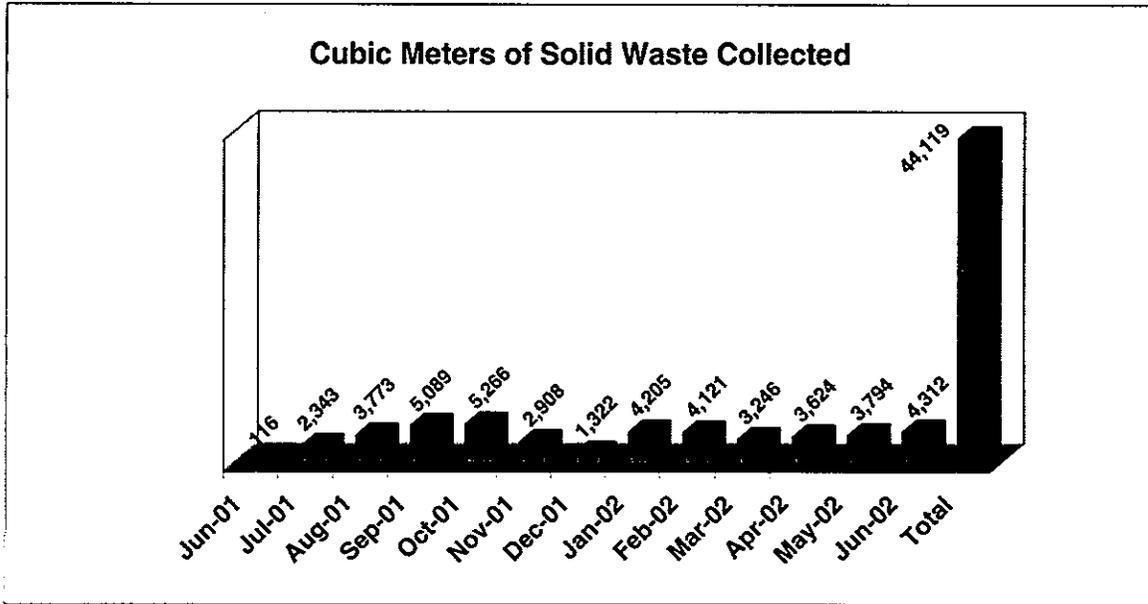
**5. Employment Generated**

Job creation is the key component of the PEIP. As of the end of June 2002, the program has generated 3,115 person months of employment. The following graph represents the number of person months of employment created per month. On average, 259.58 person months of employment were generated per calendar month. This is 24.58 person months more than the planned 235 person months per calendar month in the original program proposal document.



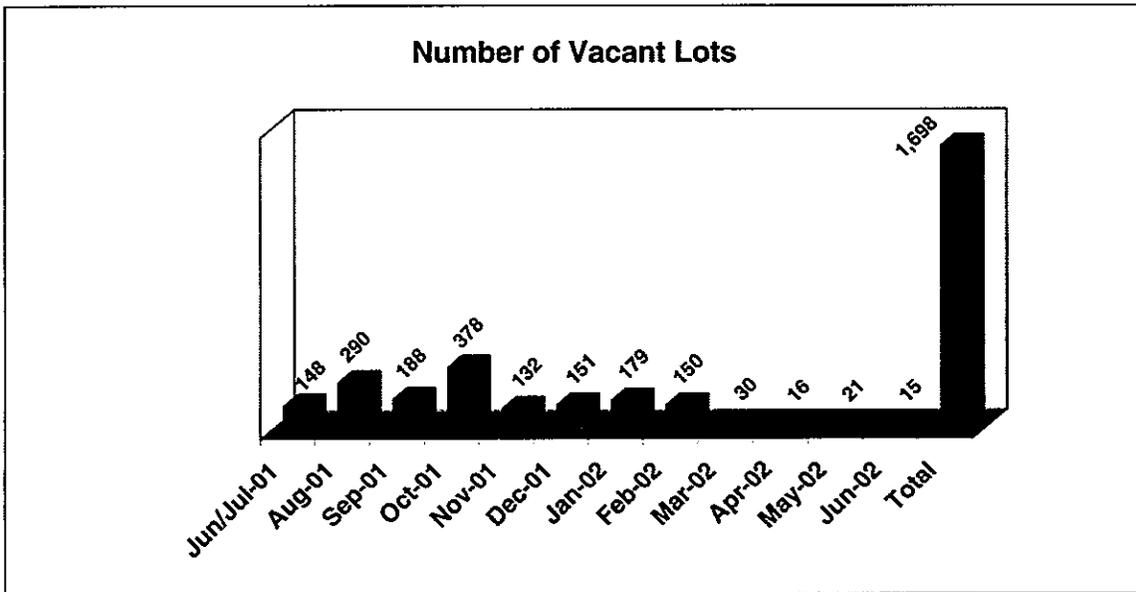
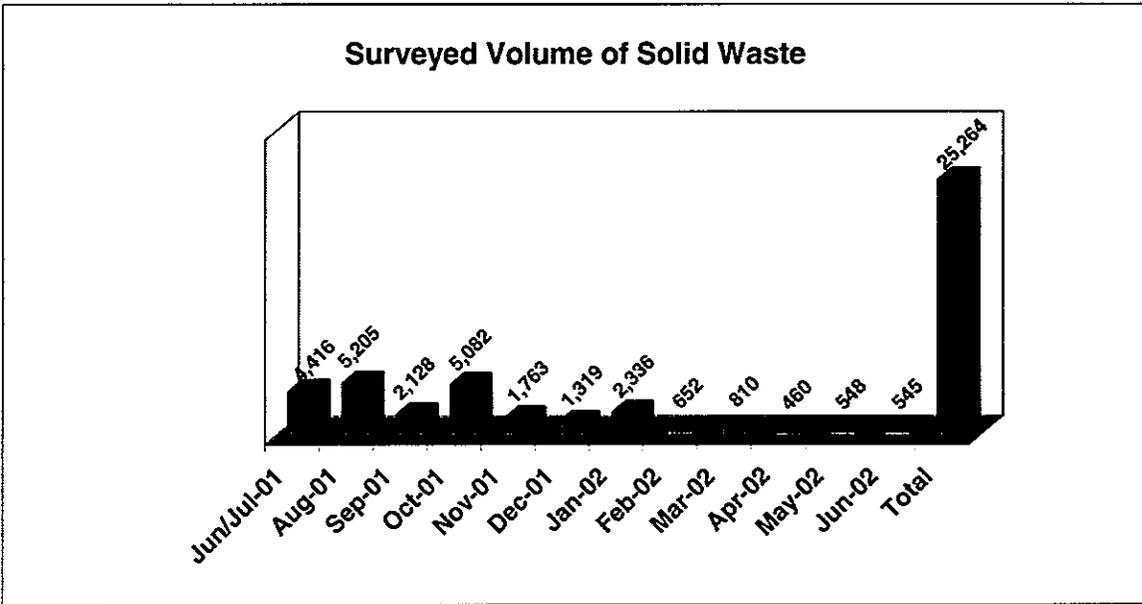
**6. Waste collected**

