

Issue 2  
March  
2008

# GeoDyne Limited

## Welcome

Welcome to the 2<sup>nd</sup> edition of the GeoDyne newsletter. GeoDyne have been offering professional geotechnical and environmental consultancy services since our establishment in September 2001.

Our Directors have a combined experience in the industry in excess of 30 years.

In this issue we are highlighting some unusual and exciting projects we have been working on during the last twelve months. Also included in this issue is an update on staff changes and the progress of the GeoDyne Derby office.

If you would like any further information on the services we offer, please visit our new website [www.geodyne.co.uk](http://www.geodyne.co.uk) or contact either of our offices detailed below:

## Property Shows

*This year for the first time we will be exhibiting at The Derby Property Show at Pride Park Stadium and The East Midlands Property Show at the East Midlands Conference Centre, Nottingham. Pop along and see us at:*

### **Derby Property Show Stand 30**

**Wednesday 14<sup>th</sup> May 2008  
Pride Park Stadium, Derby**

**East Midlands Property Show  
Stand B2  
Tuesday 4<sup>th</sup> November 2008  
East Midlands Conference Centre,  
Nottingham**

**Entrance is free.**

To request your tickets either log onto [www.businessshowsgroup.co.uk](http://www.businessshowsgroup.co.uk) or email [martin.freeman@showbizgroup.co.uk](mailto:martin.freeman@showbizgroup.co.uk) (Please ensure you include the show name e.g (Derby) after your name/address on the registration and they will mail your pass badge, logistics and a complimentary copy of the appropriate Property & Business Investment Brochure in good time for the show date).

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Tel: 0115 983 0006  
Richard Spencer / Jason Hollands



**Derby Office**  
Silverhill Court, Silverhill Farm  
Radbourne  
Derby, DE6 4LY  
Tel: 01332 824115  
Paul Kershaw



## Derby Office Update

Our office at Radbourne, Derby has been trading since February 2006 under the management of our Associate, Paul Kershaw. During the last year the number of projects undertaken by the Derby office has significantly increased.

The client base for the Derby office now includes a variety of house builders, structural engineers and local authorities. Based on the number of recently completed and ongoing projects and the recent addition of Claire Moreira to the Derby team, we anticipate continued expansion of the office over the next 12 months.

Recently completed projects include Phase I and II investigations at proposed residential and commercial sites within the East Midlands, Staffordshire and Yorkshire, at predominantly brownfield locations.



## City Council Update



Window Sampling Rig



Hand Held Auger Borehole

GeoDyne has recently been involved with a number of Nottingham City Council (NCC) projects, which have been aimed at improving and constructing a number of school sites, educational centres and recreational playground areas for children and young adults across Nottingham. Works have varied from window sampling boreholes to hand held auger sampling, site specific Detailed Quantitative Risk Assessments (DQRA) and Remediation Method Statements (RMS) to validation works. Close liaison with the regulatory section of NCC has ensured that our proposals and subsequent works were undertaken to the satisfaction of the relevant authorities, which has enabled construction works to progress and be delivered in accordance with project timescales.

GeoDyne are committed to providing an accessible service for grass roots projects, and are pleased to have been involved with several Local Authority developments and redevelopment sites across the County, from conception to validation over the course of 2007.

## ROTARY DRILLING IN COAL MINING AREAS

Concerns regarding the use of rotary air flush drilling has led to the Coal Authority tightening their requirements on any site investigation which will intersect or disturb any seam of coal. Consequently the Coal Authority are no longer accepting rotary air-flush drilling techniques as a standard investigative method. This is due to potential problems associated with combustion of coal in the ground, and off-site emissions of ground gases and/or leachates.

Marcus O'Connor the HM Inspector of Health & Safety at the HSE stated to the British Drilling Association on 14 May 2007 the following: *'Water flushing should be the primary flushing method for work of this kind [i.e. coal investigations] in the vicinity of coal measures and a risk of creating and/or moving carbon monoxide has been identified'*.

