

New Starters



Gareth Smith joined the company on 1 April as a Senior Engineer.

Gareth graduated at the University of Derby with a MSc in Environmental Management and Pollution Control and a BSc in Environmental Science and has several years experience working in Geotechnical and Environmental consultancy at local and multi-national consulting practices.

Gareth is a welcome addition to the GeoDyne team and he looks forward to working with our clients in these interesting times.

CASE STUDY – BACKFILLED OPENCAST COLLIERY SITE

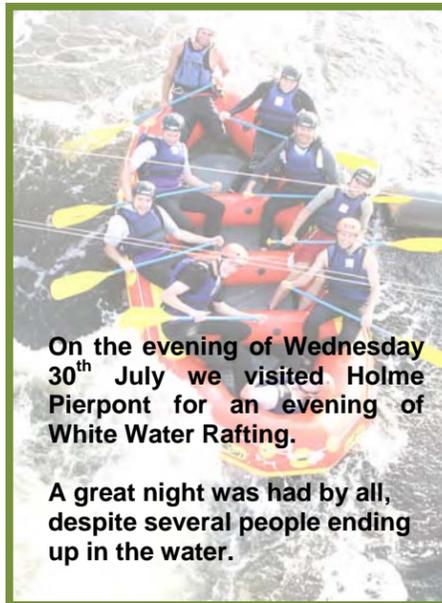
LOCATION: Backfilled opencast colliery site, Derbyshire.
CLIENT: Private Developer and Investors.
PROPOSALS: Large commercial/industrial estate.
INVESTIGATION: Trial Pits, Cable Percussive Boreholes, Rotary Percussive Boreholes, Cone Penetrometer Testing (CPT), Geotechnical & Environmental Soil Testing and Ground Gas and Groundwater Level Monitoring.

Investigation works were phased to meet specific project deadlines and included a detailed Phase I Desk Study, and an initial contamination assessment comprising a series of trial pits across the site. Detailed risk assessment of the soil test results was undertaken to provide initial remediation proposals.



Due to the complexity of the site (including upto 40m of opencast backfill, highwalls and former mine shafts) site investigation works required a combination of techniques to provide an accurate model of the ground conditions and to enable assessment of the most economical foundation solution for the development.

The investigation was phased to provide information to Investors, Structural Engineers and the Local Authority at key stages throughout the project. This required GeoDyne to be flexible during the project, which resulted in the delivery of expedited and high quality reports to assist with the construction of a large industrial estate.



On the evening of Wednesday 30th July we visited Holme Pierpont for an evening of White Water Rafting.

A great night was had by all, despite several people ending up in the water.

Construction Skills Gold Certification Scheme

GeoDyne has been awarded a Gold Certificate of Commitment for achieving Over 75% of staff passing the Construction Industry Health and Safety exam. All our Engineers are in possession of a CSCS card.



Contact: Paul Kershaw



Re-Brand

2008 saw the launch of the new image of GeoDyne.

The company has been trading for over 7 years and we felt that it was time to freshen up our appearance and create an image that reflects our commitment to quality and the ongoing growth of the company.

The new colour scheme represents a bridge between greenfield and brownfield development, whilst the logo identifies the beginning and end of site investigation (from exploratory holes to the final built environment).

We hope you like the new look as much as we do and we look forward to working with you in laying the foundations for a mutually prosperous future.

Jason Hollands



Richard Spencer



this issue

Property Shows 2008 **P.1**

Can You Smell Gas? **P.2**

6 Feet Under? **P.3**

Backfilled Opencast Colliery Site **P.4**



Property Show Update

2008 saw the first year GeoDyne exhibited at a Property Show

Both days were a success and we came away from the event having made new friends and renewed old acquaintances.

2008 was the first year that we have exhibited at local Property Shows. We set our sights on the Derby Show in May, followed by the popular East Midlands Property Show in November.

We are delighted to announce that we will be exhibiting at both shows in 2009.

*13 May - Stand 30 at Derby
10 November - Stand 23 at Nottingham*



Value Engineering

GeoDyne has undertaken a groundwater Detailed Quantitative Risk Assessment (DQRA) on a former landfill situated over a Minor Aquifer at a site in Lincoln. DQRA works were undertaken using the Environment Agency's Remedial Targets Methodology (formerly the 'P20' model), 'Hydrogeological Risk Assessment for Land Contamination' (v3.1, 2006). Works were undertaken following detailed consultation with the Environment Agency and Local Authority Contaminated Land Officer. By utilising site-specific data for parameters to create a robust model, GeoDyne demonstrated that despite the presence of land-filled materials, the risks to controlled waters were low. On this basis, detailed groundwater remediation was not required, providing a cost saving to the scheme.

GeoDyne is currently seeking to provide further value engineering to the scheme by demonstrating the suitability of surplus stockpiled soils from an adjacent site for use within a remedial capping layer, based on an enhanced dataset of laboratory testing and subsequent statistical assessments.

Contact: Jason Hollands / Richard Spencer

GeoDyne Limited
The Granary, Church Lane
Thrumpton, Nottingham NG11 0AX
Tel: 0115 983 0006 Fax: 0115 983 0009
email: info@geodyne.co.uk



GeoDyne Limited
Silverhill Court, Radbourne, Derby DE6 4LY
Tel: 01332 824115 Fax: 01332 824970
email: info@geodyne.co.uk

Current Market

Financial markets over the last year have experienced considerable downward pressure, which has resulted in knock on negative effects to liquidity, mortgages and the housing market. Whilst in the short term downside risks remain, in the medium to long term expectations are that a positive correction will take place. GeoDyne is aware of significant budgetary and cash flow constraints for developers moving sites forward.

