



# **NAPL in the UK context: does it matter?**

*6<sup>th</sup> November 2019*

**The Priory Rooms, Birmingham**

**Convenors – Geological Society contaminated land specialist group:**

**Jane Dottridge, Mott MacDonald**

**Kristian Fox, Atkins**

**Anna Hitchmough, RSK**



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# The Geological Society Contaminated Land Group



- The home for Geologists in contaminated land and the geo-environmental sector
- We support those seeking Chartered Geologist (CGeol) or Chartered Scientist (CSci)
- We organise conferences, networking, workshops and outreach events

<https://www.geolsoc.org.uk/contamland>

@ContamLand\_GSL on twitter



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# The Priory Rooms Fire Evacuation Procedure



- Nearest fire exit is located in reception, via the front doors
- No alarm test scheduled today
- Meeting point is through the main gates, turn right on to the street, and walk straight on to Colmore Square (approximately 100 meters)



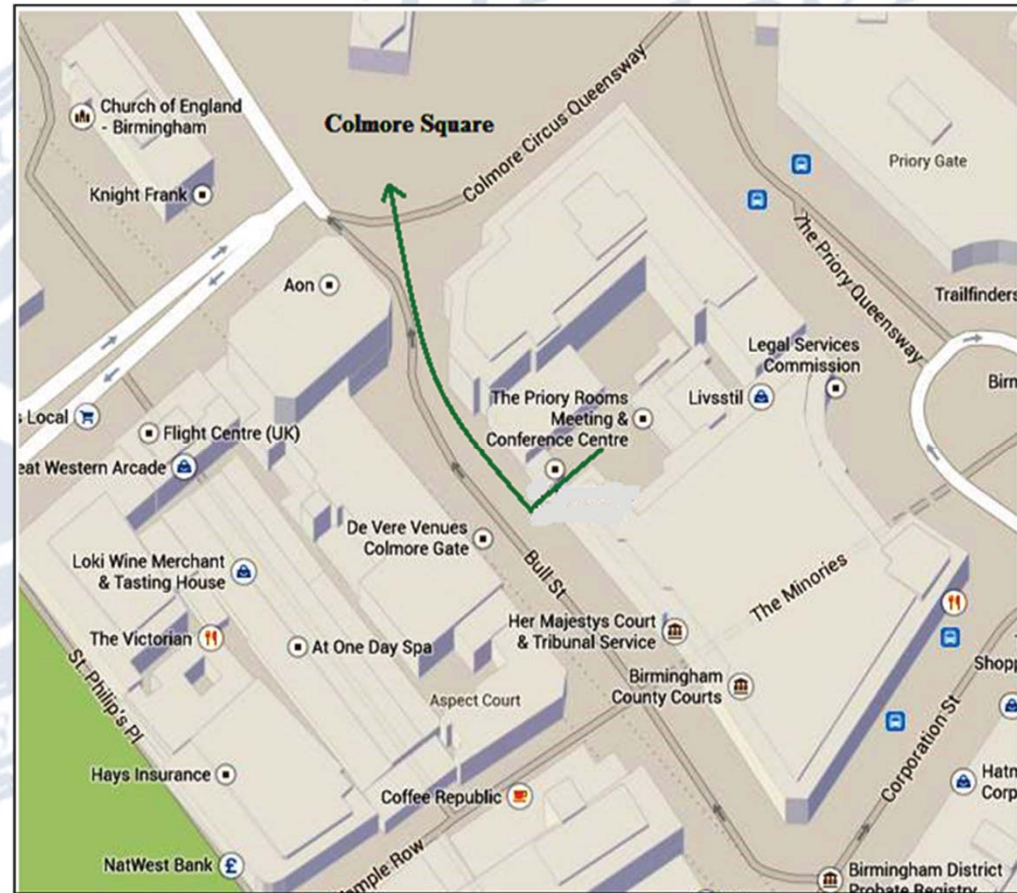
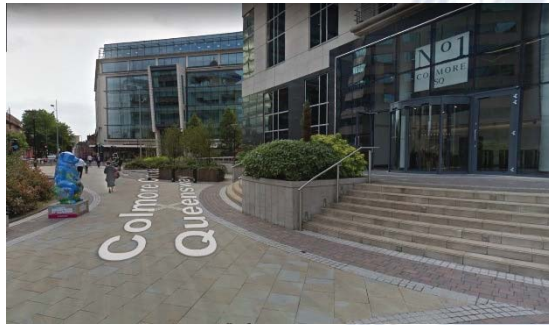
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# The Priory Rooms Fire Evacuation Procedure



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# Agenda



<b>9:00</b>	Registration and refreshments
<b>9:45</b>	Chair's Introduction (Anna Hitchmough, RSK)
<b>Keynote</b>	
<b>9:55</b>	LNAPL Keynote – Mike Rivett, GroundH2O plus
<b>10:25</b>	DNAPL Keynote – Gary Wealthall, Geosyntec
<b>10:55</b>	Q&A (Anna Hitchmough)
<b>11:05</b>	Break and posters
<b>Existing Guidance</b>	
<b>11:25</b>	NAPL does it matter? What can we learn from the last 15 years – A review of UK case studies. Alan Thomas, Kevin Leahy & James Baldock, ERM
<b>11:55</b>	NAPL and Separating Physics from Policy – A Tale of Two Countries. Michael Chendorain, ARUP
<b>12:15</b>	A Scottish regulatory perspective. Alan Yendell, SEPA
<b>12:25</b>	Q&A (Jane Dottridge, Mott Macdonald & GSCLG Chair)
<b>Lunch</b>	
<b>12:35</b>	AGM, Lunch and voting on posters

