Smithfield Village

Residential Community, Cairns

100th Australian Flovac Project.

The Smithfield Village residential development is located 20 minutes north of Cairn's and will ultimately have 1,300 houses.

Satterley, the developer, recently won the UDIA’s Presidents award for services to the industry and had previously installed a Flovac system at Ibis Gardens near Busselton in Perth.

For Cairn’s Water this was their second vacuum system, having successfully installed a Flovac system in 2003. Since that time there has only been 6 callouts to the over 200 vacuum interface valves in the system. Residents have commented on the eradication of odours and mosquitoes since the installation of the system at Machans Beach which replaced an ageing septic tank system.

Adam Gowlett, Satterley Property Group’s Queensland State Manager said:

“ The efforts, risks, costs and quantum of infrastructure associated with continuing to deliver gravity sewer in a flat, coastal and high water table area meant we had to keep pressing for a better long term solution. The community will get a state of the art, aesthetically pleasing building within a parkland setting. Cairns Regional Council, a state of the art single piece of infrastructure delivery a high quality effluent product rather than 4 or 5 more deep sewerage pump stations. The Flovac system will produce far simpler construction for the life of the project and result in the easier delivery of land to the market –a win for all concerned”.

www.flovac.com
Vacuum Pump Stations, compared to conventional sewer pump stations, provide a low maintenance facility with a significant reduction of the usual risks that are typically associated with working around sewage and noxious gases.

This facility has demonstrated:

- Construction techniques to improve speed and reduce cost.
- An overall reduction of costs to the developer.
- Innovations to improve WHS of staff involved in the operation and maintenance of the plant.
- Reduced operational costs to council trunk infrastructure.
- Improved environmental outcomes to the community.
- Enhanced amenity for residents compared to conventional sewerage infrastructure.
- Innovations and sustainable practices to reduce costs of regular and major operations and maintenance.