



Condition
Stabilize
Immobilize



Zöchling Abfallverwertung GmbH - Waste treatment

Zöchling Abfallverwertung GmbH operates a plant for the conditioning, stabilization and immobilization of dangerous and non-dangerous wastes at the landfill site in Mistelbach. Dusts, ashes and sludge especially are thus brought into a stable condition in which harmful substances are bound and the treated waste can be deposited in our own onsite landfill.

www.zoechling.at





Condition Stabilize Immobilize



Complying with current legal regulations, the solidification of hazardous waste is a suitable treatment, based on a substantial reduction of the potential to cause environmental damage by immobilizing the harmful substances through chemical and/or physical reactions.

The mobility and the emission of various harmful substances is reduced through this treatment.

The immobilization can be divided into two different processes/reactions:

- Physical immobilization:

Reduction of permeability, porosity as well as mobility and reactivity of harmful substances

- Chemical immobilization:

Formation of a stable and dense matrix (calcium-silicate-hydrate matrix) by reaction between the latent hydraulic cementing agent and the contaminants.

This treatment is especially suitable for waste containing heavy metals from various industrial processes and cannot be deposited in landfills without treatment:

- Filter dusts and ashes from waste incineration plants and from the steel industry
- Sewage sludge and sludge from wastewater treatment facilities, electroplating plants or chemical-physical plants
- Rock dusts, grinding sludge

Solid, pasty and liquid waste of inorganic mineral compositions are suitable to be treated at the immobilization plant of Zöchling Abfallverwertung GmbH.

The delivery of the wastes to be treated on the landfill site in Mistelbach can be in bulk, in big bags or with silo trucks.

Every waste is thoroughly analyzed before treatment. On the basis of the results an individual formula is developed for every waste, with which the conditioning, stabilization or immobilization is processed.

After treatment the treated waste is deposited directly on the site of the processing plant in our own landfill for residual materials.

APPROVED CAPACITY:

Total capacity per year: 90.000 to of input



Referenzen:

ASA | DAKA | SAUBERMACHER | UWEG | WSA | KRV



Zöchling Abfallverwertung GmbH

Headquaters: Wienerstraße 61, 3170 Hainfeld
T: +43 2764 7911, M: transporte@zoechling.at

Office Graz: Josef Krainer Straße 46, 8074 Raaba bei Graz
T: +43 664 60791355, M: taucher@zoechling.at

Person to contact:

Erich Hofer +43 664 60791353; hofer@zoechling.at

Petra Taucher +43 664 210 52 35; taucher@zoechling.at