



Project funded by:



EUROPEAN COMMISSION
EUROPEAN COMMUNITY HUMANITARIAN OFFICE (ECHO)



OXFAM-GB

**In Coordination With:
Palestinian Water Authority (PWA)**

**Water and Sanitation, Hygiene (WaSH)
Monitoring Project:
Impact of the Current Crisis in the West Bank and Gaza Strip**

**Weekly Report # 6
(10 November to 7 December 2003)**

**In Cooperation with:
Palestinian Environmental NGOs Network (PENGON)**



Through the following members/organizations:

Applied Research Institute/ Jerusalem (ARIJ); Arab Studies Society- Land Research Center / Hebron (LRC); Green Peace Association/ Gaza Strip (GPA); Palestinian Agricultural Relief Committees/ Tulkarm (PARC); Palestinian Environmental Protection Society/ Jenin (PEPS)



For more information, please call:

Eng. Basema Bashir/ PHG

Tel. 02/6565887 or 02/6565890

E-mail: bashir@phg.org

Website: <http://www.phg.org/campaign>

1. Introduction

Since the beginning of the Water, Sanitation, and Hygiene Monitoring Project (WaSH MP) in June 2002, 643 of the 708 communities defined by the Palestinian Central Bureau of Statistics (PCBS) have been surveyed in the West Bank and Gaza Strip. For the purposes of the WaSH MP, the total number of communities that will be monitored is 643, due to the fact that many of the PCBS-defined communities are considered part of a city, like Jerusalem, or are deemed seasonal living places (summer or winter).

The importance of the WaSH MP stems from the fact that it is nearly the only source of updated information on the impact of the current crisis on water, sanitation and hygiene in the West Bank and Gaza Strip, for all local and international agencies working in the sector. During the first phase of the project, detailed information was gathered from different localities in the West Bank and Gaza Strip. Such information has been analyzed and stored in a locally designed database. Seven monthly reports were published using this data, and the database can be accessed through the project website at the following address www.phg.org/campaign

The nature of the second phase of the WaSH MP has dictated certain modifications in the management of the project. As this phase will focus on updating the information, and as it will not require intensive fieldwork, the data collection teams were reduced from 12 to 5, in order to reflect this expected reduction in workload. Furthermore, there was a need to modify the reporting frequency and format to respond to the needs of some organizations accessing the reports. Accordingly, a new form for information update has been designed (APPENDIX 1) and weekly or biweekly updates will be published going forward.

The current report is the sixth weekly update, which covers the period from 10th of November to 7th of December 2003. The goal is for each weekly / biweekly update to be disseminated at the beginning of the following week (Monday of the following week). All the updates can also be accessed through the project website. <http://www.phg.org/campaign>

Weekly reports will include information extracted from the newly designed questionnaire, as well as information on the related communities. In this sixth weekly report, detailed information related to 17 communities in the West Bank and Gaza Strip is included. Data related to these communities was updated during the past three weeks and presented in the following tables that reflect major problems in these communities.

Table 1: Monthly water supplies from all sources to the community, and average price per cubic meter for tanker water during and before current crisis for surveyed communities.

No.	Community ID	Community Name	District	Water tanker price (NIS/m3)*		Total monthly supply for the community (m ³ /month)	Per capita supply (l/c/d)**
				During the current crisis	Before the current crisis		
1	150660	Bizzariya	Nablus			3500	61
2	151010	Rujeib	Nablus			11000	105
3	151365	Qusra	Nablus	10.0	10.0	6000	51
4	200945	Jit	Qalqiliya			3500	59
5	200970	Hajja	Qalqiliya	12.0	10.0	6000	94
6	200995	Khirbet Sir	Qalqiliya			1000	73
7	201280	'Azzun 'Atma	Qalqiliya			4000	94
8	251290	Qira	Salfit			1700	63
9	301595	Shuqba	Ramallah	11.0		3600	33
10	301625	Shabtin	Ramallah	7.0		700	32
11	301665	Budrus	Ramallah	10.0		1300	34
12	301710	Deir Qaddis	Ramallah			2500	50
13	301725	Kharbatha Bani Harith	Ramallah			3800	52
14	653065	An Nuseirat Camp	Deir Al-			100000	63
15	653240	Deir al Balah	Deir Al-			90000	73
16	703370	Al Qarara	Khan			50000	118
17	753495	Rafah Camp	Rafah			45000	30

* Communities with no prices do not use water tankers

** Supply includes all domestic uses, including domestic agriculture and domestic livestock, in addition to all losses in the water network for communities that have one. Estimated average losses in the water network are about **40%** of the total supplied amount according to Palestinian Water Authority (PWA).

