

HYDREX™

Industrial Wastewater

Complete and Effective Solutions

From very small to very large treatment volumes

Decontamination of industrial wastewater is a challenge faced every day by managers of treatment plants. Balancing regulatory obligations of discharge standards and economic constraints with operation requires extensive experience and specialized knowledge. Veolia Water Technologies helps industries in all sectors from challenging diagnoses through the selection and implementation of appropriate Hydrex solutions.

The Hydrex product line covers chemical additives specifically adapted to meet the requirements of the different treatment plant processes.

HYDREX™ 6000 SERIES

- Inorganic, organic coagulants and inorganic/organic mixtures
- Sustainable coagulant solutions (e.g. tannins)
- Anionic and cationic powder flocculants
- Anionic and cationic emulsion flocculants
- Flocculants in the form of microbeads and dispersions
- Heavy metal removal agents
- Antifoams
- Various odor control products

HYDREX™ 9000 SERIES

- Anti-H₂S specific products

Global Solutions

With a local presence comprised of dedicated industrial wastewater professionals, we offer:

- Industrial pilots: sizing of installations and improvement analysis through audits and laboratory tests
- Technical assistance: monitoring developed according to our experience and in collaboration with the client, constant improvement programs, operating recommendations for increased reliability and discharge standards compliance
- Application of Hydrex products by people with in-depth knowledge of chemical products and their usage



A Complete Offer For Managing Industrial Wastewater

- > Understanding the water and sludge systems through audits and on-site studies
- > Providing the Hydrex chemical additives adapted to the treatment of industrial pollutants
- > Improving/restoring the performance of treatment plants
- > Improving a plant's reliability by providing operational advice and monitoring
- > Implementing functional improvements to reduce operating costs



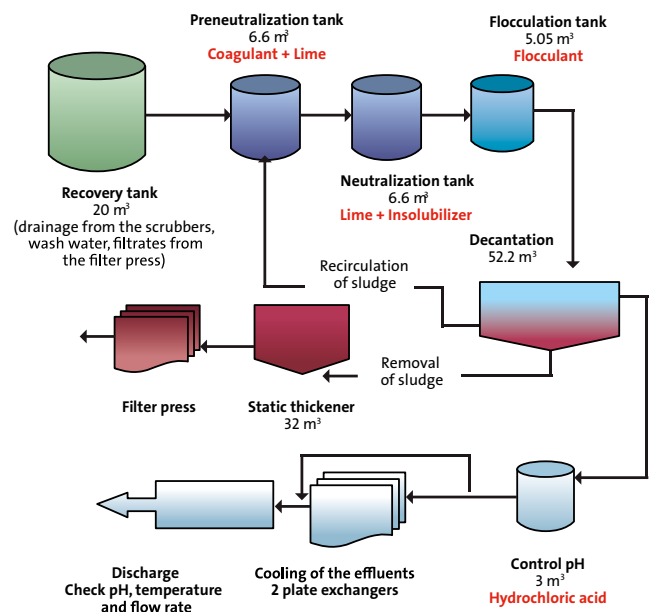
Access to all the expertise of the Veolia group

In addition to Veolia Water Technologies' expertise, clients benefit from the Veolia Group's research and development activities such as those conducted at the Veolia Environnement Research Institute. Clients also benefit from the many products and services available from all the Veolia business groups, services and technologies of cooling towers and circuits, training, preventive treatment, extensive research & development programs.

An example of industrial partnership

Treatment of fume scrubbing effluents from a household refuse incinerator.

- Several problems were initially noted including poor coagulation and flocculation causing carry over of suspended solids (TSS) with the discharge exceeding standards on heavy metals (cadmium, lead, mercury).
- Replacing the FeCl_3 coagulant by a Hydrex organic coagulant resulted in a significant improvement better adapted to the effluent, an improvement in the control of TSS and a reduction in sludge volumes – all at a lower cost than the previous solution.
- Setting up a Hydrex metal scavenger specifically for the reduction of mercury and cadmium resulted in a discharge analysis well within the prescribed limits.
- Monthly technical monitoring ensures that any changes in operational conditions are detected early.



Hydrex is available worldwide

Contact your local Veolia representative for more information.