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Assessment of oil treatment facilities impact on radiation environment in adjacent areas

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Abstract

Upstream and downstream activities result in large environmental emissions of natural radionuclides. Specific activity of radionuclides in soil samples from Tatneft assets was analyzed to evaluate oil treatment facilities impact on radiation pollution of the environment. Reliable identification of radio-geochemical anomalies was achieved through landscape-geochemical zoning and detailed analysis using R statistical software.

Keywords

Oil sludge, Radiation pollution, Statistical analysis, Stock tanks