

7th September, 2007



Mr Paul Shepherd
City of Botany Bay
PO Box 331
Mascot NSW 1460

Dear Paul

**Re: Botany Groundwater Clean-Up Project
Independent Monitoring Committee Tasks 15 & 17**

I wish to make the following comments regarding Tasks 15 & 17.

Task 15: Monitoring

Regular dioxin testing conducted over the past 12 months indicates that the Orica Groundwater Treatment Plant (GTP) is generally able to comply with the DECC air emission limit of 0.1 ng/m³ I-TEQ at 11% O₂, although a small exceedance was noted in December last year. An intensive monitoring program comprising of 10 dioxin samples was recently completed and preliminary results will become available next week.

Further to a review of these results, and recognising the high cost involved in undertaking dioxin testing, I will shortly recommend to key stakeholders whether I consider quarterly, biannual or annual testing to be appropriate.

Task 17 – Investigation into Dioxin Formation

The National Measurement Institute (NMI) has completed a spreadsheet program that will permit all 136 tetra to octa substituted dioxin and furan congeners to be quantified, rather than just the 'toxic' 17 that we currently observe. This information will help identify the mechanism via which dioxins form in the GTP, and thus assist Orica in minimising dioxin formation in the future.

We are now in the process of entering mass spectral data into the spreadsheet program and hope to report our findings by mid-October.

Do not hesitate to contact me if you have any queries.

Yours faithfully

A handwritten signature in black ink, appearing to read 'C. Clunies-Ross'.

Chris Clunies-Ross PhD(Chem.Eng.)
Member - IMC