



## PROJECT INFORMATION

### German-Polish exchange of experience in exemplary sewage sludge management

Updated: February 2015



Visit to an example sewage sludge incineration plant

Photo: Gdansk Water Foundation (GFW)

#### Background

Sustainable sewage sludge management and safeguarding natural resources such as phosphorus (P) are topics of current concern for both the German government and the European Commission. Implementing the recovery of P from sewage sludge on a commercial scale and using sewage sludge for energy recovery in mono-incineration plants with subsequent recovery of P from ash constitute measures that contribute to these objectives.

#### Project details

The aim of the project was to launch an exchange of information and experience between Polish and German experts on technologies and management approaches for P recovery from sewage sludge and thermal sewage sludge utilisation (mono-incineration). The project's main activity was a study tour which took Polish experts to exemplary sewage sludge utilisation plants in Germany. In addition to visiting the sewage sludge mono-incineration plants in Berlin, Neu-Ulm, Altenstadt, Munich, Straubing and Nuremburg, the focus was on identifying solutions to technical problems at existing plants in Poland which have the same design. The experts also visited a plant for P recovery by means of magnesium ammonium phosphate (MAP) precipitation in Berlin-Waßmannsdorf. A seminar at the end of the tour provided information on current political developments in sewage sludge utilization in Germany and on technical concepts for P recovery and ash utilization. In a final summing up session, the participants discussed possibilities for transferring German solutions to Poland and agreed to continue the technical cooperation on this topic.

**Target country:** Poland

**Duration:** 10/2014 – 02/2015

**Beneficiary:** Technical staff of wastewater treatment and sewage sludge incineration plants, municipal decision-makers

**Implementing organisation[s]:** Gdansk Water Foundation (Gdańska Fundacja Wody, GFW), Federal Institute for Materials Research and Testing (BAM)

**Project number:** 47245

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#### Advisory Assistance Programme

(AAP) for environmental protection in the countries of Central and Eastern Europe, the Caucasus and Central Asia and other countries neighbouring the European Union – a programme of the German Federal Ministry for Environment Nature Conservation, Building and Nuclear Safety

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