

# CrumRubber

## Case Study



**“Anua Clean Air International offer proven, patented clean air bio-technologies, which provide best-in-class process performance with the lowest utility and life cycle costs”**

<b>Product</b>	3 No. Dual Pass CrumRubber LFG	
<b>Industry</b>	Industrial Power Generation	
<b>Site Location</b>	Kildare, Ireland	
<b>Application</b>	Landfill Gas Cleaning to protect Power Generation Plant	
<b>Year System Installed</b>	2015	
<b>Air Volume Being Treated</b>	2,250 m <sup>3</sup> /hr	
<b>Plant Footprint</b>	10m x 29m	
<b>Typical Expected Media Life</b>	> 5 years	
<b>Compound Being Treated</b>	<b>Inlet Concentration Range</b>	<b>Removal Efficiency</b>
<b>H<sub>2</sub>S</b>	200 - 2000 ppm	70% - 90% +
<b>Siloxane</b>	5 - 10 ppm	20% - 30%



**Anua Clean Air International Limited.**  
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Product	3 Stage CrumRubber LFG	
Industry	Industrial Power Generation	
Site Location	Kildare, Ireland	
Application	Landfill Gas Cleaning to protect Power Generation Plant	
Year System Installed	2014	
Air Volume Being Treated	36 - 45 m <sup>3</sup> /hr	
Plant Footprint	2m x 4m	
Typical Expected Media Life	> 5 years	
Compound Being Treated	Inlet Concentration Range	Removal Efficiency
H <sub>2</sub> S	1500 - 4000 ppm	70% - 90% +
Siloxane	5 - 10 ppm	20% - 30%



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<b>Product</b>	CrumRubber	
<b>Industry</b>	Industrial Wastewater	
<b>Site Location</b>	Cork, Ireland	
<b>Application</b>	Treatment of High Levels of H <sub>2</sub> S from Anaerobic Digester Transfer Point	
<b>Year System Installed</b>	2012	
<b>Air Volume Being Treated</b>	400 m <sup>3</sup> /hr	
<b>Plant Dimensions [l x b x h]</b>	2m x 1m x 2.5m	
<b>Volume of Media</b>	3.6 m <sup>3</sup>	
<b>Typical Expected Media Life</b>	> 15 years	
<b>Compound Being Treated</b>	<b>Inlet Concentration Range</b>	<b>Removal Efficiency</b>
<b>Odour</b>	80,000 – 800,000 OU <sub>E</sub>	99% +
<b>H<sub>2</sub>S</b>	40 - 400ppm	98% +



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<b>Product</b>	CrumRubber	
<b>Industry</b>	Municipal Wastewater	
<b>Site Location</b>	Galway, Ireland	
<b>Application</b>	Pre-filter to Mónashell for Sludge Thickening Tank	
<b>Year System Installed</b>	2002	
<b>Air Volume Being Treated</b>	200 m <sup>3</sup> /hr	
<b>Plant Dimensions [l x b x h]</b>	1.2m Dia x 3m	
<b>Volume of Media</b>	2 m <sup>3</sup>	
<b>Typical Media Life</b>	> 15 years	
<b>Compound Being Treated</b>	<b>Inlet Concentration Range</b>	<b>Removal Efficiency</b>
H <sub>2</sub> S	0 - 200ppm	70% +



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<b>Product</b>	CrumRubber/Monashell Triple Pass Hybrid OCU	
<b>Industry</b>	Municipal Wastewater	
<b>Site Location</b>	Dublin, Ireland	
<b>Application</b>	Treatment of High Levels of H <sub>2</sub> S from the Sludge Centrifuges.	
<b>Year System Installed</b>	2014	
<b>Air Volume Being Treated</b>	10,000 m <sup>3</sup> /hr	
<b>Plant Dimensions [l x b x h]</b>	CrumRubber [Stage 1] [7.5 m x 5 m x 3.8 m] Mónashell [Stages 2 & 3] 14.8m x 5 m x 3.8 m	
<b>Volume of Media</b>	321 m <sup>3</sup>	
<b>Typical Expected Media Life</b>	> 7 years [Stage 1] 2 Years Stage [2 and 3]	
<b>Compound Being Treated</b>	<b>Inlet Concentration Range</b>	<b>Removal Efficiency</b>
<b>Odour</b>	1,044,000 OU <sub>E</sub>	99% +
<b>H<sub>2</sub>S</b>	50 - 505ppm (950ppm Peak)	98% +

