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A NOTE ON THE EFFICACY OF WATER TREATMENT PLANTS IN FLUOROSIS AFFECTED AREAS – A CASE STUDY IN NALGONDA AND NARKETPALLY AREAS, ANDHRA PRADESH, INDIA

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Abstract

Geochemistry of groundwater in fluorosis affected belts of Nalgonda and Narketpally areas have been carried out on eleven samples to study the quality parameters. The groundwater of these areas is subjected to Reverse Osmosis Processes to purify the water for drinking purposes. Eleven samples of reverse osmosis permeate have been analyzed chemically to study the efficiency of these reverse osmosis plants in removing or reducing the concentration of elements. The analytical results indicated that performance of these reverse osmosis plants was satisfactory in removing high TDS, F^-, NO_3^- and other ionic species and also permeate concentrations are within permissible limits prescribed for drinking water purposes.

Keywords: Reverse osmosis, Permeate water, Nalgonda, Narketpally areas.

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