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**Boli Yarkulov\*** (profyarkulov@yahoo.com), Street Beruniy 86/56, samarkand, 140107, Uzbekistan. *Verifying hydraulic design of the water-conducting networks taking into account the maintenance of the reliability.*

This paper presents the questions of providing and supporting reliability in projecting and exploitation of water-pipe networks. Mathematic model of checking hydraulic calculation of water-pipe networks with considering reliability is formulated. To solve the formulated problem, it offers special approach, which consists of three steps. (Received August 28, 2006)