

STRIPPING

FOR THE REMOVAL OF VOLATILE ORGANIC CONTAMINANTS FROM GROUNDWATER

TOWERS



NCREASING PROBLEM

The contamination of groundwater by Volatile Organic Compounds (VOCs) is an increasing Groundwater cannot clean itself as quickly as rivers and lakes which, by and large, are able to normal within quite a short time frame once the pollution has stopped.

VOCs, once in the ground, can be there for a very long time. Even when they reach an aquifer, the speed of flow is often measured in just a few metres per year.

Contamination may be found by chance in springs and wells or when dewatering construction sites. Or it may be surveyed and quantified when pollution, recent or long past, is known to have occurred.

The necessity for remediation is most immediate where a spring or well is needed for use, or where excavation water is too polluted to be disposed of without treatment.

Stripping by packed tower aeration offers an effective and economical approach to many VOC contamination scenarios and Forbes has considerable experience in the design and fabrication of stripping installations.

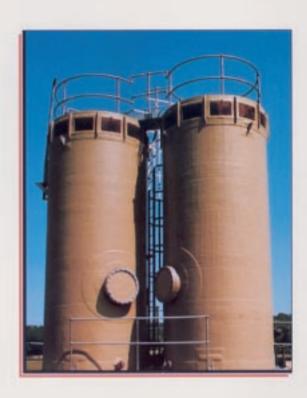






FAST RESPONSE

Contamination problems are inherently urgent and Forbes can focus resources quickly by 'fast track' management to meet emergency situations when required. If necessary a pilot plant can be supplied to help determine a problem and its response to stripping.



ENVIRONMENTAL CONSIDERATIONS

An occasionally voiced concern about air stripping is that the process removes a problem from one medium and transfers it to another. This is answered by the point that the levels of VOCs to be stripped are already minuscule in water and they are even further diluted when vented to atmosphere where most will quickly degrade in sunlight. In situations where this is thought to be unacceptable or where levels are higher, the vent can be ducted to a treatment process.





FORBES

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