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Radiation Exposure of Workers in the Industrial Complex of the Power Plant "Kosova-B" – Obiliq

Fadil Hasani[1*], Fatbardh Sallaku[2], Mustafë Bytyçi[3], Konstadin Dollani[4]

[1]Ministry of Environment and Spatial Planning - Kosova , [2] University of Agriculture - Tirana, [3]University of Prishtina, FSHMN - Department of Physics, [4]University of Tirana, FSHN - Center for Applied Nuclear Physics

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Abstract: In this study there are determined the levels of radiation doses to non enhanced materials (coal) and the changing level of these doses of radiation after the technological enhances of the materials, respectively NORM & TENORM. The directly field measurements are conducted by the detectors: Gamma spectrometer Gr-130; Inspector–EXP-Radiation Alert, TA-PUG-7A and Gama monitor- SGM-29-246. The field measurements indicate that the level of radiation dose of lignite and ash residues and soot are from 75 nSv/h to 131.23 nSv/h. Then samples from the field are treated in terms of physic-chemical aspect in the Centre of Applied Nuclear Physics in Tirana, where are determined the radionuclide's and also is determined the concentration of radiation. It is determined the specific activity Gamma Total.

Key Words: *Radioactivity, Radiation, Specific activity, Detector, Norm, Tenorm.*

[*] *Corresponding: E-Mail: fadil.226@gmail.com; Tel: +377 (0) 44 161 425*