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1-Project Description

Al Kharayeb is geographically, one of the largest municipalities in Sahel Zahrani and it includes several farms (Wassita, Omraniya and Jamjim).

Kharayeb is known by its mixed population (Lebanese, Syrian and Palestinian). The area is about 25,000 acres. There are 17 neighborhoods in Kharayeb (Baydar, Kalaa, Al kate'e, Al deir, Jouret ijassa, zahr el awamid, zaheir al ein, Tabliye, Bablieh, bayada, khalet al makssour, sakniyeh, Mahdoume, jamjim farm, kfarbada camp, kassmiye camp, and wassta farm).

The number of permanent residents is around 10,000 people and about 600 Syrian refugees' families.

The sewer lines in Kharayeb are directed into the river, an old sewer line was created by the municipality, but it's not functional anymore. People normally use the river water for irrigation. It is prior to mention that all the sewer leakages are infecting the underground water too.

Now and after the increase in the population due to the Syrian refugees' arrival, wastewater has been increased dramatically and the sewer network needs an immediate intervention. Therefore, it is necessary to build a new sewer network of about 1,750 m.

This project will benefit indirectly all the town population (about 10,000 persons), and directly 400 houses (about 2,000 persons)



Figure 1: Waste Water Pond in the River



Figure 2: Waste Water Mixed with River Water (Rain Water)



Figure 3: Waste Water Pond