

Summary

The role of state in providing nuclear safety

The goal of this paper is to reflect on development, present situation and future progress in nuclear safety in Czech republic, European Communities and whole world.

This thesis is composed of eight chapters.

The first chapter describes general use of nuclear energy and ionizing radiation. The second chapter presents definition of nuclear safety. The third chapter outlines work of international organizations in nuclear safety (especially International Atomic Energy Agency and Western European Nuclear Regulators' Association) and mentions international treaties dealing with nuclear safety and related topics. The fourth chapter looks at creation of community framework of nuclear safety. The fifth chapter includes information about development of atomic law in Czech republic with emphasis on creation of Act No. 18/1997 Coll on Peaceful Utilisation of Nuclear Energy and Ionising Radiation (Atomic Act). The largest chapter is the sixth chapter which describes providing nuclear safety in Czech republic today. This chapter describes nuclear safety, radiation protection, emergency preparedness, liability and waste management safety fundamentals in its subchapters, but main attention is paid to The State Office for Nuclear Safety (SÚJB). The first part of the subchapter about The State Office for Nuclear Safety refers to the structure of this office, position of chairman of The State Office for Nuclear Safety and possible changes of establishment from chairman to board or council. Next parts deal especially with decrees and problems with their creation and inspections. Last chapters comprising conclusions are preceded by a subchapter about comparison of Czech, US and Slovak regulatory body.

Outcome of this paper is that problems with creation of decrees and changes in european and international atomic law require new atomic act. Concerning civil liability and liability of state in the case of nuclear damage we can expect changes particularly in response to terrorism.

Jaderná bezpečnost – nuclear safety

Státní úřad pro jadernou bezpečnost - The State Office for Nuclear Safety