

MONITORING THE QUALITY OF WATER USED IN DIALYSIS

Goal of the project

The project objective is to monitoring the quality of water used in dialysis.

Short description of the project

During the project various parameters of the water used for dialysis are analyzed periodical from samples collected by the beneficiaries. The analyzed parameters and the times for the samples collections are commonly agreed by the beneficiaries and by the execution team. The analysis of the main parameters for the monitoring the quality of water used in dialysis is necessary in order to assure that the obtaining process of water used in dialysis operate in the best conditions and the resulted water is in the frame of the parameters required by the current legislation.

Project implemented by

Faculty of Industrial Chemistry and Environmental Engineering, Department of Applied Chemistry and Engineering of Inorganic Compounds and Environmental.

Implementation period

01.01.2013-31.12.2013

Main activities

During the project will be analyzed the concentration of the following parameters: Ca, K, Mg, Na, Al, Cu, Pb, Cr, Sb, As, Ba, Cd, F, Hg, NO₃⁻, NO₂⁻, Se, Ag, SO₄²⁻, Z n, from the network water, softened water and permeate. The main parameters are analyzed dailies and other are analyzed monthly in accordance with the achieving plan established by the both parts involved in the project.

Research Centre

Research Centre for Environmental Science and Engineering

Financed through/by

Research - Development and Consultancy Contract with S.C. VAMAGO S.R.L. and S.C. NEFROMED S.R.L.

Research team

Lecturer Dr. Eng. Adina Negrea - director

Results

The results of the project are represented by the establishment of the quality of water used in dialysis.

Applicability and transferability of the results

The obtained results are useful for the assurance that the obtaining process of water used in dialysis operates in the best conditions and the resulted water is in the frame of the parameters required by the current legislation.

Contact information

Assist. Prof. Adina NEGREA, PhD
Faculty of Chemistry and Environmental Engineering
Address: Bd. Vasile Pärvan, No. 6, RO300223, Timisoara
Phone: (+40) 256 404 192
Mobile: (+40) 723 649 897
E-mail: adina.negrea@upt.ro