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## **Introduction**

The **first section** of this report presents a summary of urgent needs in some of the Palestinian communities in the West Bank and Gaza Strip, including the Newsflash concerning some communities and distributed on Sunday, September 12<sup>th</sup>, 2004.

The **second section** includes summary of results of the information and update for communities surveyed during the previous two weeks. The section includes four major tables with brief comments on the data presented in these tables.

## **Section one: Urgent needs in Palestinian communities**

### **I. WaSH related needs in some Palestinian communities during the past several days. [As at Saturday, 11-9-2004]**

#### **Gaza Strip**

On Tuesday, September 7<sup>th</sup>, the Gaza Strip was divided again into three parts and main roads were completely blocked by checkpoints. Three excavations with 3, 2, and 2 meters depth were dug on the street near the beach that connect Gaza city with the central area of the Strip; in addition to this, Abu Houilly (Al Matahen) street which connects the central and southern parts of the Strip was also completely closed. The northern part of the Gaza Strip and during its incursion on Wednesday, September 8<sup>th</sup>, was isolated from Gaza city, leading to division of the Strip to four parts instead of three. In Tal al Za'tar and Sheikh Zayed areas in the northern part of the Gaza Strip, the destruction included the water networks, electricity and there is a need for direct support in provision of water and food for these areas.

#### **Deir Al Balah**

During the Israeli incursion of the eastern part of Deir Al Balah city which affected directly Abu 'Arif and Dalloul areas (population of more than 2000 capita), the following is a summary of the direct damages in these areas as reported according to Deir Al Balah Municipality:

1. Complete destruction of 20 manholes of the wastewater network.
2. Destruction of about 100 meters length of UPVC pipes with different diameters.
3. Destruction of about 500 meters of pipes in the water network.
4. Destruction and damage of about 200 meters of the streets in different areas

This caused the cut off water supply to these areas, difficulties in reaching their households in addition to discharge of the wastewater in the streets.

#### **Al Qarya al Badawiya/ North Gaza Strip**

On Wednesday September 8<sup>th</sup> 2004, and during the Israeli incursion of the northern part of the Gaza Strip which directly affected Beit Hanun, North Beit Lahya, Tal Al Za'tar, and Al Qarya al Badawiya, Israeli forces entered and attacked the area of the

second French-Palestinian project for the Reuse of Wastewater for agricultural purposes (about 20 Dunums). The following are the direct damages in the area:

1. Damage of the fence surrounding the project's area and a direct damage in the area that is cultivated with "Sudan Grass" which is about 4 Dunums; damages included the agricultural network.
2. Damage of another 5 Dunums of land cultivated with fodder (Hejazzy fodder) including the agricultural network in the same area.

#### **Al Mughraqa / South Gaza Strip**

This community is located south of the Gaza Strip and near Netsarim settlement with a population of about 6,000 capita. During the continuous five hours incursion by the Israeli forces on Monday, September 6<sup>th</sup>, the following are summary of the damages:

1. More than five roof tanks were damaged (volume of 1.5 -2 cubic meters).
2. Damages in the water network that included about 100 meters of 2 inches of the pipes and about 600 meters of households connections (0.5 to 0.75 inches); in addition, more than 10 Dunums of agricultural land was damaged in the same area.

#### **Israeli forces prohibit and delays water tankers transporting water to Palestinian communities in the south-east of Yatta / Hebron Governorate**

Since August 31<sup>st</sup> 2004, the residents (about 3,500 capita) of the south-east part of Yatta community in the Hebron Governorate are facing difficulties in transporting water through tankers. The WaSH MP was informed by the residents of these communities that Israeli soldiers at the gate on Zif-Yatta intersection are forbidding water tankers from going through this gate to deliver the needed water for the communities located near the bypass 60 leading to Karmel, Ma'on and Suseya in the south-east of Yatta community. The drivers are forced to transport water using another secondary road that is 12 Km long from Al Fahs in the southern part of Hebron city where the filling point is, to the Gate that leads to these communities. Many families living in this area depend on livestock for living which consume considerable amount of water, therefore, they face a real shortage in the water quantities.

Drivers of the water tankers complained that in many cases the Israeli soldiers confiscated their IDs for several hours before forcing them to go back; on the other hand, Israeli Authorities refused to give these drivers permits to pass through this gate in order to transport the needed water.

Communities that are directly affected by these actions include: Umm Lasafa, At Tuwani, Zif, Al Buweib, Ar Rifa'iyya, Khallet al Maiyya, and Ad Deirat.

