

# Project Monitoring-Schedule

Sewerage Project Al Birch  
Project

95 67 058  
BMZ-Nr.

Palestinian Territories  
Country

Wso  
Project Officer

Annex 1/2

22.1.96  
Date

9. AUG. 1996

9:40

KFM FBI LIA

NR-622

5.19/21

Objectives, Results, Measures	Indicators	Source	Reporting (form and frequency)
<b>Overall objective</b> - Protection of regional water resources - Reduction of health risks of the population in the Project Region			
<b>Project Goal</b> Wastewater disposal in Al Birch environmentally sound and safe for people's health	- Treatment plant effluent with less than 20 mg BOD5, 30 mg SS/l and 1000 FC/100 ml - On average > 7.500 m <sup>3</sup> wastewater are treated and conveyed from the natural catchment area Wadi El Ein to the neighbouring Wadi Abu el Feed - 85 % connection rate 2 years after start of operation	Municipality: Operation logbook  Operation logbook  Engineering department	Evaluation of indicators in an annual report (from start of operation until final project evaluation)
<b>Assumptions for the Project Goal</b> 1. Wastewater treatment capacity is properly used, treatment plant is properly operated	1. No switch-offs due to money shortage or operating errors	Municipality: 1. Operation logbook	
2. Wastewater quantities develop according to prediction 3. Extension of the sewer network by the municipality of Al Birch according to demand 4. Operation personnel trained and qualified 5. Coverage of at least operation cost 6. Regulations for inflow are observed 7. Emptying of cess pits is carried out on schedule and according to demand, sludge is transported to the treatment plant 8. Wastewater and sludge regulations are observed	2. Population growth rate < 3,5% p.a., domestic water consumption < 102 l/cd, infiltration < 0,05 l/s/ha 3. Areas with > 150 E/ha in Al Birch are connected to the central sewerage system 4. Personnel meets qualification requirements 5. Tariff system and collection ratio ensure solvency 6. No discharges of harmful substances to the sewer network 7. No overflow of cess pits, no uncontrolled discharge of sludge tankers 8. No irrigation of restricted crops, no uncontrolled disposal of sludge	2. Engineering department 3. Engineering department 4. Engineering department, GTZ 5. Accounting, tariff statutes, GTZ 6. Effluent monitoring 7. Operation logbook 8. Operation logbook	1. - 8.: Evaluation of indicators in an annual report (from start of operation until final project evaluation)