



Microbiological Safety of Drinking Water in Tirana, in Relation to Primary Springs, Communal and Individual Network Supply

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Abstract: This paper introduces a survey on the microbiological safety and quality of the drinking water, disinfection processes applied and other aspects related to the drinking water safety, in the whole network supply in Tirana city. The samples were taken from Area "A" and "B" located in two different parts of the city. Area "A" is a new residential area with a new distribution network. The drinking water that supplies area "A" is derived from springs Selita, Shën Mëri and Murgash. Area "B" is an area with old houses and apartments, supplied from three wells drilled near the Pumping Station. Thirty three samples were taken at various points, as: 1-output lines of wells, 2-in UKT (Communal Supply Network) reservoir, 3-stocking warehouse, 4-individual storage tanks in apartments, 5- in taps of private homes and apartments, new and old construction. It results that samples taken from taps in the area "A" have a lower total microbiological charge than analyzed samples of area "B" which has a level of contamination about 2 times higher than the area "A".

Keywords: *drinking water, indicator microorganisms, microbiological safety, supply network.*

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