## II. Highlights of WaSH situation in the Gaza Strip / Northern part.

Damages in the northern part of the Gaza Strip as a result of the Israeli incursion between the period 7 to 11 September 2004 is as follows:

1. **Water supply cut off** during curfew period for three continuous days for about 5500 people. Especially in the areas of Qlibo, Ezbet Abd Rabo.
2. **Two technicians injured and vehicle damaged** while working for the Jabalya municipality trying to do maintenance work during the Israeli incursion of the northern part of the Gaza Strip
3. **Water infrastructure damaged:**
  - a. In Beit Lahya: damages included Salah Al Deen Street until Zayed City. Three big holes were dug in the middle of the street: Damage included the following water pipes: 12 meters 8 inches UPVC pipe, and 42 meters 2 inches; for the wastewater network, 500 meters 0.75 inches MDPE was damaged, as were 2 main manholes (80 cm).
  - b. In the Education Department area (Al Awda towers): damages included a 20 meters 14 inches main wastewater line (galvanized cast iron) that extends from Tal Al Za'tar pump station to the sewage ponds, in addition to 4 main manholes (120 cm); destruction of the rain water infiltration basin, which is a Palestinian Water Authority (PWA) project that was funded by Swedish Government and destruction of a 20 meters and 12 inches main water line. Supply of water to Um Naser Bedouin village was cut off after the damage of their tanks in addition to the destruction of the main water line, which is 100 meter in length and 16 inches in diameter, in addition to several house connection pipes and about 6 houses that were damaged.
  - c. Area between Sekka street and Salah Al Deen and civil department: this area was a focal point for Israeli tanks during the incursion. Final assessments of damages are still undergoing including water and wastewater networks. Destruction of the main valve (8 inches) was recorded in addition to a manhole and 150 meters / 4 inches water line. 10 houses were also destroyed in this area.
4. **French-Palestinian project** for the reuse of wastewater for agriculture (Beit Lahya) during the incursion between 8-11 September. A preliminary assessment of damages include:
  1. 10 to 15% of the fence surrounding the area is completely damaged.
  2. 60% of the irrigation network is damaged.
  3. 25% of the soil is damaged
  4. Production is 100% stopped.
  5. If no irrigation will be applied during the coming two weeks, the crops in the area will die.
  6. Rehabilitation of the area is need as soon as possible.
  7. Cost of rehabilitation is estimated to be about US\$ 3000. 70 to 80 % of the production is expected to be recovered and there is a possibility to produce fodder for the local community, about US\$ 600 per month in addition to following up the Monitoring Program.

## **Section two: Summary of information and update for the surveyed communities during the past two weeks.**

The WaSH MP has been updating the data collected during the past two years. The new survey will specifically focus upon rapidly or significantly changed or changing data. 16 communities of the WB and GS have been surveyed during the past two weeks. A new questionnaire has been prepared to illustrate significant changes and elements of interest to key stakeholders.

In addition, the scope of the MP has widened and more specific information regarding Mekorot Company supply during year 2003 and 2004 will be collected, analyzed and distributed during the coming period.

Collected data is presented in the following tables at the end of this section.

General comments:

### **Table 1: Water Supply by Tankers for Communities Surveyed during the past two weeks (September / 2004).**

Comparisons of prices of tankers water before and after the current Intifada are presented. Most of the communities suffered from the noticeable increase on the price of bought water, which reflects the effect of closures and curfews on water transport. Effect of checkpoints, fixed and mobile, earth mounds and curfew is estimated; in this table, 2 would mean that there is a severe effect on water transport i.e. completely blocked, 1 intermediate effect i.e. delays between 1 and 6 hours, and 0 means that there is no effect on the water transport.

A comparison of supplied quantities now and before the Intifada is presented.

- The price of tankered water is highest in Rantis / Ramallah Governorate and Battir / Bethlehem.
- One tanker was partially damaged during this period in Bani Zeid.
- Tankers are supplying more water than before. This may be reflecting the use of tankers water to compensate reduction of water quantity from other sources despite the difficulties in transporting these quantities, and could also show the difficulty in transporting water through tankers as a direct effect of checkpoints.

### **Table 2: Water supply by Mekorot Company for communities surveyed during the past two weeks (September / 2004).**

In Table 2, total water quantities supplied to the communities are collected, and more specifically, quantities supplied by Mekorot Company now and before the Intifada are collected from local councils of these communities. In this table, "water supplies from all sources" include all water supplied from all sources in that community. All the 16 surveyed communities get all or a considerable part of

their supplied quantities from Mekorot Company as a main source of domestic water.

**Supplies are reduced** in 13 of the 16 surveyed communities: 3 communities are not affected by reduction and get more or the same regular quantity before the current crisis.

