

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”

Product	3 No. Dual Pass CrumRubber LFG	
Industry	Industrial Power Generation	
Site Location	Kildare, Ireland	
Application	Landfill Gas Cleaning to protect Power Generation Plant	
Year System Installed	2015	
Air Volume Being Treated	2,250 m ³ /hr	
Plant Footprint	10m x 29m	
Typical Expected Media Life	> 5 years	
Compound Being Treated	Inlet Concentration Range	Removal Efficiency
H₂S	200 - 2000 ppm	70% - 90% +
Siloxane	5 - 10 ppm	20% - 30%



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”

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 ³ /hr	
Plant Footprint	2m x 4m	
Typical Expected Media Life	> 5 years	
Compound Being Treated	Inlet Concentration Range	Removal Efficiency
H₂S	1500 - 4000 ppm	70% - 90% +
Siloxane	5 - 10 ppm	20% - 30%



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”

Product	CrumRubber	
Industry	Industrial Wastewater	
Site Location	Cork, Ireland	
Application	Treatment of High Levels of H ₂ S from Anaerobic Digester Transfer Point	
Year System Installed	2012	
Air Volume Being Treated	400 m ³ /hr	
Plant Dimensions [l x b x h]	2m x 1m x 2.5m	
Volume of Media	3.6 m ³	
Typical Expected Media Life	> 15 years	
Compound Being Treated	Inlet Concentration Range	Removal Efficiency
Odour	80,000 – 800,000 OU _E	99% +
H₂S	40 - 400ppm	98% +



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”

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



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”

Product	CrumRubber/Monashell Triple Pass Hybrid OCU	
Industry	Municipal Wastewater	
Site Location	Dublin, Ireland	
Application	Treatment of High Levels of H ₂ S from the Sludge Centrifuges.	
Year System Installed	2014	
Air Volume Being Treated	10,000 m ³ /hr	
Plant Dimensions [l x b x h]	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	
Volume of Media	321 m ³	
Typical Expected Media Life	> 7 years [Stage 1] 2 Years Stage [2 and 3]	
Compound Being Treated	Inlet Concentration Range	Removal Efficiency
Odour	1,044,000 OUE	99% +
H₂S	50 - 505ppm (950ppm Peak)	98% +

