



Around the world, a growing amount of waste is being produced. Physical chemical treatment, re-use and recycling (cradle to cradle) are new societal fundamental pillars to overcome non-stop growing waste pills, controlling and reducing unwanted risks and the protection of the natural and societal environments. Sustainable progression is a key development. A&G is located in the Netherlands and is a specialist in processing, treating and re-using many types of inorganic non-hazardous and hazardous waste. The main focus of our A&G Waste department is stabilisation of hazardous waste and processing of inorganic non-hazardous waste. Both waste activities take place on two landfill sites, with state of the art processing and treatment facilities. Location A&G Zweekhorst and Maasvlakte are specialised in processing contaminated soil and sludge, industrial residues, blasting grit, building & demolition waste and asbestos etc. In addition, location Maasvlakte is specialised in stabilisation of hazardous waste such as APC residues, fly-ash, filter-cake, industrial powders etc.

to reduce the potential leaching and environmental impact. In addition, treated waste is transformed in a stable and controllable monolithic product. Stabilised waste is landfilled in a separate zone on our landfill site where it hardens into a stable, monolithic material. The monolith made of stabilised hazardous waste can be characterised as a rock based material with predicted and controlled emissions and site conditions. This stabilisation methodology prevents potential emissions and controls the potential risks of hazardous waste to the natural environment.

Research & Development

A&G's research & development department is continuously developing new and innovative solutions for treating, processing and re-using of waste materials. The ongoing development and set-up of the hazardous waste stabilisation plant, in 1998, is a perfect example how A&G puts research into practice. In addition, R&D is needed and used to effectively optimise the utilisation of the scarce amount of available landfill capacity, the layout of landfill sites and the re-use/ treatment of waste supplied by our clients. A special stabilisation plant for non-hazardous industrial waste, processes waste into landfill construction materials, which are used for landscaping and redesigning the landfill site. Another example is our broad participation in many R&D working groups, independent research institutes, the Dutch Foundation for Sustainable Landfilling and the (European) Sustainable Landfill Foundation. Knowledge, data and results from these participations is put into practice to create sustainable and effective landfill construction sites.

Landfill sites

The A&G landfill sites have all the needed facilities and requirements for a healthy and safe working environment and for safe storage of non-hazardous and hazardous waste. Both sites are divided into different zones for storage, processing and treating different types of waste in accordance with today's strict EU and national legislation and regulations. In this way 'waste' contact with the natural and societal environment is prevented and risks are controlled. Extensive and strict actions such as frequent monitoring are implemented to monitor the waste and site conditions. The aftercare of our sites are based on a sustainable landfill approach and continuous monitoring and maintenance when sites are closed. This sustainable landfill approach enables A&G to guarantee that the sites can be transformed and sustainably fitted, in the natural or societal landscape, without doing harm to surrounding actors.

Quality and regulations

National and European legislation and regulations for processing, treatment and or stabilisation of waste are continually revised. A&G keeps abreast of developments by actively participating in working groups, i.e. Dutch Ministry of the Environment, trade organisations, independent research institutes and R&D programs etc. We incorporate new policy pro-actively in our operating processes and in our work we focus on healthy and safe working conditions and prevention and controlling of possible risks to the natural environment. European and Dutch legislation is applied as a minimum standard in this respect.

Hazardous waste stabilisation

A&G Maasvlakte operates two stabilisation plants for processing hazardous waste that, due to its potential physical chemical characteristics, cannot be landfilled without treatment. Hazardous waste is stabilised

Processed & accepted waste materials for disposal

Landfill sites

- Non-treatable polluted soils
- Asbestos or asbestos containing waste
- Sand and shot blasting residues
- Various types of industrial sludge
- Contaminated building and demolition waste
- Contaminated industrial waste
- Flue-gas purification residues
- Non-treatable sediments/ sludge
- Industrial filter cakes
- Low-level radioactive waste
- Other non-hazardous waste

Treated & accepted hazardous waste materials for stabilisation

Monolithic site

- MSWI APC residues (A-cokes, flu-gas residue)
- Incineration ashes (MSWI fly-ash etc)
- Wet industrial filter cakes (metal and salt containing filter cake etc)
- Industrial powders/ dust (metal and electrostatic dust etc)
- Other hazardous waste



A&G Maasvlakte

A&G Maasvlakte was the first Dutch landfill site, developing and implementing its own hazardous waste stabilisation technique. A&G has become a specialist in treating all kinds of inorganic non-hazardous and hazardous waste materials.

The Maasvlakte site accommodates all required facilities for a healthy and safe working environment, safe storage and treatment of non-hazardous and hazardous waste.

A&G Zweekhorst

A&G Zweekhorst possesses a large area in de north-east of the Netherlands and is fully equipped for landfilling, storage and processing inert non-hazardous waste materials. The Zweekhorst site accommodates all required facilities and environmental measures for safe storage of many types of non-hazardous waste and is specialised in physical chemical processing/ cleaning contaminated soils, sludge, building and demolition waste.

Contact

Our commercial department is well-trained in answering all your questions about waste acceptance criteria, prices, transport and waste processing and treatment abilities etc. If standard solutions cannot be applied, A&G shows to have a reputation of solving your issues.

A&G in total

Decontamination, remediation, waste and building materials are the four operational pillars with which A&G provides customers in the Netherlands and other countries total solutions for all their contamination, pollution and waste issues. Our years of experience and in-depth knowledge of environmental legislation provide customers the certainty and reliability they need for projects of all sizes.

Our expertise encompasses tackling on-site pollution, remediation of contaminated soil and cleaning up mineral residues. We are active in soil clean-up operations, remediation, immobilisation, waste management and the production of secondary building materials in different product groups and with an effective regional coverage.

All the work we carry out is based on our commitment to sustainability and protecting the environment. The safe processing, storage or immobilisation of waste is the only way we can guarantee a healthy environment for future generations. In our Research and Development department, we work continually on developing the most effective methods for finding tailored solutions to the widest possible spectrum of environmental issues.



- Maasvlakte
- Moerdijk
- Veendam
- Waalwijk
- Zevenaar

A&G

Taxandriaweg 8b
5141 PA Waalwijk

PO Box 660
5140 AR Waalwijk

www.AenGbedrijven.nl