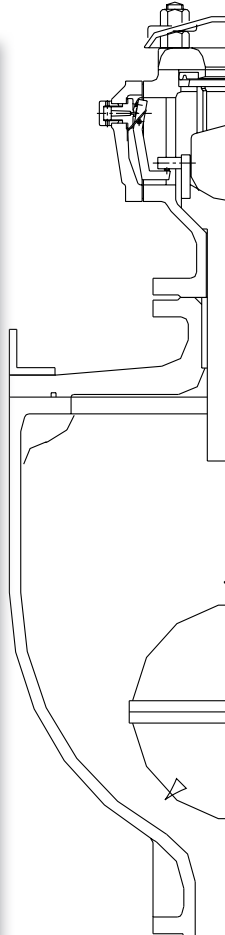


## SEWAGE AIR RELEASE VALVE INSTALLED AT BERRY PARK

Hunter Water Corporation Berry Park 1 Waste Water Pumping Station (WWPS) consists of four (4) variable speed pumps operating at a duty of 550L/s @ 25m head (approx.). The station pumps to the Morpeth Wastewater Treatment Works (WWTW) through (ultimately) parallel 2100m long DN600 and DN750 rising mains - currently only the DN600 rising main has been commissioned. The AVK sewage air release valve was installed (17 Aug 2010) on the DN600 rising main approximately 300m downstream of the station and the sole high point in the main. Downstream of the air release valve the rising main falls to a scour point before ultimately rising to the discharge chamber at the treatment works.



Since installation of the AVK Series 851/50 sewage air release valve, pump run times at the station have experienced reductions greater than 75% on each pump. Attached is a graph showing run time versus date which clearly demonstrates the improvement.

Significant energy savings have been an immediate result of this installation and will benefit in Energy Savings Certificates (ESCs) revenue. Overall a very good project with promising payback was achieved.

The Data Sheet on the AVK Sewage Air Release Valve installed can be located by the following link <http://www.avkvalves.com.au/resources/85150.pdf>



# SEWAGE AIR RELEASE VALVE INSTALLED AT BERRY PARK

