
Green Dome Odour Filter

Installed on Air Release Valve

June 2011



On sewer at Long Mile Road, Rotorua; access road to the Redwood Forest.



Before: Roadside air release valve vent. People often reported to the Visitors' Centre that there must be a dead animal beside the road. "Some days the smell was terrible", according to Dennis who walks the road every day with his dog.



After: Green Dome Odour Filter: Hydrogen sulphide 'rotten egg' odour stopped as soon as it was installed. Made from robust corrosion-resistant fibreglass. Connecting duct and carbon bed are underground.

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Installation:



Left: Same hole through concrete manhole used for duct to Green Dome. Right: Duct sloped towards Green Dome to drain condensation away through holes in base module. Heights set to suit local ground levels.



Left: Flanged fibreglass low profile fitting to match air release valve. Flexible joint allows for thermal expansion and contraction. Right: Green Dome base in concrete pad to secure in position.



Left: Carbon loaded into base module, with room for more carbon if needed. Top of base module above ground, so carbon cannot be flooded by ground water. Right: Top module bolted back in place.

