

## RPL Recycling Park Lochau GmbH Asendorf

### Experience gained in the use of *BioAktiv* compost to reduce odor and improve rotting

#### 1st meeting

**Place:** Lochau

**Date:** 3/27/02

**Present:** Herr Mänicke  
Herr Wolff  
Frau Wolf  
Herr Krumbholz

- Possible applications of *BioAktiv* were discussed
- Products and effects were introduced

#### 2<sup>nd</sup> meeting

**Place:** Asendorf

**Date:** 4/22/02

**Present:** Herr Saal  
Herr Mänicke  
Herr Krumbholz

- Preparations for the use of *BioAktiv* compost were discussed
- A test clamp was built for 200 m<sup>3</sup> of textured material and sewage sludge
- 3 kg of *BioAktiv* compost in 500 l of water was sprayed on the clamp, then put through a cultivator

### 3rd meeting

Date: 4/24/02

Present:

Herr Saal  
Herr Wolff  
Frau Wolf  
Herr Krumbholz  
3 women as neutral "odor testers"

#### Application of *BioAktiv* compost

- For a clamp holding 200 m<sup>3</sup>, 6 kg of compost, 1,000 l of water were sprayed
- As a residue of approx. 200 l of water and a deposit of *BioAktiv* was left in the tank, 4 kg of the dry substance was spread uniformly by hand over the clamp
- Then the contents of the clamp was put through a cultivator
- There was a very strong odor - acrid, pungent, stinking, putrefaction
- immediate measurement of ammonia gave high readings (approx. 100 ppm)
- Control clamps were in the main storage area

### 4th meeting

Date: 5/24/02

Present:

Herr Saal  
Herr Mänicke  
Frau Wolf  
Herr Krumbholz  
3 women as neutral "odor testers"

#### Effects of *BioAktiv* compost

Rotting was improved

The 3 women tried to detect odors, all those present reported clear differences between the clamp treated with *BioAktiv* and the untreated clamp which served as a control.

<b><i>BioAktiv</i> clamp</b>	<b>Untreated clamp</b>
Odor: normal rotting Better rotting – white mycelium	Odor: acrid, pungent, stinking, putrefaction  Rotting had not proceeded as far as in the treated clamp
<b>Ammonia readings after the cultivator</b>	
approx. 35 ppm	approx. 100 ppm









