

- Lack of experience by leading constructor in executing projects of this magnitude;
- The contract period of 18 months for the construction of the treatment plant was unrealistically short and should have been of 24 months.

It is intended that the wastewater treatment plant will go into operation in the second quarter of 2000, just before the conclusion of the actual phase of Technical Cooperation. That means that the programmed assistance during two years of operation of the plant through the Technical Advisor could not take place within the actual phase.

3. RESULTS OF THE PPR

The planning of the Technical Cooperation component had been established in accordance with the Project Planning Matrix of 1993 and 1996. The Operation Plan for the execution of the different activities was lastly actualized in 01/1999 and covered the period till 12/1999. These documents have served during the PPR-mission as reference for the evaluation, taking well into account the accumulated delay of the overall project of 18 to 21 months.

Project Purpose:	The City of Al Bireh is enabled to operate its sewerage system properly and cost effectively; a tuned concept for controlled agricultural utilization of wastewater and sewage sludge has been developed and introduced.
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The project purpose has only been achieved partially, mainly due to the delayed finalization of construction of the wastewater treatment plant and the non-implementation of the reuse concept as proposed in the corresponding concept study of 1998. Nevertheless it can be confirmed that important preconditions within the Municipality, especially regarding the technical operation of the already used sewer network and pumping stations, have been fulfilled. Additionally it should be highly recognized that, regardless of the delay of nearly 2 years, the Municipality of Al Bireh is continuing to contribute to the success of the project maintaining available the complete personnel for the operation of the treatment plant.

Therefore it can be stated that the project purpose will, probably, be achieved once construction activities are finalized, the entire sewerage system is operated and the concept for the reuse of the treated wastewater and sludge is introduced.

Result 1:	The sewerage system including the wastewater treatment plant of Al Bireh City is operated properly.
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To achieve this result, it was planned to prepare the corresponding technical standards and guidelines, identify and compile the industrial and commercial polluters including the establishment of a wastewater cadastra, introduce an effective operation and control system and improve the working and administrative routine within the Sewage Section of the Municipality. Furthermore it was agreed to qualify the technical operation personnel through theoretical and practical training, to contract additional personnel according to the requirements for an adequate operation, to train future operational and administrative personnel, and to accompany the operation of the treatment plant during an initial period of two years.