



Press release (07-02-2005)

## **WATER BOARD REGGE AND DINKEL AND MUNICIPALITY DINKELLAND INVEST STRONGLY IN IMPROVING WATER QUALITY WATER PEARL OOTMARSUM**

Clean water is of vital importance. In Ootmarsum water board Regge and Dinkel and the municipality Dinkelland are working together to improve the quality of (urban) water. Water which will eventually arrive in an area which is of high natural value and because of that got the designation 'water pearl'. For this reason it deserves the best possible water quality. Moreover we must be able to satisfied to the strict European water quality directives for this particular area within a number of years. Only by taking joint measures we'll be able to realise the quality we want. For this reason the municipality and the water board will invest more than € 10,000,000.-- in several measures the coming years.

### **Measures on a row:**

#### **Diminishing the drain of unpurified effluent, by constructing storage and settlement tanks for the sewage system**

The municipality had to invest within the framework of more earlier made agreements, strongly in the construction of four storage and settlement tanks for the sewage system behind the storm water overflow of the sewer system in Lattrop, Tilligte and Ootmarsum. These tanks ensure that extra sewer water can be stored in the sewer system of Ootmarsum. So draining unpurified effluent on the vulnerable water system can be prevented as much as possible. The storage and settlement tanks in Lattrop and Tilligte have already been constructed in 2004 and 2005. In Ootmarsum tanks like these will also be constructed in an industrial area (Tooslag) witch drains on the Kropsbekke and a storm water overflow close to a sports park (de Mors) that drains on the Molenbeek. Both are vulnerable water systems.

#### **Diminish water nuisance and overload of the WTP-Ootmarsum by rain water disconnecting Tilligte**

A manner to relieve the wastewater treatment plant (WWTP), so that it can do its work optimally, is to infiltrate the relatively clean rain water directly into the ground, instead of leading it through the sewer system to the WWTP.

In a part of Tilligte such a disconnection project has been already been carried out. Now both water nuisance and overload of the WTP Ootmarsum, during violent rain fall are prevented as much as possible.

### **Improving WTP-Ootmarsum: new purification unique in the Netherlands**

Eventually the effluent of Ootmarsum, Lattrop and Tilligte comes rightly in the WTP-Ootmarsum. To be able meet the high water quality requirements, the filtered water must flow from the WTP almost crystal clear. For this reason the new purification in Ootmarum is converted to a hybrid mbr-installation. This hybrid mbr-installatie is a combination of a traditional purification plant and a new purification technique: purifying by means of membranes. A membrane is a type of drinking straw with lodes of minuscule holes. Water is pressed though these holes, the silt lags behind in the membranes and the clean water flows further. In 2005 the first mbr-instrallation in the Netherlands has been opened in Varsseveld. Ootmarsum is the third WTP in the Netherlands which will filter sewer water using membranes, and is part of a rural project with membrane purification plants. The way this new technique is combined with the more traditional manner of purification in Ootmarsum, is unique in the Netherlands.

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