

CONSIDERATIONS ABOUT TREATMENT AND HANDLING OF
RADIOACTIVE SCALES FROM PETROLEUM AND FORMATION WATERS

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ABSTRACT

The phenomenon of "scale deposition" in oil well tubing may generate some radioprotection problems because of the presence of Uranium and Radium concentrations.

In this work the authors have carried out a program of environmental radioactive measures around oil and gas field.

The results take into account spectrometric and integrated dose values which are discussed and analysed in function of:

- age of oil/gas well
- geological configuration
- type of exploitation

In any case health physics problems exist, not relevant but significant with particular care in handling and treatment of piping and tubing.

Radiological conclusions are discussed.