Table 2: Destruction of water infrastructure between 10th November and 7th December 2003 in the surveyed communities

No.	Community ID	Community Name	District	Water network damages		Percentage of affected population	# of damaged wells		# of damaged springs		# of damaged water tankers		# of damaged roof tanks	# of damaged cisterns	# of damaged reservoirs	
				Main line	Secondary Line		Complete	Partial	Complete	Partial	Complete	Partial			Complete	Partial
1	150660	Bizzariya	Nablus	Yes	No	50										
2	151010	Rujeib	Nablus	No	Yes	10										
3	200945	Jit	Qalqiliya	Yes	Yes	20			1				20			
4	653240	Deir al Balah	Deir Al-Balah	No	Yes	1										
5	703370	Al Qarara	Khan Yunis	No	Yes	1										
6	753495	Rafah Camp	Rafah	Yes	Yes	20							30			

Table 3: Checkpoint and Closure Effects on the WaSH Situation in the Palestinian Communities

(0: No Effect 1: Delay between 1 to 6 hours 2: Completely blocked NA: Not Applicable—For example, a fixed checkpoint does not exist within this community, or water tankers are not used there, etc.)

No.	Community ID	Community Name	District	Fixed point effect on						Mobile Checkpoint Effect on			Earth Mounds Effect On			Curfew Effect On		
				Water supply by tankers		Maintenance team		PHC Access		Water supply by tankers	Maintenance team	PHC Access	Water supply by tankers	Maintenance team	PHC Access	Water supply by tankers	Maintenance team	PHC Access
				Effect	Name of checkpoint	Effect	Name of checkpoint	Effect	Name of checkpoint									
1	150660	Bizzariya	Nablus	NA		2	Beit Eba checkpoint	2	Beit Eba checkpoint	NA	1	1	NA	2	2	NA	0	1
2	151010	Rujeib	Nablus	NA		0		0		NA	2	2	NA	2	2	NA	2	2
3	151365	Qusra	Nablus	2	Za'tara checkpoint	NA		2	Za'tara and Howwara checkpoints	1	NA	1	1	NA	1	1	NA	1
4	200945	Jit	Qalqiliya	NA		0		2	Qalqiliya checkpoint	0	0	2	0	0	1	0	0	1
5	200970	Hajja	Qalqiliya	2	Qalqiliya entrance checkpoint	NA		2	Qalqiliya entrance checkpoint	2	NA	2	2	NA	2	2	NA	2
6	201280	'Azzun 'Atma	Qalqiliya	NA		2	'Azzun 'Atma checkpoint	2	'Azzun 'Atma checkpoint	NA	1	1	NA	0	1	NA	2	2

No.	Community ID	Community Name	District	Fixed point effect on						Mobile Checkpoint Effect on			Earth Mounds Effect On			Curfew Effect On		
				Water supply by tankers		Maintenance team		PHC Access		Water supply by tankers	Maintenance team	PHC Access	Water supply by tankers	Maintenance team	PHC Access	Water supply by tankers	Maintenance team	PHC Access
				Effect	Name of checkpoint	Effect	Name of checkpoint	Effect	Name of checkpoint									
7	251290	Qira	Salfit	NA		1	Za'tara and Howwara checkpoints	1	Za'tara and Howwara checkpoints	NA	1	1	NA	0	1	0	0	0
8	301595	Shuqba	Ramallah	NA		2	Ni'lin and Ein Arik checkpoints	1	Ni'lin checkpoint	1	1	1	0	0	0	1	0	1
9	301625	Shabtin	Ramallah	NA		2	Ni'lin and Ein Arik checkpoints	1	Ni'lin and Ein Arik checkpoints		1	1	0	0	0	1	0	1
10	301665	Budrus	Ramallah	NA		2	Ni'lin and Ein Arik checkpoints	2	Ni'lin and Ein Arik checkpoints	1	0	1	0	0	0			
11	301710	Deir Qaddis	Ramallah	NA		1	Ein Arik checkpoint	2	Ni'lin and Ein Arik checkpoint	NA	1	0						
12	301725	Kharbatha Bani Harith	Ramallah	NA		1	Ni'lin and Ein Arik checkpoints	2	Ni'lin and Ein Arik checkpoints	NA	1	1	0	0	2	NA	1	1
13	653065	An Nuseirat Camp	Deir Al-Balah	NA		1	Nitsarim settlement	0		NA	1	0	NA	1	0	NA	1	0

