

NEWS RELEASE



ERG completes solvent abatement system for Seagate Technologies in Northern Ireland

ERG (Air Pollution Control) Ltd has successfully designed, supplied and commissioned a solvent abatement system for Seagate Technologies. Seagate manufactures hard drives at their facility in Derry, Northern Ireland, and required a new scrubber package as part of their £35M factory expansion in 2015.

ERG supplied two packed tower scrubbers to give Seagate security of treatment through 100% equipment redundancy. The process air extraction system provided by Seagate's M&E contractor, Total Engineering and Design, links the new wafer manufacturing facility to the scrubbers where solvent fumes from the production process are removed from the air. The treated air is discharged to atmosphere, enabling Seagate to operate under their emission limit. The solvent used is NMP which has a discharge limit from December 2015 of 2 mg/m³.

The scrubber vessels, recirculation pumps, pipework and valves, and internal random packing are all manufactured from stainless steel. The scrubbers were fully fitted out, and the pipework partially trial assembled prior to delivery to site. High specification instruments and a purpose-made control panel are also included in ERG's scope of supply.

Seagate's delivery and installation timescale was extremely demanding and ERG, Total and Seagate's teams co-ordinated closely to ensure the equipment was delivered to site as required. Seagate's Gerard Owens remarked, *"we are impressed by the quality of the package provided by ERG, their responsiveness to our requests, and the service we have received during installation and commissioning."*

The solvent is scrubbed from the air stream in the packed tower and the emission concentration is controlled by carefully regulating the addition of clean process water to the scrubber. The solvent solution discharged from the scrubber is directed to the site effluent treatment facility. To avoid the build-up of biological growth in the scrubber, it is also equipped with biocide dosing.

The abatement system was brought on-line in October 2015 and is exceeding the required scrubbing performance.

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Attachment:

Detail of the completed solvent abatement system in situ



For further information and enquiries, please contact:
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About ERG (Air Pollution Control) Ltd.

ERG (Air Pollution Control) is a leading supplier of air pollution control systems and services with a 35+ year track record, providing turnkey tailor made solutions that are optimised to give the best technical solution for the lowest capital and running cost.

ERG is based in Horsham, West Sussex, near Gatwick airport with satellite offices around the UK, a branch office in the Middle East, and a global network of V-tex[®] technology licensees.

ERG specialises in odour control and gas conditioning systems; V-tex[®] scrubbing, stripping and condensing technology; soluble contamination capture and recovery; particulate removal systems; hazardous waste flue gas cleaning systems, thermal oxidation systems, and VOC contamination abatement.

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