

ENVIRONMENTAL CAREERS DAY

31.10.16

REBECCA MCLEAN

ENVIRONMENTAL IMPACT ASSESSMENT (EIA)
TECHNICAL MANAGER

WHO ARE SWECO?

EUROPE'S LEADING ARCHITECTURE
AND ENGINEERING CONSULTANCY



IN THE UK, WE EMPLOY 800 PEOPLE AND HAVE PARTICULAR EXPERTISE IN THE FIELDS OF ENERGY, TRANSPORTATION, ENVIRONMENT, ASSET MANAGEMENT, SUSTAINABLE BUILDINGS AND WATER.

www.sweco.co.uk

OUR HISTORY IS REALLY ABOUT THE FUTURE. BEING PREPARED FOR SOCIETY'S NEEDS AND CHALLENGES HAS ALWAYS BEEN THE FOUNDATION OF OUR BUSINESS.

FROM THE INDUSTRIAL REVOLUTION TO TODAY'S GLOBAL URBANISATION TREND, WE KNOW THAT THE COMMUNITIES AND CITIES OF TOMORROW WILL ALWAYS BE DIFFERENT FROM THOSE OF YESTERDAY – AND THAT IT WILL REMAIN OUR JOB TO STAY ONE STEP AHEAD.

REBECCA MCLEAN – EIA TECHNICAL MANAGER

CAREER PROGRESSION

- degree in environmental management at Dundee University (Bsc Hons) - 2003
- graduate air quality position in Enviros consulting in London – 2003:2005
- progressed to EIA/air quality senior consultant relocated to Edinburgh – 2005:2009
- principal EIA/air quality Consultant at SKM/Jacobs 2010:2015
- EIA technical manager at Sweco 2015: Present

CAREER HIGHLIGHTS

- dust monitoring Arsenal emirates stadium
- getting my nose certified (true story)
- gaining outline consent for Zero Waste Scotland
- managing EIAs for a clean coal fired power station / other renewable energy developments
- monitoring burning buildings that were historically used for explosive manufacturing
- working on projects and influencing design decisions to be more sustainable





ENVIRONMENTAL CONSTRAINTS? WHAT WOULD YOU ADVISE?





A50

Canvey Gate

Swan St

Soar Ln

Junior St

Soar Ln

Vaughan Way

E Bond St



Great Central St

All Saints Rd

Showcase

Whitewall Galleries Leicester

Highcross Leicester

Vaughan Way

WHAT WOULD I DO ALL DAY?

- EXPLORING THE SUITABILITY OF SITES
- WORKING OUT THE RISK TO THE ENVIRONMENT
- COMPLETING FIELD SURVEYS
- ANALYSING AND INTERPRETING THE DATA GATHERED IN FIELD SURVEYS
- WRITING SCIENTIFIC REPORTS AND PRESENTING YOUR FINDINGS
- MAKING SURE ORGANISATIONS MEET ENVIRONMENTAL LAWS AND REGULATIONS
- INVESTIGATING CONTAMINATION
- CONSULTING WITH BODIES AND LOCAL PUBLIC
- PROVIDING ADVICE TO INDUSTRY OR GOVERNMENT
- WORKING ON PLANNING APPLICATIONS TO GAIN CONSENT.

RELEVANT SUBJECTS:

- BIOLOGY
- CHEMISTRY
- GEOGRAPHY
- SUSTAINABILITY

DEGREE COURSES

- ENVIRONMENTAL SCIENCE
- ENVIRONMENTAL STUDIES
- RELATED SUBJECTS (I.E. GEOTECH ENGINEERING, SUSTAINABILITY, LANDSCAPE ARCHITECTURE, ECOLOGY, GEOGRAPHY)

EMPLOYERS MAY ALSO ASK FOR A MASTERS

KEY IS GETTING EXPERIENCE



QUALIFICATIONS



SUGGESTIONS

- CHECK DEGREE COURSE REQUIREMENTS
- JOIN LOCAL/COMMUNITY ENVIRONMENTAL GROUPS
- JOIN PROFESSIONAL BODIES (IEMA, CIWEM)
- INTERNSHIPS / PLACEMENTS
- GRADUATE SCHEMES

SWECO