**Table 3: Effect of checkpoints, earth mounds, and curfews on access to services in the Wet Bank and Gaza Strip.**

In this table, summary of effects of fixed and/or mobile checkpoints, earth mounds, and curfews on access to services including access of water tankers, access of maintenance teams, and access to Public Health Centers (PHC). 2 means a high and direct effect (completely blocked); 1 would mean an intermediate effect (delays 1 to 6 hours), and 0 would mean No direct effect. 'NA' = not applicable.

**Table 4: Damages in water infrastructure during the past two weeks.**

This table summarizes damages in water infrastructure in the surveyed communities during the past two weeks. Roof tanks remain a major target for Israeli soldiers in almost all the Palestinian Governorates. Details are available in the table below.

**Table 1: Water Supply by Tankers for Communities Surveyed during the past two weeks (Sept / 2004).**

No.	Comm. ID	Comm. Name	District	Date	Tanker W. price (NIS / m <sup>3</sup> )		Check Points (CP) effect on tankers (*)					W.Tankers Supply (m3/month)		Damaged tankers (No.)	
					During Intifada	Before Intifada	Fixed CP	Fixed CP name	Mobile CP	Earth mounds effect	Curfew effect	Current	Regular	Comp.	Partial
1	301455	Qarawat Bani Zeid	Ramallah	05/09/2004	14.0	9.0	NA		1	NA	1	150	150		
2	301480	Bani Zeid	Ramallah	05/09/2004	15.0	9.0	NA		1	0	2	1000	1000		1
3	301515	Rantis	Ramallah	09/09/2004	30.0	18.0	NA		2	0	1	600	700		
4	301540	An Nabi Salih	Ramallah	05/09/2004	15.0	9.0	NA		1	0	1	100	100		
5	301560	Deir Nidham	Ramallah	07/09/2004			NA		NA	NA	NA				
6	301850	Beit Sira	Ramallah	07/09/2004			NA		NA	NA	NA				
7	452175	Battir	Betlehem	04/09/2004	40.0	10.0	2	Beit Jala (DCO)		2		1000	200		
8	452230	Husan	Betlehem	04/09/2004			0			0					
9	452235	Wadi Fukin	Betlehem	04/09/2004			0			0					
10	452325	Nahhalin	Betlehem	04/09/2004			0			0					
11	502560	Kharas	Hebron	07/09/2004	15.0	10.0						2000	1000		
12	502655	Beit Kahil	Hebron	08/09/2004	20.0	10.0	2	Beit Khahil Gate		2		1000	500		
13	502885	Al Hijra	Hebron	06/09/2004	10.0	5.0	2	Fawwar Gate				200	50		
14	502955	Deir Razih	Hebron	05/09/2004	15.0	6.0	0			0		200	100		
15	503165	Al Bira	Hebron	07/09/2004	20.0	10.0	2	Beit Awwa junction	1			200	100		
16	503230	As Simiya	Hebron	07/09/2004	15.0	10.0	0		1	0		500	200		

(\*): The followings have the corresponding meanings : 0: No Effect 1: Intermediate Effect 2: High Effect

**Table 2: Water supply by Mekorot Company for communities surveyed during the past two weeks (Sept/ 2004).**

No.	Comm. ID	Comm. Name	District	Date	Water supply (m3/month)		
					From all sources	Mekorot Supply (current)	Mekorot Supply (regular)
1	301455	Qarawat Bani Zeid	Ramallah	05/09/2004	2700	1800	2300
2	301480	Bani Zeid	Ramallah	05/09/2004	12000	9000	11000
3	301515	Rantis	Ramallah	09/09/2004	2800	2200	3000
4	301540	An Nabi Salih	Ramallah	05/09/2004	700	480	590
5	301560	Deir Nidham	Ramallah	07/09/2004	1500	1200	1450
6	301850	Beit Sira	Ramallah	07/09/2004	4500	3500	4000
7	452175	Battir	Betlehem	04/09/2004	12000	10500	12000
8	452230	Husan	Betlehem	04/09/2004	11000	10000	9000
9	452235	Wadi Fukin	Betlehem	04/09/2004	2500	2000	2000
10	452325	Nahhalin	Betlehem	04/09/2004	17000	16000	15000
11	502560	Kharas	Hebron	07/09/2004	7000	4000	6000
12	502655	Beit Kahil	Hebron	08/09/2004	4000	3000	5000
13	502885	Al Hijra	Hebron	06/09/2004	600	300	550
14	502955	Deir Razih	Hebron	05/09/2004	300	100	400
15	503165	Al Bira	Hebron	07/09/2004	300	200	400
16	503230	As Simiya	Hebron	07/09/2004	2000	1500	2500