No.	Community ID	Community Name	District	Fixed point effect on						Mobile Checkpoint Effect on			Earth Mounds Effect On			Curfew Effect On		
				Water supply by tankers		Maintenance team		PHC Access		Water supply by tankers	Maintenance team	PHC Access	Water supply by tankers	Maintenance team	PHC Access	Water supply by tankers	Maintenance team	PHC Access
				Effect	Name of checkpoint	Effect	Name of checkpoint	Effect	Name of checkpoint									
14	653240	Deir al Balah	Deir Al-Balah	NA		2	Kfar Daroom settlement checkpoint	0		NA	2	0	NA	2	0	NA	2	0
15	703370	Al Qarara	Khan Yunis	NA		2	Abu Houly, Al matahin, and Gosh qatif checkpoints	2	Abu Houly, Al matahin, and Gosh qatif checkpoints	NA	2	2	NA	2	2	NA	2	2
16	753495	Rafah Camp	Rafah	NA		2	Palestinian / Egyptian boarder	2	Palestinian / Egyptian boarder	NA	2	2	NA	2	2	NA	2	2

Table 4: Changes in supply from Mekorot Company and in water supplied by tankers in the surveyed Palestinian communities.

No.	Community ID	Community Name	District	Mekorot Company Supply (m ³ / month)			Tankers Supply (m ³ / month)		
				During current crisis	Before current crisis	Percentage Change	During current crisis	Before current crisis	Percentage change
1	150660	Bizzariya	Nablus	3500	3500	0			
2	151010	Rujeib	Nablus	8000	9800	-19			
3	151365	Qusra	Nablus	3000	6000	-50	6000	6000	0
4	200945	Jit	Qalqiliya	3000	3500	-15			
5	200970	Hajja	Qalqiliya				4000	5000	-20
6	251290	Qira	Salfit	1500	1700	-12			
7	301595	Shuqba	Ramallah	1000	5000	-80			
8	301625	Shabtin	Ramallah	0	1800	-100	200		
9	301665	Budrus	Ramallah	400	2000	-80	600		
10	301710	Deir Qaddis	Ramallah	2200	2600	-16			
11	301725	Kharbatha Bani	Ramallah	3500	3500	0			
12	653065	An Nuseirat Camp	Deir Al-	5000	20000	-75			
13	653240	Deir al Balah	Deir Al-	4000	40000	-90			

Although Mekorot is reducing its supply by, in some cases, 100% of its pre-crisis amount, this shortfall is in some cases being filled by tankers or any other available source. Water from tankers is of course more expensive than piped water—partly due to the requirement of having to pass through checkpoints. Where this is not possible (due to lack of access, tankers, etc.) then the communities suffer an artificial drought.

Table 5: Delays of water/solid waste tankers movement at selected checkpoints.

No.	Community ID	Community Name	District	Date	Transported material	Tanker volume	Checkpoint name	Filling point name or dump site location	Needed time for vehicle trip through checkpoint (hh:mm)										Required # of transported vehicles	Transported vehicles	
									Trip 1		Trip 2		Trip 3		Trip 4		Trip 5				
									Out of the community	Into the community	Out of the community	Into the community	Out of the community	Into the community	Out of the community	Into the community	Out of the community	Into the community			
1	503125	Ad Deirat	Hebron	18/11/2003	Water	10 (m3)	Zeef Intersection checkpoint	Al Fahs/Hebron	00:45	00:30	01:00	00:30								3	2
2	653140	Al Bureij Camp	Deir Al-Balah	29/11/2003	Solid waste	7 (m3)	Kfar Daroom area	Dump site / east of Deir al Balah	01:20	00:45										20	7
3	503005	Al Buweib	Hebron	18/11/2003	Water	10 (m3)	Zeef Intersection checkpoint	Al Fahs / Hebron	00:30	00:40	00:45	00:15								4	2
4	10230	Al Khuljan	Jenin	28/11/2003	Water	10 (m3)	Baqa al Sharqiyah	Baqa al Sharqiyah	01:00	00:30	02:00	00:41	01:50	00:25						7	3
5	10230	Al Khuljan	Jenin	29/11/2003	Water	10 (m3)	Baqa al Sharqiyah	Baqa al Sharqiyah	04:00	00:45	04:50	00:25								7	2
6	703370	Al Qarara	Khan Yunis	22/11/2003	Equipment and Maintenance team	20 (Ton)	Abu Houilly checkpoint	Al Qarara community	01:15	02:00										1	1