In the period under review, PEIP undertook a beach-cleaning project on a stretch of public beach that had not been cleaned since 1967. PEIP also swept a limited number of main streets in both the west and the east side of Gaza City. The Waste Removal Action Plan concentrated on public lands in 13 Gaza City neighborhoods or lands: North Remal, South Remal, Sabra, Toffah, Judaida, Sheikh Ejleen, Beach Camp, Daraj, Tel El Hawa, schools, Cemeteries, the Municipal Beach, and Turkman. The cleaning activities, public awareness activities and surveys were all set up and implemented simultaneously in order to ensure efficiency, effectiveness, and sustainability.



#### 7. Survey Activities/Data Collection

On a daily basis, PEIP's surveyors reviewed the initial data compiled from the Baseline Survey. Consequently, CHF worked with the different neighborhoods and the Gaza Municipality to adjust the Waste Removal Action Plan for each individual neighborhood.



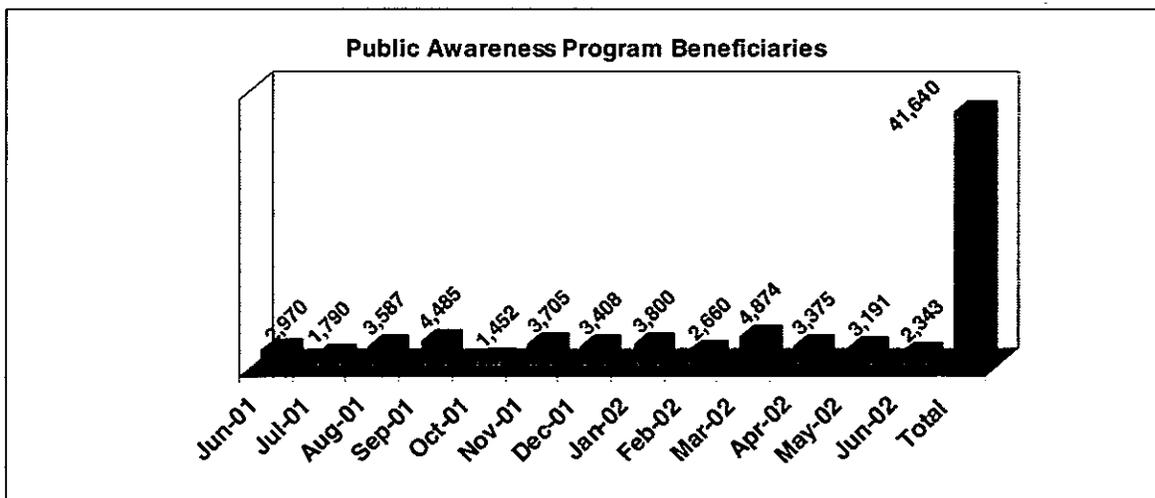
The Public Awareness team worked closely with the surveying team to revisit public lands which were previously cleaned under PEIP. In June, the surveying team visited 77 vacant lots, all of which were fenced in. Of these 77 lots, 70 had been previously cleaned by CHF/PEIP. Only 3 out of the 70 previously cleaned lots contained newly accumulated waste. The final number of vacant lots that were cleaned totaled 77, of which only 7 lots had accumulated new waste after three months. This is a substantial achievement.



