

## **Bacteriological Parameters of Drinking Water at R.W.C. “Radoniqi” Gjakovë**

Luan Daija<sup>1\*</sup>, Xhelal Këpuska<sup>1</sup>, Seit Shallari<sup>2</sup>, Leonard Shehu<sup>1</sup>

<sup>1</sup>Regional Water Company “Radoniqi” in Gjakova, Kosovë; <sup>2</sup>Tirana Agricultural University, Department of Agrienvironment and Ecology, Tiranë, Albania

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**Abstract:** In this paper are presented the results of bacteriological parameters, in order to assess the microbiological contamination of drinking water in water supply network of RWC "Radoniq" Gjakova. Water is tested for the presence of total coliform bacteria, coliform bacteria with fecal origin and total number of aerobic mesophilic bacteria. These bacteria are mainly used as a pollution indicator. Monitoring was carried out for three months between years 2011 and 2012 and for four months in 2013, in eight different locations. In the laboratory for analysis of indicators of drinking water quality in RWC "Radoniq" Gjakova is carried out water quality monitoring of bacteriological indicators according to a set timetable in these locations: Reservoir in Treatment Plant Radoniqi, Qerim Reservoir, City Ambulance, Hospital, Second zone in Orahovac, Rogova Ambulance, Krusha e Vogël and Mosque in Ratkovc. The results obtained show that the drinking water of RWC "Radoniq" is of a high quality water, except in the supply network of the village of Krusha e Vogël and Ratkovc where are found bacterias as result of mixing of irrigation water with drinking water done by installations made by the residents of the village, as well as in Second zone in Orahovac as consequence of the amortization of pipeline. Remarks made by RWC "Radoniqi" resulted with interventions, as disconnection of irrigation pipes in locations seven (Krusha e Vogël) and eight (Ratkovc), also with the replacement of the pipeline in location five (Second zone in Orahovac). Therefore analysis of drinking water of RWC "Radoniqi" Gjakova made after interventions have resulted with norms according to WHO and Administrative Instruction nr.16/2012 for Quality of Water for Human Consumption.

**Key words:** *laboratory, bacteriological, water, parameters, methods, results.*

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\*Corresponding: E-Mail: [luan\\_daija@yahoo.com](mailto:luan_daija@yahoo.com); Tel: +38649732512 Fax: +381390320997