

# Job Report

## Project

Landfill Zeeasterweg compartment B 2012

## Total Project Area

87,500 m<sup>2</sup>

## Required Technique

Liner

## Client

Afvalzorg Deponie BV



## Liner

# Cofra

The HDPE processed by Cofra meets the requirements which are outlined in the BRL-K 538/01: 'Assessment sealing liners of high density polyethylene (HDPE) without reinforcement'. With this the material has not only been qualified for normal underground application, but can also be used as a cover material which will be exposed to UV-rays. The HDPE is made of high density polyethylene (HDPE) containing carbon black, antioxidants and stabilizers.

## Quality

Securing our activities on the worksite is essential in order to ensure our clients of a quality installed liner. To this end Cofra has been certified by Kiwa according to the most recent ISO standard, ISO 9001 version 2000. Additionally, Cofra has been certified by Kiwa based on BRL-K537. These certificates guarantee a high level of quality in the processing of the liner.

## The project

Landfill Zeeasterweg is located at Lelystad, Flevoland, the Netherlands. At the Landfill the client needed more capacity for dumping waste. Therefore it was needed to make a new compartment at the landfill. The Dutch government rules say that a bottom seal of a landfill must always be made with double bottom seal, a mineral based liner and a HDPE 2,0 mm liner.

The project started half of June 2012 and was finished end of September 2012. Cofra installed the liner as a bottom seal in a new compartment at the landfill. The area Cofra B.V. have installed is about 87.500 m<sup>2</sup> of smooth liner. After the installation of the main area there was a dike of sand placed on the liner. This dike will be used as stability berm and compartment boundary. Also this dike was capped with HDPE 2,0 mm liner. To attach the liner from the dike to the main liner in the compartment, Cofra B.V. have made two extrusion welds of more than 400 meter long.

At this project Cofra has used HDPE liner from Naue GmbH & Co KG. The liner used was Carbofol PEHD 2,0 mm smooth. This liners is BRL-K 538 certified. The HDPE liner was installed on a mineral based liner as part of the bottom seal.

