

Nicholas Hall

From: Taylor Richardson <trichardson@emmconsulting.com.au>
Sent: Wednesday, 29 March 2017 5:04 PM
To: Andrew Beattie
Cc: Phil Towler
Subject: Smeaton Grange

Hi Andrew

Thanks for taking my call this afternoon.

We recognise that stormwater, for facilities such as that proposed at Smeaton Grange, is an important issue for EISs to cover.

In response water quality matters raised regarding the Penrith facility, we drafted the following management measure. We think it will also provide a good foundation for the Smeaton Grange site.

A water monitoring program will be implemented to confirm that runoff discharged from the facility does not have the potential to degrade water quality in Peachtree Creek which receives stormwater from the site and the surrounding industrial area. Water discharged from each of the GPTs will be collected and analysed. The GPTs will be fitted with a port to allow efficient sampling.

Samples will be analysed for:

- general parameters;
- pH; electrical conductivity;
- total suspended solids;
- oil & grease;
- total nitrogen;
- total phosphorus;
- filtered As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se and Zn;
- total petroleum hydrocarbons; and
- polycyclic aromatic hydrocarbons.

Samples will be collected at least weekly when there is enough rain to result in water being discharged. This monitoring will be continued for 12 weeks from the start of site operations. If it can be demonstrated at the end of this period that there is negligible risk to Peachtree Creek, the sampling program will be revised to decrease the analytical suite and sampling frequency. If this cannot be demonstrated, sampling will continue at the same frequency, measuring the parameters that remain of potential concern.

We have also taken onboard the Department's requests for other sites for more information around the mechanics of stormwater systems. Smeaton Grange's stormwater system has been specifically designed for the site and the monitoring noted above is designed to ensure that it will operate as intended.

If you have any questions, please feel free to call.

Taylor Richardson | Planner

T 02 9493 9500 | **D** 02 9493 9515 | **M** 0459 848 430 | **F** 02 9493 9599

Ground Floor, Suite 01, 20 Chandos Street, St Leonards NSW 2065

PO Box 21, St Leonards NSW 1590



www.emmconsulting.com.au

[planning](#) | [environment](#) | [acoustics](#) | [ecology](#) | [heritage](#) | [groundwater](#) | [soils, closure, rehab](#) | [gis](#)