

*Louvain-la-Neuve, Belgium
December 12th, 2007*

CARMEUSE France launches the CODECAL[®] process at POLLUTEC, the international professional fair in Paris on environmental challenges

The CODECAL[®] process has been developed by CARMEUSE for pre-liming and post-liming in the dewatering process of sludge based on delayed reactivity quicklime.

Lime has different functionalities in waste water treatment such as:

- **sludge conditioning** (coagulation, flocculation by ion exchange) to enhance dewatering;
- **hygienisation** (pathogen destruction by pH and/or temperature increase);
- **odour mitigation** by precipitating odorous gaseous compounds (mainly S based, such as H₂S and mercaptans) into their ionic, non-volatile form.

After having developed and optimised the CODECAL[®] process for different waste water treatment applications, such as sludge dewatering in filter plate presses and in centrifuge, in manure treatment and in solid industrial waste treatment, Carmeuse France has launched publically the innovating and patented CODECAL[®] process in France at the occasion of the Pollutec yearly International Environmental Fair which was held in Paris on 27-30 November 2007.



Many interested visitors to our CODECAL[®] stand

Sludge recycling is presently a major issue. Many interested persons from a very wide range of origins (industry, water treatment plants, water boards, engineering, agricultural world, universities, research centres, etc.) visited the Carmeuse stand to learn more about this new lime technology.

Before a wide and interested audience, at a side conference, Jean-Paul Van Meyel (Carmeuse France) and Willem Berbers (Carmeuse Corporate) explained largely on this innovating process illustrated through different successful case studies.

In comparison to standard sludge treatment, the main interests for the CODECAL[®] user are:

- **Improved sludge quality**
- **Decreased operating cost (less reagents consumption)**
- **Less investments**
- **Easier process, less supervision, less maintenance**



W. Berbers explaining the functionalities of lime



Most interested audience in almost full conference room



J.-P. Van Meyel explaining the advantages of CODECAL[®]

It is essential for the lime industry to find creative solutions for producing limed sludge quality which enhances public acceptance to agricultural recycling. Main acceptance factors are:

- health protection, safe use, guaranteed exemption of pathogens,
- exemption of neighbouring hindrance (bad smell and vector attraction).

The CODECAL[®] process enables to achieve these requirements.

For more information, Web site www.codecal.com

The Carmeuse Group is a leading global producer of lime, with more than 140 years of experience in the extraction and processing of high calcium limestone and dolomitic stone into lime and lime-related products for many different industrial customers.

Lime is used in multiple aspects of our everyday life (steel, construction, agro-food, paper, chemicals, plastics, carpets, paints, pollution control, water treatment ...).

Carmeuse is present in about 70 locations across Western Europe (in Italy, Belgium, France and the Netherlands), Central and Eastern Europe (Slovakia, the Czech Republic, Hungary, Romania and Turkey) and North America (the United States and Canada) and Africa (Ghana).

Total consolidated group net turnover amounted to 940 million Euros in 2006.

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