



Danube WATER Integrated Management MIS ETC code 161

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The partners involved in activity 12 of the project: PP6 - National Research&Development Institute for Chemistry&Petrochemistry-ICECHIM Bucharest Romania,, Romania, PP7 - Authonomus Company of Technologies for Nuclear Energy - Institute for Nuclear Research Pitesti – Mioveni, Romania, PP8 - University POLITEHNICA of Bucharest and PP13 - Institute for Nuclear Research and Nuclear Energy- INRNE Sofia, Bulgaria developed the new technologies for wastewater processing and conditioning the liquid organic wastes radioactively contaminated from the Nuclear Power Plants.

Technology for radioactively contaminated wastewater from the nuclear power plants processing (PP6, PP7, PP8, PP13)

Benefits of selected ion exchange method:

- High decontamination factors, on average 10^3
- High volume reduction factors for low salt content waste
- Process costs reduction
- Higher factor of environment protection

Technology for processing and conditioning the liquid organic waste radioactively contaminated from the nuclear power plants (PP6, PP7, PP8)

Benefits of selected demulsification – sorption method:

- Reducing waste volumes
- Process costs reduction
- Higher factor of environment protection

The technologies meet waste storage and final disposal in order to protect human health and the environment.



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