

Hydrology and Hydrogeology

The Arcus Hydrology and Hydrogeology Team provides a range of hydrological services, including:

- Environmental Impact Assessment
- Flood Risk Assessments
- Private water supply risk assessments
- Watercourse crossing and drainage design
- Site constraints analysis
- Construction Environmental Management Plans
- Regulatory compliance and permitting
- Discharge of planning conditions
- Due diligence assessments
- Field Surveys
 - Site walkovers
 - Infiltration testing
 - Dipwell and ground water monitoring
 - Surface water quality monitoring
 - Peat depth surveys



Arcus has extensive experience of working in upland peat and lowland free-draining environments, including sites with sensitive receptors. We are able to provide informed hydrology-related advice and guidance based on our field experience and previous consultation with consultees such as the Environment Agency, Scottish Environment Protection Agency and Marine Scotland.



Selected Projects

Kilgallioch Wind Farm, Section 36 application for 132 turbines

Arcus provided the following services: site survey, site constraints analysis, site drainage design, EIA Chapter, watercourse crossing design, private water supply assessment and consultee management.

Development of three wind turbines in Oxfordshire

Arcus provided the following services: site survey, site drainage design, Environmental Statement (ES) Chapter, Flood Risk Assessment, infiltration testing and discharge of planning conditions.

Beatrice Offshore Wind Farm - Onshore Grid Infrastructure

Arcus provided the following services: site constraints analysis, ES Chapter, private water supply assessment, watercourse inventory management and consultee management.



Beinn Mhor Wind Farm, Isle of Lewis, Discharge of Hydrology Conditions, Section 36 Planning Consent

Arcus carried out consultation with statutory consultees regarding the discharge of conditions, including a 'Scheme of Watercourse Buffers', a water quality management plan, a private water supply risk assessment and mitigation measures to protect the water environment.