Date of Draft: March 2000

Logframe Matrix Annex 1

Project Title:	Project Number: LI 2000-X-XX	Date of Drafting:	
Prienai Regional Water Supply	Contracting Period Expires: December 2002	Disbursement Period Expires: December 2003	
and Sewerage Network	Total Budget: 2.67 MEUR	Phare Contribution: 2 MEUR	
Expansion and Renovation			
Wider Objective	Indicators of Achievement	Sources of Information	Assumptions and Risks
 Prevention from eutrophication of the biggest Lithuanian river Nemunas and restoration of its biodiversity. Contribution to the achievement of the EU requirements for drinking water and wastewater treatment. Addition to Lithuania's implementation of the environmental requirement set out in the NPAA. Contribution to the regional development 	 Reduced water pollution in the basin of Nemunas River in terms of suspended solids, P and N. Reduced groundwater and soil pollution Meeting of the environmental EU requirements for drinking water and wastewater in Prienai town Compliance with HELCOM standards 	 pollution and ecological monitoring sectoral and general government statistics reports of the Ministry of Environment, Alytus Regional Environment Protection agency, Prienai Branch economic and financial appraisals NPAA 	State government follows the Approximation Strategy in Environmental in the wastewater sector wastewater discharged by the Prienai s WWTP to Nemunas river makes significant and measurable impact on river's aquatic ecosystem IFI's loan and municipal co-funding is available
Immediate Objectives	Indicators of Achievement	Sources of Information	Assumptions and Risks
 To prevent a leakage of untreated sewage water to the soil and groundwater. To reduce the discharge of toxic and other dangerous substance into the environment. To expand town's water supply and sewage collection system. To improve the quality of water services in Prienai town and surroundings and to reduce water looses. To improve the quality of drinking water To increase the reliability and efficiency of the water supply and sewage removal systems. 	 Reduction of the pollution of the Nemunas basin from the present level - BDS7 154 mgO₂/1 to 15,3 mgO₂/1 (ie. reduction of pollution by 103 tons/year) Laying of 11 km of water supply and 8 km of sewage collection pipelines Supply of high-standard quality water in addition to 4,500 inhabitants and connected to the new system Reduction of the number of accidents in the Prienai Water-Supply System by 50% 	 Laboratory tests and surveys HELCOM reports Reports of the Ministry of Environment and Alytus Regional Environment Protection agency, Prienai Branch Project records General statistics Prienai Water Company's reports, balance sheets and other financial documents 	 Proper testing and surveying techniques Expansion of the water-supply and sewerage system is in accordance with the General Plan of Prienai City

Outputs	Indicators of Achievement	Sources of Information	Assumptions and Risks
 Expansion and renovation of the water supply – sewerage networks in the central part of Prienai. Connection of the total of 71% of town's population to the centralised water supply and sewage collection system 953 thousands cu.m/year of wastewater turned to the Birstonas WWTP for mechanical and biological treatment Reduction of water loses by 50% Reduction of the content of iron in the drinking water to from 1.8 to 0.2 mg/l Decrease of health risks and improvement of living conditions in the Prienai town and surroundings. 	 Laying and renovation of water-main line - 11 kilometers of 80-300 mm. diameter polyethylene pipes. Laying of sewerage main line - 8 kilometers of 150-200 mm. diameter pipes. Laying the underwater duiker through the Nemunas river for the pressure pipeline of 300 mm diameter, 400 m - length Building of 3 sewerage pumping stations in the town of Prienai Building of 2 water pressure rise stations Establishing of 2 depth artesian well of 150 mm diameter in Prienai watering-place Expansion of iron-removal equipment through installing 2 filters TFB operation and maintenance costs saving annually 	 Contractor's work schedules and programmes Site and project records Engineer's certificates and reports Site inspections and visits CBC monthly reports 	Appropriate materials and construction techniques will be adopted Construction works will be monitored and supervised properly Prienai Water Company has sufficient administrative capacities to manage the implementation of the project A legislative basis is sufficient to ensure a proper functioning of revenues generating and fine systems
Inputs	Indicators of Achievement	Sources of Information	Assumptions and Risks
 Phare contribution: 2 MEUR Local co-funding: 1.67 MEUR Detailed design and tender documents prepared EIA carried out Supervision and monitoring Phases I and II carried out from local sources 	 Engineering design and technical specifications prepared Tenders launched and funds committed and disbursed Supervision structure established in accordance with FIDIC requirements Monitoring structures is place 	 CFCU database Project reports Contracts signed EC Delegation evaluation missions Water Company records 	Tender documents and EIA prepared by the end of 2001 Proper functioning of structures of committing and disbursing of funds Adequate staffing in the institutions involved Proper co-ordination of work of all the institutions involved