## 8. Public Awareness Program

The 15 Public Awareness staff members made home visits to 1,825 families living in Old City, Remal North, Remal South, Sabra, Naser, Sheikh Ajleen, Turkman, Daraj, Tel Al Hawa, Beach Camp, Judaida, Sheikh Radwan and Toffah in which more than 3,762 women participated. The purpose of these visits was to discuss citizen's participation and responsibilities in keeping the vacant lots clean. Other initiatives led by the Public Awareness staff include:

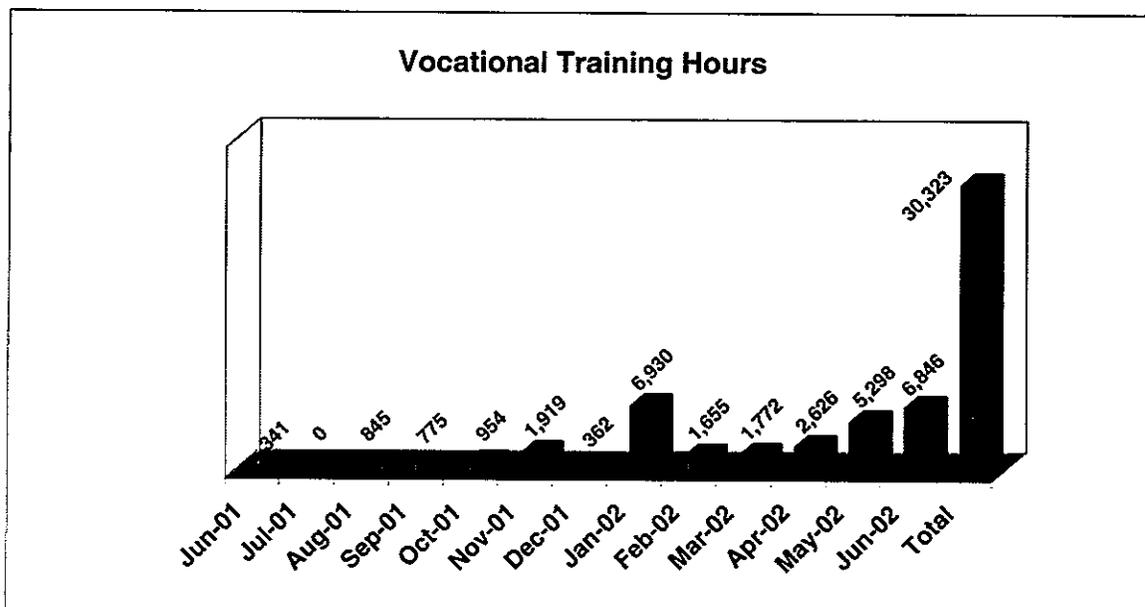
- 48 neighborhood general meetings were held in which 1,673 people (women, men and children) participated.
- 79 neighborhood central meetings were held in which 564 people (women, men and children) participated.
- The Public Awareness team worked closely with the surveying team to revisit public lands which were previously cleaned by CHF. In some cases, there was new accumulation of construction debris. This phenomenon was discussed with the Gaza City Municipality and a follow-up plan was composed to address this problem. Starting in May, the male surveying team teamed up with the female Public Awareness team to execute the public awareness and community participation program. The surveying team visited 745 shops and 1,163 persons in the Gaza City main streets, and discussed with shop owners how to keep the areas around their stores clean.



## 9. Training

Once the Team Vocational Training Inventory was completed, CHF began implementing its vocational training program in month two of the program. The CHF Employment Generation Program vocationally trains at least 190 people. They receive pay for 8.3% of their working time to attend training sessions. The calculation of hours is as follows: 8.3% is 2.16 working days per month. One working day is 6.5 hours (6 days per week). 190 persons x 6.5 hours x 2.16 days x 23 months (2 years minus 1 month holidays) = 61,355 trainee hours in total. This is 2,668 hours per month. Each one of the CHF hires receives approximately 26 days of training per year.





CHF-PEIP staff attended courses in the following subjects:

- A. Literacy,
- B. Equipment & computer maintenance,
- C. Fuel Injection,
- D. Refrigeration & Air Conditioning,
- E. General Electronics,
- F. High School classes,
- G. English,
- H. Accounting,
- I. Gardening
- J. Electronic machines maintenance,
- K. Tailoring and weaving,
- L. Building Controller & Land Surveying,
- M. Excel Based Feasibility Studies (in English)
- N. The reality of local multimedia
- O. Writing reports and business letters in Arabic
- P. Writing reports and business letters in English

#### **B. USAID Performance Monitoring Plan**

- The planned number of cubic meters of solid waste collected for the year 2002 as reported to USAID was 20,000 m<sup>3</sup> (20,000/4=5,000 m<sup>3</sup> per quarter). The actual number of cubic meters collected exceeded targets for this quarter at 11,730 m<sup>3</sup>.

