

ABSTRACT

The main aim of this bachelor thesis is mining of uranium ore and its impact on the environment of the Dolní Rožínka area. The first part is focused on a knowledge summary of mineralogical and geological overview, which limits are examined area and characterises uranium bearings in Rožná. It is dealt also with the history of uranium mining and over a brief technological activities in processing of the raw uranium under responsible company of DIAMO, represented by the GEAM Dolní Rožínka. Furthermore some specific aspects of activities are described in a relation to rehabilitation and recultivational measures in affected area of Dolní Rožínka. Second part is dealt to individual aspects of negative impact on environment and the risk some radionuclides escaping into surrounded nature, especially a local waters, the air and the soil and changes within surroundings with secondary formation of ecosystems. This is a demonstrative that meaning of uranium has an impact on health miners and employees of chemical department as well as locals. The last part of thesis presents the possibilities of implementation of the studied topic in Primary School education.

KEYWORDS

Uranium, mining, landscape recultivation, environment, teaching, primary school

