Alpha Cleantec AG

Newsletter March 2022

Dear Madam or Sir

We hope this email finds you well, healthy. Today we send you our next Newsletter containing the March updates. This month we participated in **Aqua Nederland** exhibition dealing with wastewater, groundwater and sludge. We enjoyed the presentations, the relevant discussions and meetings with potential customers.

From our R&D department we are happy to provide you with a new update regarding customer projects.

Successful feasibility study completed with a large Israeli drinking water company.

The Problem: The feasibility study was with large Israeli company in the field of drinking water. **Drinking water** is very sensitive to presence of wide range of contaminants in a ppb level but at the same time, the price of the treatment should be very low. **Chemical treatment of drinking water** is a challenge. The target of the project was examination of the SOA-AFA technology efficiency for **drinking water** decontamination and meeting of Israeli regulation.

The Objective It is therefore the intention of the customer to rapidly, simply, safe, green and cost-effectively decontaminate the **drinking water** from **chlorinated hydrocarbon leftovers** to meet Israeli threshold value regulation for the current contaminant.

The Solution: We have implemented our SOA-AFA solution as a treatment agent based on on-site batch approach. As a result, the process was efficient and reached the required levels of decontamination based on Israeli regulation after single treatment with a short contact time.

Contamination	Contamination Before		Contamination After		Required level		Conversion (%)
COD	128	(ppm|mg/L)	19	(ppm|mg/L)	100	(ppm|mg/L)	85
Trihalomethanes	133	(ppb|µg/L)	20	(ppb|µg/L)	30	(ppb|µg/L)	

Maybe you face similar challenges in your business. Then please feel free to contact us.

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ALPHA CLEANTEC AG
Phone: +49 (0) 6221 64924 81
info@alphacleantec.com
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About Alpha Cleantec AG

We believe that our eco-system requires looking after so we have a world worth living in to pass to our next generations. Decontamination of soil and water from hazardous contaminants plays a major role in this regard, in our view. This is why we established Alpha Cleantec AG as an environmental technology company in 2016 with a vision to provide safe, green, rapid, efficient and cost effective technologies to resolve environmental harms and hazards caused by inadequate human and industrial activities.

Alpha Cleatec AG provides two technologies, AFA and SOA, achieving decontamination ratios of up to 97% for a wide range of contaminants in just hours (such as Hydrocarbons, BTEX, Petroleum leftovers, Aromatics, PAHS, Chlorinated Solvents, PCBs, Dioxins as well as Pesticides and Herbicides) to be applied for soil, wastewater and railway ballast treatment.

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Table of contaminants treatable by our technologies

	IN-SITU		ON SITE	
CONTAMINANTS	**SOA**	**AFA**	**SOA**	**AFA**
BTEX				
Benzene	◆	◆	◆	◆
Toluene	◆	◆	◆	◆
Ethylbenzene	◆	◆	◆	◆
Xylene	◆	◆	◆	◆
PETROLEUM HYDROCARBONS				
Gasoline Range Organics (GRO)	◆	◆	◆	◆
Diesel Range Organics (DRO)	◆	◆	◆	◆
Oil Range Organics (ORO)	◆	◆	◆	◆
AROMATICS				
Chlorobenzene	◆	◆	◆	◆
Bromobenzene	◆	◆	◆	◆
Dichlorobenzene	◆	◆	◆	◆
Nitrobenzene	◆		◆	
Phenol	◆		◆	
Styrene	◆	◆	◆	◆
Naphthalene	◆	◆	◆	◆
Trichlorobenzene	◆		◆	
Trimethylbenzene	◆	◆	◆	◆
PAHS				
Phenathrene	◆	◆	◆	◆
Naphthalene	◆		◆	
Acenaphthylene	◆		◆	
CHLORINATED SOLVENTS				
Tetrachloroethylene	◆		◆	
Trichloroethene	◆	◆	◆	◆
Dichloroethene	◆	◆	◆	◆
Vinyl chloride	◆		◆	
Tetrachloroethane	◆	◆	◆	◆
Trichloroethane	◆		◆	
Dichloroethane	◆	◆	◆	◆
Dibromochloroethane	◆	◆	◆	◆
Bromodichloromethane	◆		◆	
Carbon tetrachloride	◆	◆	◆	◆
Chloroethane	◆	◆	◆	◆
Chloroform	◆	◆	◆	◆
Chloromethane	◆	◆	◆	◆
Chlorotoluene	◆	◆	◆	◆
Methylene chloride	◆		◆	
PCBS	◆	◆	◆	◆
DIOXINS	◆	◆	◆	◆
PESTICIDES AND HERBICIDES				
Glyphosate	◆		◆	
Goal	◆		◆	

We plan to inform you in future whenever we accomplished projects, pilots or case studies. If you do not wish to get our company news, please let us know.

Kind regards

Mit freundlichen Grüßen

Andreas Danner
Alpha Cleantec AG

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