

## Phos4You demonstrator shows good results with ashes from Emscher-Lippe region

*Phos4You – We deliver Phosphorus „made in Europe“*

**Phosphorus recovery from sewage sludge ashes of the Emscher-Lippe area is successful with the REMONDIS TetraPhos® process. Within the INTERREG NWE project Phos4You, the Lippeverband showcased a constant P recycling rate of more than 85%.**

To find the best technology provider the Lippeverband organized a European tendering procedure. In this, REMONDIS Aqua convinced with its TetraPhos® process. This process recovers the Phosphorus contained in sewage sludge ashes by chemical leaching and subsequent purification. Final product is a high quality phosphoric acid (brandname REPACID®).

In the framework of Phos4You it was investigated if the TetraPhos® process is suitable to recover P from the sewage sludge ashes in the Emscher-Lippe-Region. The Lippeverband together with the Emschergenossenschaft as German waterboards treat waste water from about 3.6 Mio. people in the Emscher-Lippe-Region. The evolving sewage sludge mostly gets incinerated - about 66.000 t sewage sludge ashes are produced every year. These ashes have a relatively low P load (below 6% P). After adaptation to the characteristics of the Emscher-Lippe-ashes, the TetraPhos® process showed good results: At the REMONDIS Aqua pilot plant in Werdohl-Elverlingsen, stable operation of the process and achievement of Phosphorus recycling rates constantly exceeding 85% was demonstrated for a prolonged period of time.

Read more: <http://www.nweurope.eu/projects/project-search/phos4you-phosphorus-recovery-from-waste-water-for-your-life/news/phos4you-demonstrator-shows-good-results-with-ashes-from-emscher-lippe-region/>