

# Shona Brown

MSc, BSc, MCIWEM

- Joined Atkins December 1<sup>st</sup> 2014 as a graduate environmental Scientist in the Glasgow contaminated Land and hydrogeology Team.
- BSc in Environmental Science from the University of Stirling (2007 – 2011)
- MSc in Environmental Engineering from the University of Strathclyde (2012 - 2013)
- Why did I start working in Contaminated Land?

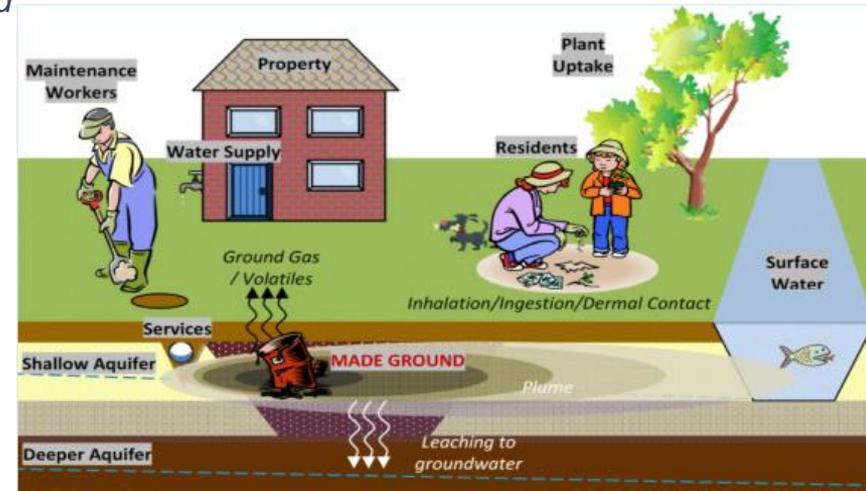


24 November 2017



# Contaminated Land

- *The historic legacy of industrial, commercial and agricultural operations on land can cause sites, and their surrounding areas, to be affected by contamination from a variety of substances that pose risks to human health and the environment. Contaminants can also migrate from other sites to cause air, land, surface water or groundwater contamination (EPS, 2017).*
- Source – pathway – receptor
- Phase I – Desk Study
- Phase II – Site Investigation
- Post works monitoring, Remediation Scheme, Remediation completion report.



# Large Infrastructure Projects - A9 Dualling

## What is the project?

- Project is due to be completed in 2025
- Budget £3 billion
- 80 miles of single carriageway between Perth and Inverness
- Atkins are working in joint partnership with Mouchel (WSP) on Northern section

## What we did:

- Supervision of two ground investigations
- Soil and Rock logging
- Permeability testing and flow monitoring
- Input into environmental statement



# Longannet Power Station

## About Longannet:

- It was the second largest power station in Europe with a capacity of 2,400MW of electricity
- Powered up to 2 million homes
- Operated between 1972 and 2016.

## What we do:

- Monthly ground water monitoring
- PPC permit monitoring
- Phase I desk studies for various parts of the site including the old site of the mine (closed in 2000)



# Why Choose Contaminated Land?

- **Work with a wide variety of people from a number of different backgrounds** – The team at Atkins consists of a geologist, a hydrogeologist, two environmental scientists, an environmental chemist and a civil engineer
- **No project is the same, no day is the same** – Each project has different problems which need solving and this means that your day to day work is rarely the same.
- **Lots of site works across the UK** – If you don't like sitting in the office, we are always offered opportunities to work on different sites throughout the UK, work in different offices and work for our clients.
- **Always learning new skills** – As projects can be fast pace and things are always changing, you are always learning new skills and developing others such as problem solving, multitasking and organizational skills.
- **The Environment** – If you are environmentally conscious then this is a good way to make a difference.

## Some negatives:

- Working in all weather
- Can be dirty and smelly



# How to get into Contaminated Land

- Undergraduate degree in environmental science, geology, civil engineering or any other similar degree
- Masters degree would be useful

## What's next?

- Working abroad
- Chartership
- Management
- Building Technical Knowledge

# The Atkins Graduate Programme

After three years working for Atkins I have recently completed the Graduate Programme. Some positives of being on a Graduate Programme:

- I was able to meet graduates working in different offices and different disciplines all over the UK
- I was able to build a network of other graduates throughout the company
- Helped me know where I wanted to go with my career and what my strengths and weaknesses are



# Thank you

If you'd like to find out more visit:  
[www.atkinsglobal.com](http://www.atkinsglobal.com)

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