- The planned number of training hours for the year 2002 as reported to USAID was 44,000 hours (44,000/4=11,000 per quarter). The actual number of training hours this quarter exceeded targets at 14,770.
- The planned numbers of trainees for year 2002 was 198 as reported to USAID. The actual number of trainees is 258 persons.
- The planned number of person days of employment for the year 2002 as reported to USAID was 85,775 person days (85,775/4=21,444 person days per quarter). The actual number of person days of employment is 23,638 person days in this quarter.
- The estimated income generated by direct employment beneficiaries for year 2002 was \$948,709 as reported to USAID (\$948,709/4=\$237,177 per quarter). The actual income generated by direct beneficiaries is \$222,104.85 in this quarter.

### **C. Summary of Output Indicators**

The output indicators for the period under review can be summarized as follows:

- 775 person months of direct employment generated;
- On average, 258 persons were employed per month under PEIP;
- 16,086 tons of solid waste collected (equivalent of 11,730 m<sup>3</sup> of solid waste);
- 92 km of streets swept
- 52 vacant lots surveyed in detail in Gaza City (which contain more than 1,553 m<sup>3</sup> of solid waste);
- 8,909 persons directly benefited from the Public Awareness activities; and
- 142 persons enrolled in vocational training.

### **IV. Financial Management/Reporting**

Quick Books 2000, the CHF International standard project accounting package, has been finalized during the reporting period and is functioning smoothly. This is the standard CHF financial accounting package that has a pre-defined chart of accounts. The program is used in conjunction with a computerized payroll system, especially designed for the CHF PEIP Employment Generation Program.

### **V. Other Issues**

None.

## VI. Annexes

### A. Detailed Waste Collection Reports for current quarter

SUMMARY OF SOLID WASTE COLLECTION ( 25 March 2002 - 24 April 2002)

AREA	No.Of V.L	Streets(L.M)	Area in M <sup>2</sup>	Sand&Construction Debris		Litter Collection(Plastic Bags)			Sand&Construction Debris Transferred			Total litter , sand & construction debris transferred	
				Volume in M <sup>3</sup>	Weight in Tons	No Of P.B	Weight in kg	Volume in M <sup>3</sup>	No.Of Trips	Volume in M <sup>3</sup>	Weight In Tons	Volume in m <sup>3</sup>	Weight in tons
1- West Side Streets	0	3,100	0	25	38	80	480	2	2	30	45	32	45
2- Judaida	23	0	13,650	71	106	384	2,304	9	27	405	608	414	610
3- Turkman	29	0	1,475	386	578	1,475	8,850	35	39	585	878	620	886
4- North Remal	5	0	1,200	38	57	153	918	4	5	75	113	79	113
5- South Remal	3	0	1,000	22	33	343	2,058	8	9	135	203	143	205
6- Old City	53	0	13,070	449	674	2,182	13,092	52	2	30	45	82	58
7- Sabra	4	0	2,650	30	45	330	1,980	8	5	75	113	83	114
8- SH. Ejleem	94	0	50,305	630	945	2,984	17,904	72	71	1,065	1,598	1137	1615
9- Tal AL Hawa	12	0	8,350	62	93	567	3,402	14	10	150	225	164	228
10- DaraJ	53	0	21,790	464	695	2,514	15,084	60	54	810	1,215	870	1230
<b>TOTAL</b>	<b>276</b>	<b>3,100</b>	<b>113,490</b>	<b>2,176</b>	<b>3,263</b>	<b>11,012</b>	<b>66,072</b>	<b>264</b>	<b>224</b>	<b>3,360</b>	<b>5,040</b>	<b>3,624</b>	<b>5,106</b>

SUMMARY OF SOLID WASTE COLLECTION( 25 April - 24 May 2002)

