



# Schedule of technical environment & climate change expertise

HKA has drawn together an unrivaled portfolio of the very best global environmental experts. We aim to be the premier purveyor of choice for environmental expert support, one that contains both the depth and diversity needed to meet our customers' requirements. Whether at times of inquiry, conflict, or dispute in damage, negligence, enforcement, or nuisance (air, land, or water) we can provide the foremost team. From global to regional projects, whether you require an expert on a single-issue matter or multiple expert witnesses on multiple individual issues in complex environmental disputes, HKA can provide the one-stop shop to deliver the best possible environmental outcome.

## Air quality (dust, odour, vapours, other)

- Air quality assessment
- Air quality management
- Air quality modelling
- Air quality monitoring
- Ammonia assessments
- Environmental Impact Assessments (EIA)
- Indoor (BREEAM)
- Industrial emissions assessments
- Radon assessments
- Vehicle interior air quality

## Asbestos in soils and buildings

- Management and procedures
- Remedial costing
- Risk assessment
- Site investigation
- Soils remediation
- Waste classification

## Climate

- Adaptation
- Company governance
- Greenhouse gas reporting/trading
- Impacts and attribution

## Complex risk assessment

- Atmospheric modelling
- Groundwater contaminant modelling
- Human health (soils)
- Human health (vapours)
- Human health (waters)
- Indoor air risks
- Landfill gas risk modelling
- Mine gas risk modelling

## Energy and renewables

- Strategic Environmental Impact Assessment (SEA)
- Environmental Impact Assessment (EIA)
- Treatment facility construction, commissioning and testing
- Environmental management plans
- Permitting and discharges
- Onshore and offshore

## Environmental transaction support service (excluding detailed design)

- Data sufficiency assessments
- Environmental abnormal reviews
- Environmental insurance dispute
- Liability and the monetisation of environmental risk
- Third party technical peer review (environmental issues)

## Environmental, Social and Governance (ESG)

Climate change act  
Corporate governance codes  
Directors duties  
Disclosure transparency  
Environmental assessments and compliance  
Environmental due diligence  
Fiduciary duties  
Greenwashing  
Investor or activist claims against disclosures  
Pension regulations  
Principles of Responsible Investment (PRIs)  
SASB (IFRS) disclosure standards  
Securities litigation  
Social rights  
Stewardship codes  
Sustainability linked loan failures  
Sustainability reporting  
Task Force of Climate Related Financial Disclosures (TCFD)  
UN Sustainable Development Goals (SDGS)

## Extractive industries

Environmental Impact Assessment (EIA)  
Groundwater assessments  
Mine gas risk assessment and remediation  
Mineral stability and shaft remediation  
Recycled aggregate assessments  
Tailings assessments  
Strategic Environmental Impact Assessment (SEA)

## Hydrogeology - contaminated land

Contaminant fate and transport modelling  
Groundwater flow assessments

## Hydrogeology - waste and water

Environmental Impact Assessment (EIA)  
Clean water resource management  
Clean water resource modelling  
Water resource protection  
Contaminant fate and transport assessment

## Hydrology and flooding

Environmental Impact Assessment (EIA)  
Flood management and engineering  
Flood risk assessments  
Geomorphology  
Groundwater flooding  
Sediment movement

## Industrial emissions

Environmental Impact Assessment (EIA)  
Fixed plant emissions  
Mobile plant emissions  
Monitoring  
Permitting

## Land contamination

Green remediation  
Liability management  
Remediation design and costings  
Remediation options appraisals  
Risk assessment  
Site investigation  
Sustainable Urban Remediation Framework (SURF)

## Landfill

Design, operations and permitting  
Gas and leachate risk assessments  
Landfill gas remediation design and implementation  
Odour and air quality nuisance

## New and emerging contaminants

Assessment and investigation  
Liability management  
Per- and polyfluoroalkyl substances (PFAS)  
Remediation design and costings  
Toxicology



### Noise

- Building acoustics
- Environmental Impact Assessment (EIA)
- Noise assessments
- Noise management
- Noise modelling
- Noise monitoring

### Pollution and regulatory issues

- COMAH
- Contaminated land
- Environmental enforcement and prosecutions
- Environmental permitting and consent issues
- Environnemental nuisance claims
- Tailpipe emissions
- HAZOP / HAZID
- Industrial permitting
- Landfill and waste permitting
- Regulatory review
- Water and wastewater permitting

### Product stewardship

- Alternative substances
- Biocides / Pesticides
- Chemical exposures
- Cosmetics
- Producer responsibility
- Product practice compliance
- REACH chemicals
- Responsible sourcing
- SCIP database
- Toxicology

### Radiological risks

- Biokinetic and dosimetric modelling
- Biokinetics and toxicology
- Emergency planning and response
- Environmental radioactivity

### Radiological risks continued

- Mathematical modelling
- Radioactive waste management
- Radiological impact assessment - operational and post-closure
- Radiological protection
- Radon risks and management
- Safety analyses for radioactive and chemotoxic materials
- Simulating radionuclide transport in the environment

### Strategic Environmental Impact Assessment (SEA) Environmental Impact Assessment (EIA)

- Energy from waste developments
- Flood management
- Forestry
- Hydrogen
- Industry (controlled activities)
- Infrastructure projects (road, rail, aviation, marine)
- Mining and resources
- Nuclear
- Planning
- Solar power developments
- Thermal power projects
- Utilities
- Wind power developments

### Sustainable Urban Drainage (SUD) and drainage

- Attenuation tanks
- Permeable pavements
- Soakaways design and assessment
- Sustainable urban drainage assessments

### Toxicology

- Ecological toxicity
- Legacy and new chemicals
- Safety analyses for radioactive and chemotoxic materials



### Vehicle emissions

- Non exhaust emissions
- Tailpipe emissions
- Tyre wear rates and toxicity
- Vehicle interior air quality

### Waste

- Circular economy assessment
- Classification and end of waste assessments
- Definition of Waste Code of Practice (Dow COP)
- Materials Management Plans (MMP)
- Tailings assessments
- Treatment facility construction, commissioning and testing
- Waste permitting, compliance and licence surrender
- Waste stabilisation and reuse
- Wastewater treatment, operation and design

### Energy from waste

- Environmental Impact Assessment (EIA)
- Permitting
- Treatment facility construction, commissioning and testing

### Water chemistry

- Discharge permitting
- Temperature modelling
- Wastewater chemistry and assessment
- Water chemistry and pollution

### Wildlife protection and biodiversity

- Arboriculture
- Biodiversity assessments and management
- Biodiversity New Gain (BNG)
- Forestry
- Freshwater and marine ecology
- Terrestrial ecology

### Professional standing & recognition



Consistently ranked highly in the Global Arbitration Review (GAR) Top 100

HKA has been instructed by 86% of the GAR top 30 International Arbitration Law Firms

HKA has been instructed by 83% of the leading Contentious Construction Law Firms\*

\*according to Chambers & Partners



Top of the Who's Who Legal Construction Expert Witnesses analysis for six consecutive years

**For further information, please contact your local HKA office or:**



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