

## MONITORING THE QUALITY OF WASTES FROM TECHNOLOGICAL PROCESS

### Goal of the project

The project objective is to monitoring the quality of wastes from technological process.

### Short description of the project

During the project various parameters of wastes are analyzed periodical from samples collected by the beneficiaries. The values of the analyzed parameters was commonly agreed upon by the beneficiaries and the execution team.

The analysis of the main parameters for the monitoring the quality of wastes is required for their according to law.

### Project implemented by

Faculty of Industrial Chemistry and Environmental Engineering.  
Department of Applied Chemistry and Engineering of Inorganic Compounds and Environmental.

### Implementation period

November 13, 2017 until November 14, 2018

### Main activities

The main activities of the project are:

- Analysis of volatile compounds (COV) from solid and liquid waste.
- Leaching testes for sludge to be placed in a class of waste.
- Analysis of the following parameters:  $\text{Cr}^{3+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Ni}^{2+}$ ,  $\text{Cd}^{2+}$ ,  $\text{Pb}^{2+}$ ,  $\text{Zn}^{2+}$ , pH and humidity of the sludge.
- The main parameters are analyzed once a month in according to the project plan.

### Results

1. The volatile compounds (VOC) from waste were analyzed.
2. The concentration of heavy metals in the sludge was determined.
3. Sludge leaching testes were made.

### Applicability and transferability of the results

- Improved university–industry relationships.
- Updating curricula in accordance with the economic realities of the local area.
- The results are consistent with the legislative framework in force. Adoption by the university of new mechanisms and management techniques resulted from the project activities.

### Financed through/by

S.C. FLEXTRONICS ROMANIA S.R.L.

### Research Centre

Research Center of Environmental Sciences and Engineering

### Research team

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### Contact information

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