No.	Community ID	Community Name	District	Date	Transported material	Tanker volume	Checkpoint name	Filling point name or dump site location	Needed time for vehicle trip through checkpoint (hh:mm)										Required # of transported vehicles	Transported vehicles		
									Trip 1		Trip 2		Trip 3		Trip 4		Trip 5					
									Out of the community	Into the community	Out of the community	Into the community	Out of the community	Into the community	Out of the community	Into the community	Out of the community	Into the community				
7	653065	An Nuseirat Camp	Deir Al-Balah	01/12/2003	Solid waste	7 (Ton)	Kfar Daroom checkpoint	Dump site / east Deir al Balah	01:15	01:30										20	5	
8	502860	As Sikka	Hebron	19/11/2003	Water	10 (m3)	Beit 'Awwa intersection	Deir Samit	00:40	00:15	00:10	00:30	00:20	00:30							5	3
9	653240	Deir al Balah	Deir Al-Balah	18/11/2003	Solid waste	4 (Ton)	Kfar Daroom Settlement	Al Makkab	00:45	00:45											20	10
10	653240	Deir al Balah	Deir Al-Balah	01/12/2003	Equipment and Maintenance team	Maintenance vehicle	kfar Daroom	Eastern part of Deir al Balah	01:00	01:30											3	1
11	10240	Dhafer al 'Abed	Jenin	29/11/2003	Water	10 (m3)	Qaffin	Abu Shams Well	Closed												5	0
12	201020	Immatin	Qalqiliya	03/12/2003	Water	10 (m3)	Jaljoulia checkpoint	Abu Maryam well / Annabi elias	00:30	01:00	00:35	00:30	00:30	00:45	00:30	00:30					8	4
13	150950	Sarra	Nablus	10/11/2003	Water	10 (m3)	Sarra		00:30	00:15	00:20	00:20	00:30	00:30	00:10	00:20						

No.	Community ID	Community Name	District	Date	Transported material	Tanker volume	Checkpoint name	Filling point name or dump site location	Needed time for vehicle trip through checkpoint (hh:mm)										Required # of transported vehicles	Transported vehicles
									Trip 1		Trip 2		Trip 3		Trip 4		Trip 5			
									Out of the community	Into the community	Out of the community	Into the community	Out of the community	Into the community	Out of the community	Into the community	Out of the community	Into the community		
14	150950	Sarra	Nablus	11/11/2003	Water	10 (m3)	Sarra	Sarra intersection	01:05	00:15	00:15	00:15	00:45	00:30	00:40	00:15	00:10	00:10		
15	150990	Tell	Nablus	08/11/2003	Water	10 (m3)	Sarra checkpoint	Sarra Intersection (Nablus-Qalqiliya)/main street	00:05	00:05	03:00	00:05	00:10	00:05	00:05	00:05			25	4
16	150990	Tell	Nablus	08/11/2003	Water	3 (m3)	Sarra checkpoint	Sarra Intersection (Nablus-Qalqiliya)/main street	00:10	00:10	00:10	00:10	04:30	00:10	00:10	00:15			6	4
17	150990	Tell	Nablus	08/11/2003	Water	3 (m3)	Sarra checkpoint	Sarra Intersection (Nablus-Qalqiliya)/main street	00:10	00:10	00:15	00:20	03:30	00:10	00:20	00:05			15	4
18	150990	Tell	Nablus	08/11/2003	Water	10 (m3)	Sarra checkpoint	Sarra Intersection (Nablus-Qalqiliya)/main street	00:25	00:05	00:05	00:05	03:30	00:05	00:20	00:05			10	4
19	150990	Tell	Nablus	12/11/2003	Water	10 (m3)	Sarra checkpoint	Sarra Intersection (Nablus-Qalqiliya)/main street	01:15	00:15	00:10	00:15	00:30	00:25	00:30	00:25	00:40	00:15	15	5

No.	Community ID	Community Name	District	Date	Transported material	Tanker volume	Checkpoint name	Filling point name or dump site location	Needed time for vehicle trip through checkpoint (hh:mm)										Required # of transported vehicles	Transported vehicles
									Trip 1		Trip 2		Trip 3		Trip 4		Trip 5			
									Out of the community	Into the community	Out of the community	Into the community	Out of the community	Into the community	Out of the community	Into the community	Out of the community	Into the community		
20	150990	Tell	Nablus	13/11/2003	Water	10 (m3)	Sarra checkpoint	Sarra Intersection (Nablus-Qalqiliya)/main street	00:05	01:15	00:15	00:15	00:15	00:30	00:30	00:30	00:30	00:15	19	5
21	10245	Zabda	Jenin	29/11/2003	Water	13 (m3)	Barta'a	Baqa al Sharqiyah	02:50	00:15	01:55	00:40	02:50	01:05					8	3