

stormwater monitoring

Singapore reservoir integration scheme

Singapore

project summary

The Singapore Public Utilities Board is targeting effluent and stormwater as a possible source of potable water supply for Singapore residents. Greenspan was engaged in 2005 to design, supply, install, commission and operate 17 stormwater monitoring stations to accurately determine the volume of water in the overflow network. Greenspan developed theoretical ratings for all sites and calibrated these sites during wet weather events to provide an accurate summation of flow and discharge data.



project features

- 17 monitoring stations with acoustic level and velocity sensors
- Stilling well level monitoring at lakes and reservoirs
- GPRS telemetry of all site to central control station through secure VPN
- Installation of low flow control structures
- Development of theoretical ratings and calibration of all sites
- Development of asset management database



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