	AREA	No.Of V.L	Streets(L.M)	Area in m <sup>2</sup>	Sand&Construction Debris		Litter Collection(Plastic Bags)			Sand&Construction Debris Transferred			Total litter , sand & construction debris transferred	
					Volume in m <sup>3</sup>	Weight In Tons	No Of P.B	Weight in kg	Volume in m <sup>3</sup>	No.Of Trips	Volume in m <sup>3</sup>	Weight In Tons	Volume in m <sup>3</sup>	Weight In tons
1-	West Side Streets	0	1,840	0	51	77	127	762	3	0	0	0	3	1
2-	East Side Streets	0	1,150	0	6	9	15	90	0	0	0	0	0	0
3-	Beach&Beach Road	0	2,440	0	90	135	1,755	10,530	42	2	23	34	65	44
4-	Judaida	3	250	4,785	155	232	253	1,518	6	23	345	518	351	519
5-	Turkman	7	565	5,648	603	905	1,332	7,992	32	27	405	608	437	615
6-	Toffah	4	730	5,732	413	619	916	5,496	22	4	60	90	82	95
7-	Daraj	52	4,005	44,690	1,156	1,734	4,083	24,498	98	73	1,095	1,643	1193	1667
8-	Old City	28	690	18,250	1,151	1,727	3,358	20,148	81	8	120	180	201	200
10-	North Remal	2	400	5,050	83	235	144	864	3	13	195	293	198	293
11-	South Remal	1	0	1,400	10	15	114	684	3	1	15	23	18	23
12-	Naser	2	0	1,800	9	14	100	600	2	0	0	0	2	1
13-	SH. Radwan	1	0	750	7	11	60	360	1	0	0	0	1	0
14-	SH. Ejleen	35	225	57,705	569	854	2,792	16,752	67	36	540	810	607	827
15-	Tal AL Hawa	31	0	64,306	448	672	2,730	16,380	66	38	570	855	636	871
	<b>TOTAL</b>	<b>166</b>	<b>12,295</b>	<b>210,116</b>	<b>4,750</b>	<b>7,236</b>	<b>17,779</b>	<b>106,674</b>	<b>427</b>	<b>225</b>	<b>3,368</b>	<b>5,051</b>	<b>3,794</b>	<b>5,158</b>

SUMMARY OF SOLID WASTE COLLECTION( 25 May - 24 June 2002)

	AREA	No.Of V.L	Streets(L.M)	Area in m <sup>2</sup>	Sand&Construction Debris		Litter Collection(Plastic Bags)			Sand&Construction Debris Transferred			Total litter , sand & construction debris transferred	
					Volume in m <sup>3</sup>	Weight in Tons	No Of P.B	Weight in kg	Volume In m <sup>3</sup>	No.Of Trips	Volume in m <sup>3</sup>	Weight In Tons	Volume in m <sup>3</sup>	Weight in tons
1-	West Side Streets	0	14,130	0	336	504	879	5,274	21	71	1,065	1,598	1086	1603
2-	East Side Streets	0	25,500	0	758	1,136	1,268	7,608	30	43	645	968	675	975
3-	Beach&Beach Road	0	16,960	2,185	154	231	3,668	22,008	88	8	120	180	208	202
4-	Judaida	5	470	1,030	251	376	702	4,212	17	15	225	338	242	342
5-	Turkman	1	30	1,000	54	80	110	660	3	5	75	113	78	113
6-	Toffah	2	8,010	4,330	354	531	219	1,314	5	6	90	135	95	136
7-	Daraj	25	1,940	10,335	264	396	1,025	6,150	25	23	345	518	370	524
8-	Cemeteries	1	0	60,000	356	534	8,477	50,862	203	14	210	315	413	366
10-	North Remal	3	4,050	4,225	256	384	550	3,300	13	15	225	338	238	341
11-	South Remal	6	0	4,550	50	75	1,956	11,736	47	7	105	158	152	169
12-	Sabra	1	0	1,000	4	6	10	60	0	4	60	90	60	90
13-	Shati Camp	1	0	1,000	6	9	100	600	2	2	30	45	32	46
14-	SH. Ejjeen	29	5,830	23,100	680	1,019	2,106	12,636	51	37	555	833	606	845
15-	Schools	10	200	10,700	45	68	478	2,868	11	3	45	68	56	70
	<b>TOTAL</b>	<b>84</b>	<b>77,120</b>	<b>123,455</b>	<b>3,566</b>	<b>5,349</b>	<b>21,548</b>	<b>129,288</b>	<b>517</b>	<b>253</b>	<b>3,795</b>	<b>5,693</b>	<b>4,312</b>	<b>5,822</b>