Based on the foregoing, we anticipate that rotary drilling in coal mining areas is likely to be required to be undertaken by water-flush techniques. A license from the Coal Authority should be obtained prior to commencement of drilling operations in coal mining areas.

GeoDyne has vast experience of working on sites affected by past coal mining and work closely with the Coal Authority to ensure the safe and efficient investigation/stabilisation of such sites.



Water Flush Drilling



## *Validation Testing In Residential Garden Areas*

GeoDyne have undertaken validation works within residential garden areas on several development sites in Nottingham, including the Bel-Air Homes site at Pilkington Road, Carlton, which has now been completed. Validation works at this site were undertaken in accordance with the requirements of Gedling Borough Council (GBC) Environmental Health Department, who as part of the Nottingham Pollution Working Group adopt similar validation protocols as Nottingham City Council (NCC).

The required validation works at the Bel-Air Homes site involved post remediation testing at agreed locations within rear garden areas at three horizons (i.e. near surface, 0.5m and 1.0m) for a suite of contaminants agreed with GBC. The purpose of the validation testing was to ensure that the top metre of material in proposed gardens was below agreed Site Acceptance Criteria (SAC).

GeoDyne successfully undertook validation sampling and risk assessment works within individual gardens to ensure that plots were completed on time, at minimal cost to the Client and without the need to unnecessarily excavate/replace soils.

It was necessary to work closely with GBC to ensure approval of our validation methodology employed at the site and all our additional validation sampling and risk assessment works were approved by GBC.



## *Site Investigations Within Existing Buildings*



GeoDyne are increasingly undertaking site investigation works that involve an assessment of the ground conditions on industrial sites that are usually predominantly occupied by existing buildings, which are often still in use at the time of our works. This often means undertaking a programme of boreholes through existing concrete floor slabs in locations, and at times, agreed with current site users to minimize disturbance.

Advancing boreholes within existing buildings may be undertaken during weekends to avoid disruption to the site. Working closely with our subcontractors, GeoDyne ensure that boreholes advanced through floor slabs are reinstated with a concrete plug and the site is left in a clean and tidy state to the satisfaction of the site users, upon demobilisation.

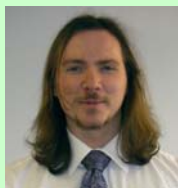


## New Staff

We welcome in 2008 two new Graduate Geo-Environmental Engineers.



**Graham Boulton**  
Derby Office

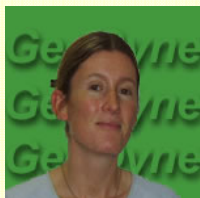


**Chris Harris**  
Nottingham Office

## Company Donations

GeoDyne (Nottingham) is based in a small village location just off the A453 in Thrumpton. As part of village life the community pulls together and supports each other for the common good. As a thank you to Thrumpton for making us feel part of the community (after all we do spend a minimum of 8 hours a day at work); we contribute to the village charities including the annual Thrumpton Flower Festival and Open Gardens and the Thrumpton Cricket Club.

On a personal basis, we would like to congratulate our staff for raising money through the many walks and marathons (half) they have participated in and thank all of our clients who may have supported them.



## Staff Changes

We are delighted to announce that our Principal Geo-Environmental Engineer, Claire Moreira transferred to our Derby office at the start of October 2007. Claire will work with our Associate, Paul Kershaw to grow the business in Derby with growth being driven by a quality product, innovation and a positive approach with clients.

## Quality Assurance ISO 9001



We are pleased to announce that our Derby office quality administration was assessed and approved by National Quality Assurance Limited in accordance with BS EN ISO 9001:2000.

The office will now be audited every other year. The Nottingham office is also ISO approved.



## CSCS Cards

GeoDyne are pleased to announce that all technical staff hold a current CSCS card and are competent in health and safety awareness on site. This is becoming an increasing requirement for working on site and demonstrates GeoDyne's commitment to continual staff training and the industry wide improvement of Health & Safety on construction sites.



If you require any further information on our services or our staff please visit our website or contact either of our offices.

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