In order to assist our Clients, GeoDyne is offering a Value Engineering service, where existing reports prepared both by ourselves and other consultants are revisited utilising current best practice with respect to risk assessment adopting a flexible and pragmatic approach. Our service ensures that sites are delivered for development for the minimum possible capital expenditure whilst minimising risks and achieving the approval of regulatory authorities and key stakeholders.

Let's Regenerate



GeoDyne has been appointed by Salford City Council (SCC) to undertake a ground investigation on the site of the Ordsall District Centre, Salford as part of the multi million pound plan to regenerate the Ordsall area. The project is the latest in a line of Housing Market Renewal funded urban regeneration projects where GeoDyne has provided geo-environmental consultancy services for the Council as part of the regeneration plans brought forward by SCC, Salix Homes, LPC Living and the local community.

GeoDyne will provide geotechnical and environmental advice regarding the construction of the proposed development over the former brickfield, housing stock, library, post office and the existing shops and health centre. The development plans, drafted by BPTW Partnership, include new housing stock, a new primary school, public open space, a health centre and leisure facilities.

Local Authorities are increasingly requesting post construction validation works to ensure that any implemented ground gas precautions have been installed properly, and are effectively mitigating the risks posed by potentially hazardous ground gases (i.e. methane and carbon dioxide).

Staff of GeoDyne have recently completed a formal training course with PA Geotechnical relating to construction and inspection of ground gas precautions. GeoDyne has subsequently undertaken a number of post construction membrane inspections following requests (via our Clients) from the Local Authority.

This entails the inspection of installed membranes to ensure that they are adequately sealed at points of penetration through ground slabs (such as soil vent pipes or columns) together with cavity walls, lift shafts and joints in the membrane.

We anticipate that ground gas membrane inspection and validation will become increasingly common, especially in light of recent guidance that includes validation as part of a 'points' scoring system when designing ground gas protection measures.

For further information, please call either Richard or Jason at our Nottingham office or Paul at our Derby office.

Can You Smell Gas?



Training on Service Penetration Sealing

6 Feet Under?

Since 2005 GeoDyne has been working with a Local Authority in Lincolnshire investigating the feasibility of using several of their sites for burial land. Supplying burial land is becoming an increasingly difficult and widely reported problem for Local Authorities for many reasons, including the shortage of land and ground related issues that result in some sites being unsuitable. GeoDyne has undertaken a series of ground

investigations on possible sites across Lincoln.

The investigations involved Phase I Desk Study work to identify any potential abnormal features such as the presence of backfilled quarries and buried services that may affect the layout of the cemetery site. Phase II work involved a combination of trial pits and boreholes to assess the stability of excavations and the presence of groundwater.

Long term groundwater monitoring was requested by the Environment Agency to investigate any seasonal changes in groundwater levels.

Another consideration during the feasibility study is the potential for groundwater and surface water contamination from the cemetery site.

Working in Lincolnshire was particularly challenging due to the variable and often poor ground conditions. However the investigation of burial land demonstrates GeoDyne's versatility in assessing land for different uses and we look forward to working with other Local Authorities on proposed burial land sites in the future.

Half Marathon – Sept 2008

Clare Clements and Richard Spencer ran the Nottingham Half Marathon in just over two hours; they raised money for the four official charities of the run – The Fire Fighters Charity, CLIC Sargent, Headway and Alzheimer's Society. After successfully completing the run this year, they are hoping to improve on their times and raise more money in next years half marathon.



Continuing Staff Development

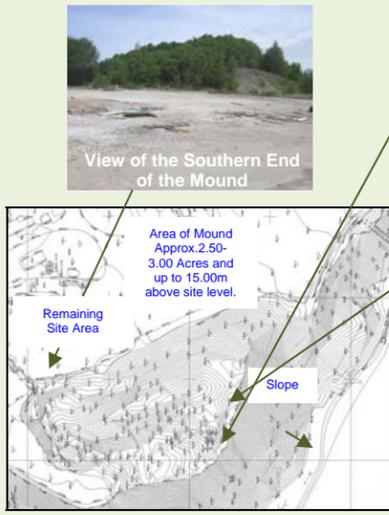
Congratulations to Clare Clements for being awarded a Distinction in her MSC in Environmental Management at Derby University.



Where there's Muck

Recent works at the former Gatewen Colliery, Wrexham involved drilling through a mound of Colliery waste. Access difficulties required the use of a specially adapted tracked demountable rig.

The primary goal of the work was to investigate the coal content of the mound to assess the potential for reclamation of any coal product present. The second alternative goal was to assess the Colliery waste as a potential earth works material.



The potential reclamation of carbon fuels would provide the Client with a significant cost saving through recycling of a material which could otherwise be potentially classified as a waste. If not feasible, the material may still be suitable for use as a bulk earthworks material.

Either activity would result in the removal of the mound which would significantly increase the developable area of the site whilst re-using the excavated material.

Social Housing Remains Buoyant

The current economic climate has resulted in a significant reduction in the number of houses being built by the national house building companies.

However, the social housing market remains buoyant and GeoDyne provides geotechnical and environmental consultancy services to a number of housing associations across the UK.

Sanctuary Hereward is a subsidiary of Sanctuary Group, a successful leading-edge housing provider and manages over 20,000 properties across the South and East of England, including London.

We have recently completed a number of site investigations within Cambridgeshire on behalf of Sanctuary Hereward on sites occupied by vehicle lock-up garages.

These relatively small sites are often disused and in a poor state of repair and provide Sanctuary Hereward with a redevelopment opportunity to construct a number of new dwellings.