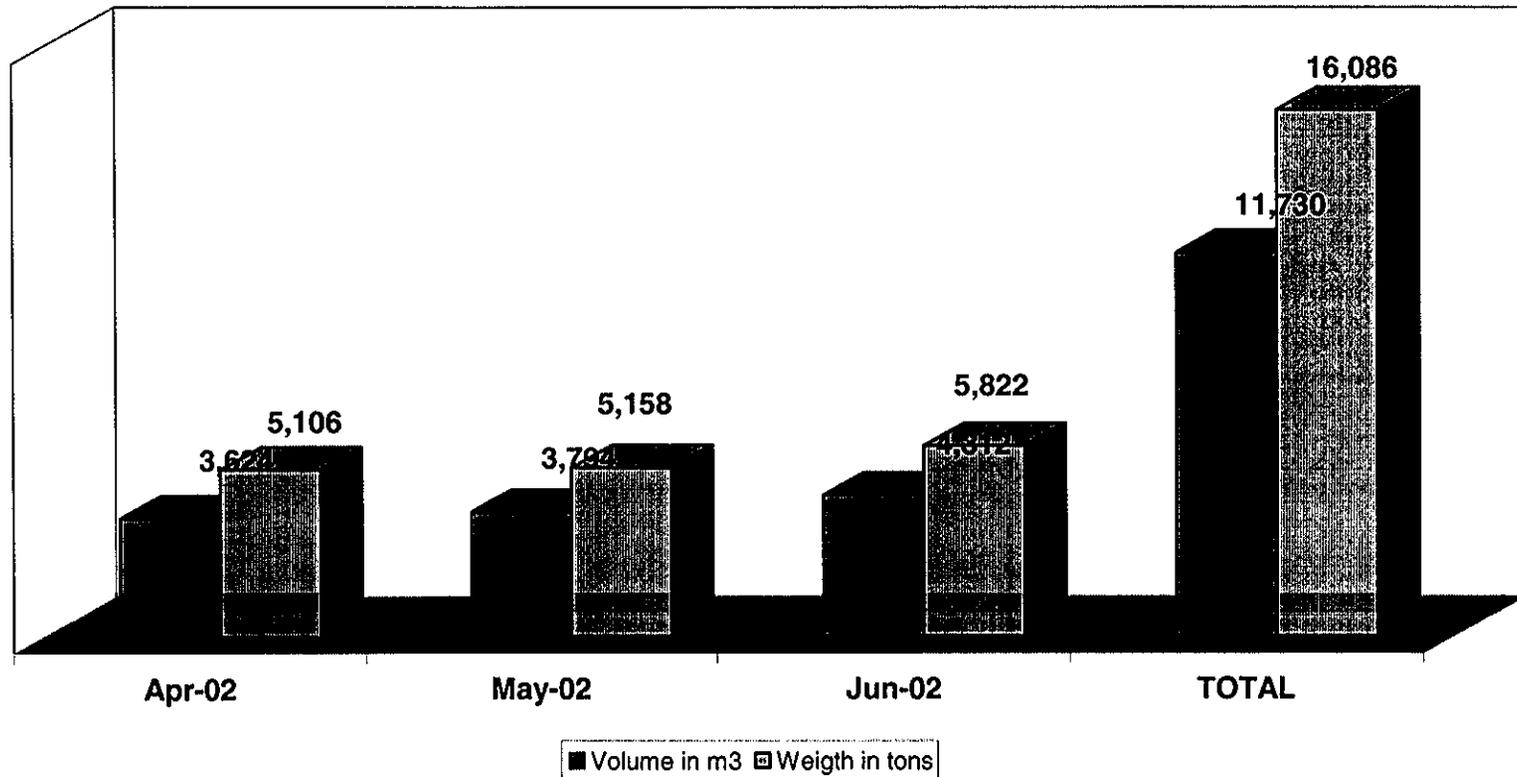
SUMMARY OF SOLID WASTE COLLECTION ( 25 March 2002-24 June 2002)

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				Volume in M <sup>3</sup>	Weight in Tons	No Of P.B	Weight in kg	Volume in M <sup>3</sup>	No.Of Trips	Volume in M <sup>3</sup>	Weight In Tons	Volume in m <sup>3</sup>	Weight in tons
1- West Side Streets	0	19,070	0	412	618	1,086	6,516	26	73	1,095	1,643	1,121	1,649
2- East Side Streets	0	26,650	0	764	1,145	1,283	7,698	31	43	645	968	676	975
3- Beach&Beach Road	0	19,400	2,185	244	366	5,423	32,538	130	10	143	214	273	246
4- Judaida	31	720	19,465	476	713	1,339	8,034	32	65	975	1,463	1,007	1,471
5- Turkman	37	595	8,123	1,042	1,563	2,917	17,502	70	71	1,065	1,598	1,135	1,615
6- North Remal	10	4,450	10,475	377	676	847	5,082	20	33	495	743	515	748
7- South Remal	10	0	6,950	82	123	2,413	14,478	58	17	255	383	313	397
8- Old City	81	690	31,320	1,600	2,400	5,540	33,240	133	10	150	225	283	258
9- Sabra	5	0	3,650	34	51	340	2,040	8	9	135	203	143	205
10- SH. Ejleen	158	6,055	131,110	1,879	2,818	7,882	47,292	189	144	2,160	3,240	2,349	3,287
11- Tal AL Hawa	43	0	72,656	510	765	3,297	19,782	79	48	720	1,080	799	1,100
12- Daraj	130	5,945	76,815	1,884	2,825	7,622	45,732	183	150	2,250	3,375	2,433	3,421
13- Naser	2	0	1,800	9	14	100	600	2	0	0	0	2	1
14- SH. Radwan	1	0	750	7	11	60	360	1	0	0	0	1	0
15- Shati Camp	1	0	1,000	6	9	100	600	2	2	30	45	32	46
16- Cemeteries	1	0	60,000	356	534	8,477	50,862	203	14	210	315	413	366
17- Schools	10	200	10,700	45	68	478	2,868	11	3	45	68	56	70
18- Toffah	6	8,740	10,062	767	1,150	1,135	6,810	27	10	150	225	177	232
<b>TOTAL</b>	<b>526</b>	<b>92,515</b>	<b>447,061</b>	<b>10,492</b>	<b>15,848</b>	<b>50,339</b>	<b>302,034</b>	<b>1,208</b>	<b>702</b>	<b>10,523</b>	<b>15,784</b>	<b>11,731</b>	<b>16,086</b>