[www.geolsoc.org.uk/CLG-NAPL](http://www.geolsoc.org.uk/CLG-NAPL)



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<b>Assessing Risks from NAPL</b>	
<b>13.35</b>	World War II legacy and the challenges of managing LNAPL and DNAPL contamination of ground and surface waters. Rachel Thomas, Pembrokeshire County Council
<b>13:55</b>	Evolution of a conceptual model for NAPL distribution at former gasworks. Ben Fretwell, Woods
<b>14.15</b>	An update on the SoBRA NAPL subgroup. David Holmes, Ecologia
<b>14.35</b>	Q&A (Kristian Fox, Atkins)
<b>14.45</b>	Refreshment break and voting on posters
<b>Remediation of NAPL</b>	
<b>15:10</b>	Successful bio-stimulation and bioaugmentation treatment of DNAPL and dissolved phase mixed chlorinated solvent contamination under an active commercial site. Jack Shore, Regenesis
<b>15:30</b>	An introduction to the RemSoc "Framework for Remediation". Quentin Hulm, RemSoc
<b>15:50</b>	Site Investigation, Risk Assessment & Remediation of DNAPL at a Site in Grangemouth. Chris Eccles, Nick Frost & Mike Harper, TerraConsult Ltd
<b>16.10</b>	Q&A (Kristian Fox, Atkins)
<b>End</b>	
<b>16.20</b>	Round up of the day announcement of poster winner and meeting close (Jane Dottridge, Mott Macdonald & GSCLG Chair)
<b>-16.30</b>	



# Housekeeping



- Timekeeping
- Questions at end of sessions
  - Microphone
  - Please state name and organisation



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# Poster Competition



Poster Title	Name	Organisation
DNAPL Investigation and Remediation for the Thames Tideway Tunnel	Emily Riley Matt Wright Dino Giordanelli	CVB JV Golder Associates Mott MacDonald
Assessing the seriousness of NAPL contamination – Experience from three different sites in the UK.	David Brooks	The Sirius Group and Durham University
Advances in in-situ Automatable LNAPL and Water Level Monitoring by Guided Wire Radar: detailed analysis of LNAPL behaviour and improved site understanding	David Holmes	Ecologia
NAPL pilot test case study	Felipe Couto Laurence Smith	RemedX RemedX
Tools, methods and models for evaluation of Natural Source Zone Depletion of LNAPL Sources	Tim Mitchell	Golder Associates
Modelling NAPL sources in RAM4	Kim Gray	Stantec
'Sunshine on the Tyne' - Solar Powered Remediation of DNAPLs within a historic gas holder.	Mark Stacey Adam Wilson Emma King Neil Whalley	Geo2 Remediation Geo2 Remediation Sweco Northern Gas Networks



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# Poster Competition



- Posters available to view during all break times
- Please vote for your favourite either by paper voting slip or mentimeter before the end of the afternoon break
- The result will be announced during the closing remarks



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## How to take part...

- Grab your phone
- (Optional) WiFi: theprioryrooms and Password: fibreoptic
- Go to [www.menti.com](http://www.menti.com)
- Use code 80 44 10



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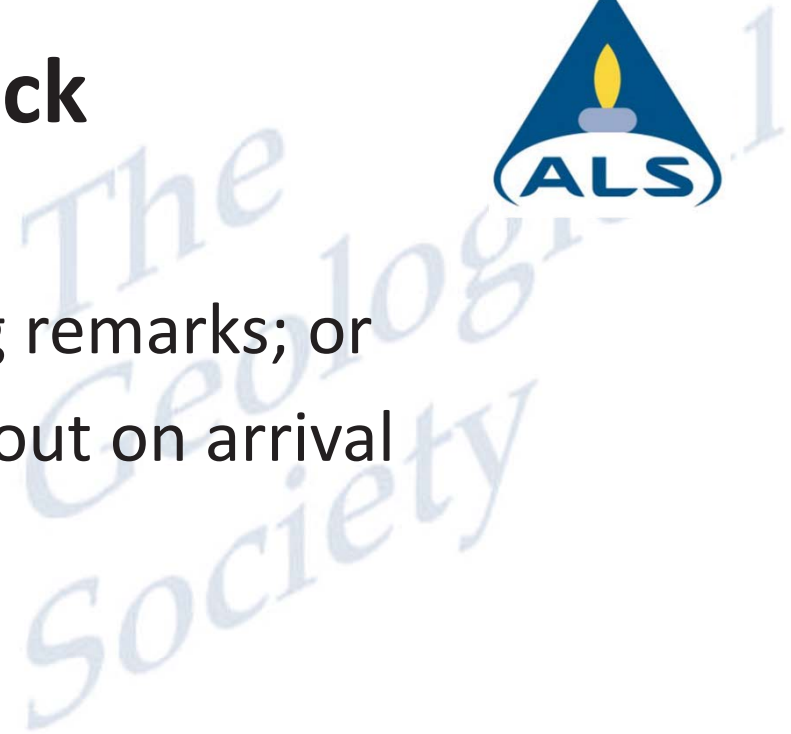




# Feedback



- Via mentimeter during closing remarks; or
- Paper questionnaire, handed out on arrival



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