**Table 3: Effect of checkpoints, earth mounds, and curfews on access to services in the surveyed communities.**

No.	Comm. ID	Comm. Name	District	Date	Fixed check point effect on						Mobile check point effect on			Earth mounds effect on			Curfew effect on		
					Tankers	Ch. Point name	Maintenance teams	Ch. Point name	PHC access	Ch. Point name	Tankers	Maintenance teams	PHC access	Tankers	Maintenance teams	PHC access	Tankers	Maintenance teams	PHC access
1	301455	Qarawat Bani Zeid	Ramallah	05/09/2004	NA		NA		NA		1	1	0	NA	NA	NA	1	1	1
2	301480	Bani Zeid	Ramallah	05/09/2004	NA		1		NA		1	1	1	0	0	0	2	2	2
3	301515	Rantis	Ramallah	09/09/2004	NA		NA		NA		2	0	1	0	0	0	1	1	1
4	301540	An Nabi Salih	Ramallah	05/09/2004	NA		1		NA		1	1	1	0	0	0	1	1	1
5	301560	Deir Nidham	Ramallah	07/09/2004	NA		0		1		NA	1	1	NA	NA	NA	NA	0	0
6	301850	Beit Sira	Ramallah	07/09/2004	NA		NA		NA		NA	0	0	NA	NA	NA	NA	2	2
7	452175	Battir	Betlehem	04/09/2004	2	Beit Jala (DCO)	0		2	Beit Jala (DCO)				2	0	2			
8	452230	Husan	Betlehem	04/09/2004	0		0		2	Beit Jala (DCO)				0	0	2			
9	452235	Wadi Fukin	Betlehem	04/09/2004	0		0		2	Beit Jala (DCO)				0	0	2			
10	452325	Nahhalin	Betlehem	04/09/2004	0		0		2	Beit Jala (DCO)				0	0	2			
11	502560	Kharas	Hebron	07/09/2004															
12	502655	Beit Kahil	Hebron	08/09/2004	2	Beit Khahil Gate	1	Beit Khahil Gate	2	Beit Khahil Gate				2	1	2			

No.	Comm. ID	Comm. Name	District	Date	Fixed check point effect on						Mobile check point effect on			Earth mounds effect on			Curfew effect on		
					Tankers	Ch. Point name	Maintenance teams	Ch. Point name	PHC access	Ch. Point name	Tankers	Maintenance teams	PHC access	Tankers	Maintenance teams	PHC access	Tankers	Maintenance teams	PHC access
13	502885	Al Hijra	Hebron	06/09/2004	2	Fawwar Gate	1	Fawwar Gate	2	Fawwar Gate									
14	502955	Deir Razih	Hebron	05/09/2004	0		0		2	Fawwar Gate				0	1	2			
15	503165	Al Bira	Hebron	07/09/2004	2	Beit Awwa junction	1	Beit Awwa junction	2	Beit Awwa junction	1	1	1						
16	503230	As Simiya	Hebron	07/09/2004	0		0		2	Fawwar Gate	1	1	1	0	2	0			

(\*): The followings have the corresponding meanings : 0: No Effect 1: Intermediate Effect 2: High Effect

**Table 4: Damages in water infrastructure during the past two weeks**

No.	Community ID	Community Name	District	Date	Wells		Springs		Tankers		Roof Tanks	Cisterns	Reservoirs		Water Network Destruction		
					Comp.	Part.	Comp.	Part.	Comp.	Part.			Comp.	Part.	Main Lines	Secondary Lines	% of affected population
1	301455	Qarawat Bani Zeid	Ramallah	05/09/2004							8						
2	301480	Bani Zeid	Ramallah	05/09/2004						1	9						
3	301515	Rantis	Ramallah	09/09/2004													
4	301540	An Nabi Salih	Ramallah	05/09/2004													
5	301560	Deir Nidham	Ramallah	07/09/2004													
6	301850	Beit Sira	Ramallah	07/09/2004							3						
7	452175	Battir	Betlehem	04/09/2004													
8	452230	Husan	Betlehem	04/09/2004													
9	452235	Wadi Fukin	Betlehem	04/09/2004													
10	452325	Nahhalin	Betlehem	04/09/2004													
11	502560	Kharas	Hebron	07/09/2004													
12	502655	Beit Kahil	Hebron	08/09/2004													
13	502885	Al Hijra	Hebron	06/09/2004													
14	502955	Deir Razih	Hebron	05/09/2004													
15	503165	Al Bira	Hebron	07/09/2004													
16	503230	As Simiya	Hebron	07/09/2004													