PEIP waste collected by weight and volume  
From March 25th, 2002 - June 24th, 2002

Month	Volume in m3	Weigth in tons
Apr-02	3,624	5,106
May-02	3,794	5,158
Jun-02	4,312	5,822
<b>TOTAL</b>	<b>11,730</b>	<b>16,086</b>

PEIP waste collected by weight and volume  
From 25 March 2002 - June 24th, 2002



## B. Detailed Waste Collection Reports for all four quarters

### QUARTERLY REPORT 1

#### SUMMARY OF SOLID WASTE COLLECTION & RECOLLECTION ( 25 June 2001-25 September 2001)

AREA	No.Of V.L	Streets(L.M)	Area in M2	Sand&Construction Debris		Litter Collection(Plastic Bags)		Sand&Construction Debris Transferred			Total litter , sand & construction debris transferred		
				Volume in M3	Weight in Tons	No Of P.B	Weight in kg	Volume in M3	No.Of Trips	Volume in M3	Weight In Tons	Volume in m3	Weight In tons
West Side Streets	10	48,000	22,000	452	678	2,567	15,402	62	92	1,380	2,070	1,442	2,085
Beach&Beach Road	13	4,500	16,000	214	321	16,774	100,644	403	0	0	0	403	101
Elnaser	200	29,460	151,560	2,485	3,727	3,720	22,320	89	223	3,345	5,018	3,434	5,040
Sheikh Radwan	24	22,385	39,400	761	1,142	3,465	20,790	83	78	1,065	1,598	1,148	1,618
AL Shatl Camp	17	11,940	14,750	225	338	825	4,950	20	0	0	0	20	5
Zeitoun	121	9,050	134,350	1,103	1,655	3,677	22,062	88	155	2,196	3,294	2,284	3,316
Sabra	109	15,000	104,180	1,189	1,784	4,777	28,662	115	184	2,442	3,663	2,557	3,692
East Streets Of Gaza	0	25,015	12,310	437	656	1,316	7,896	32	0	0	0	32	8
<b>TOTAL</b>	<b>494</b>	<b>165,350</b>	<b>494,550</b>	<b>6,866</b>	<b>10,298</b>	<b>37,121</b>	<b>222,726</b>	<b>891</b>	<b>732</b>	<b>10,428</b>	<b>15,642</b>	<b>11,319</b>	<b>15,865</b>

### QUARTERLY REPORT 2

#### SUMMARY OF SOLID WASTE COLLECTION & RECOLLECTION ( 25 September 2001-24 December 2001)

AREA	No.Of V.L	Streets(L.M)	Area in M2	Sand&Construction Debris		Litter Collection(Plastic Bags)		Sand&Construction Debris Transferred			Total litter , sand & construction debris transferred		
				Volume in M3	Weight in Tons	No Of P.B	Weight in kg	Volume in M3	No.Of Trips	Volume in M3	Weight In Tons	Volume in m3	Weight In tons
West Side Streets	0	50,045	0	3,945	5,917	5,665	33,990	136	28	420	630	556	664
East Streets Of Gaza	0	24,600	0	530	794	832	4,992	20	4	60	90	80	95
North Remal	59	0	69,800	850	1,289	2,716	16,296	65	112	1,680	2,520	1,745	2,536
South Remal	88	0	81,350	785	1,178	1,990	11,940	48	123	1,845	2,768	1,893	2,779
Judaida	30	0	37,202	1,715	2,573	1,050	6,300	25	68	1,020	1,530	1,045	1,536
Toffah	105	0	149,177	1,785	2,677	2,351	14,106	56	201	3,015	4,523	3,071	4,537
ALNaser	28	0	24,850	97	145	7	42	0	60	900	1,350	900	1,350
Shatl Camp	0	0	0	0	0	0	0	0	9	135	203	135	203
Old City	2	0	5,200	83	124	397	2,382	10	0	0	0	10	2
Shaikh Radwan	21	0	20,000	52	78	4	24	0	4	60	90	60	90
<b>TOTAL</b>	<b>333</b>	<b>74,845</b>	<b>387,579</b>	<b>9,841</b>	<b>14,772</b>	<b>15,012</b>	<b>90,072</b>	<b>380</b>	<b>609</b>	<b>9,135</b>	<b>13,703</b>	<b>9,495</b>	<b>13,793</b>

QUARTERLY REPORT 3

SUMMARY OF SOLID WASTE COLLECTION & RECOLLECTION ( 25 December 2001-24 March 2002)

AREA	No.Of V.L	Streets(L.M)	Area in M2	Sand&Construction Debris		Litter Collection(Plastic Bags)			Sand&Construction Debris Transferred			Total litter , sand & construction debris transferred	
				Volume in M3	Weight In Tons	No Of P.B	Weight in kg	Volume In M3	No.Of Trips	Volume In M3	Weight In Tons	Volume in m3	Weight in tons
West Side Streets	0	24,720	0	523	784	770	4,620	18	106	1,590	2,385	1,608	2,390
Einaser	157	0	93,765	694	1,040	3,678	22,068	88	38	570	855	658	877
AL Shati Camp	4	0	2,400	19	29	150	900	4	1	15	23	19	23
East Streets Of Gaza	0	23,830	0	635	952	252	1,512	6	52	780	1,170	786	1,172
North Remal	86	0	25,070	518	777	1,483	8,898	36	171	2,565	3,848	2,601	3,856
South Remal	46	0	13,600	253	380	646	3,876	16	135	2,025	3,038	2,041	3,041
Judalda	38	0	12,570	149	224	64	384	2	68	1,020	1,530	1,022	1,530
Toffah	72	0	33,600	414	620	609	3,654	15	183	2,745	4,118	2,760	4,121
Sabra	1	0	150	7	11	90	540	2	2	30	45	32	46
Tuorkman	2	0	1,300	15	23	39	234	1	3	45	68	46	68
<b>TOTAL</b>	<b>408</b>	<b>48,550</b>	<b>182,455</b>	<b>3,225</b>	<b>4,838</b>	<b>7,781</b>	<b>46,686</b>	<b>187</b>	<b>759</b>	<b>11,385</b>	<b>17,078</b>	<b>11,572</b>	<b>17,124</b>

QUARTERLY REPORT 4

SUMMARY OF SOLID WASTE COLLECTION ( 25 March 2002-24 June 2002)

AREA	No.Of V.L	Streets(L.M)	Area in M²	Sand&Construction Debris		Litter Collection(Plastic Bags)			Sand&Construction Debris Transferred			Total litter , sand & construction debris transferred	
				Volume in M³	Weight in Tons	No Of P.B	Weight in kg	Volume In M³	No.Of Trips	Volume in M³	Weight In Tons	Volume in m³	Weight in tons
West Side Streets	0	19,070	0	412	618	1,086	6,516	26	73	1,095	1,643	1,121	1,649
East Side Streets	0	26,650	0	764	1,145	1,283	7,698	31	43	645	968	676	975
Beach&Beach Road	0	19,400	2,185	244	366	5,423	32,538	130	10	143	214	273	246
Judalda	31	720	19,465	476	713	1,339	8,034	32	65	975	1,463	1,007	1,471
Turkman	37	595	8,123	1,042	1,563	2,917	17,502	70	71	1,065	1,598	1,135	1,615
North Remal	10	4,450	10,475	377	676	847	5,082	20	33	495	743	515	748
South Remal	10	0	6,950	82	123	2,413	14,478	58	17	255	383	313	397
Old City	81	690	31,320	1,600	2,400	5,540	33,240	133	10	150	225	283	258
Sabra	5	0	3,650	34	51	340	2,040	8	9	135	203	143	205
SH. Ejleen	158	6,055	131,110	1,879	2,818	7,882	47,292	189	144	2,160	3,240	2,349	3,287
Tal AL Hawa	43	0	72,656	510	765	3,297	19,782	79	48	720	1,080	799	1,100
Dara	130	5,945	76,815	1,884	2,825	7,622	45,732	183	150	2,250	3,375	2,433	3,421
Naser	2	0	1,800	9	14	100	600	2	0	0	0	2	1
SH. Radwan	1	0	750	7	11	60	360	1	0	0	0	1	0
Shati Camp	1	0	1,000	6	9	100	600	2	2	30	45	32	46
Cemeteries	1	0	60,000	356	534	8,477	50,862	203	14	210	315	413	368
Schools	10	200	10,700	45	68	478	2,868	11	3	45	68	56	70
Toffah	6	8,740	10,062	767	1,150	1,135	6,810	27	10	150	225	177	232
<b>TOTAL</b>	<b>528</b>	<b>92,516</b>	<b>447,061</b>	<b>10,492</b>	<b>16,848</b>	<b>50,339</b>	<b>302,034</b>	<b>1,208</b>	<b>702</b>	<b>10,523</b>	<b>15,784</b>	<b>11,731</b>	<b>16,086</b>

PEIP waste collected by weight and volume

<b>Month</b>	<b>Volume in m3</b>	<b>Weigth in tons</b>
Third Quarter 2001	11,319	15,865
Fourth Quarter 2001	9,495	13,793
First Quarter 2002	11,572	17,124
Second Quarter 2002	11,731	16,086
<b>TOTAL</b>	<b>44,117</b>	<b>62,867</b>

PEIP waste collected by weight and volume

