

DEWATERING SERVICES

CAPABILITY DOCUMENT



ENABLING YOUR SITE TO BE KEPT DRY AND COMPLIANT

Verde provide dewatering services to construction projects where there is a requirement to pump, treat and dispose of waters offsite, allowing for works to be carried out in a safe, dry and environmentally compliant manner.

High groundwater levels and surface water run off generally need to be pumped to a suitable treatment system, from where it is treated and monitored prior to discharge to storm drains, foul sewers, surface water bodies or directed back into the ground via designed recharge wells.

OUR APPROACH



- A highly trained and experienced support team that can plan, install and maintain a suitable site dewatering system, ensuring that a construction project can proceed in a dry and environmentally compliant manner from initial planning all the way through to the system decommission.
- An extensive range of pumps and hose sizes to suit all pumping requirements, from shallow sumps to deep abstraction wells.
- The experience to deal with pumped discharge volumes ranging from $<100\text{m}^3/\text{day}$ to $>4000\text{m}^3$.
- Our settlement tanks are purpose built to have a small footprint on-site, while maximising suspended solids settlement from site discharge waters.
- An extensive range of oil water separators and GAC vessels to cater for the treatment of oily contaminated waters from site.
- The provision of a purpose-built treatment system for high pH water, based on the application of CO_2 gas; this system is both safe to use and small in scale to ensure minimal site footprint.
- The installation of telemetry systems to monitor water quality, water levels, flow and environmental parameters in real time, as well as allowing the alarming of pumping systems and water quality parameters continuously.
- Our commitment to Quality, H&S and Environmental performance which is reflected in the professional recognition and quality standards awarded to us.
- A team, a plan and a pump ready for you, no matter the size or complexity of your site dewatering project.

OUR PEOPLE

Services Include:

*Discharge license
application & expert
opinion*

*Dewatering system
design*

*Drilling of abstraction
/ dewatering /
recharge /
monitoring wells*

*Equipment hire
(pumps, hosing,
cabling, settlement
tanks, etc.)*

*System Installation &
Maintenance*

Sludge Disposal

*Ph & Suspended
Solids Treatment*

*Fuel spills, oil,
creosote & other
contaminant
treatment systems*

*Water Sampling, Lab
Analysis & Reporting*

*Live Telemetry Data
Monitoring from site
of Water Quality
Parameters & Alarm
System*



Aidan Murphy, Principal Environmental Engineer. Aidan has over 12 years' experience working on dewatering and site investigation projects within both Ireland & UK. Expertise includes tendering, hydrogeological desk studies, discharge license applications, dewatering design, dewatering setup and management, telemetry management, compliance monitoring and report writing.



Donal Hogan, Principal Hydrogeologist. Professional geologist with over 18 years' experience in hydrogeology related projects. In particular, he has extensive experience in the development of sustainable groundwater resources and the design and installation of groundwater pump and treatment systems.

OUR ACCREDITATION

Quality, Health & Safety and Environmental performance are cornerstones of our business.

We maintain our accreditation to ISO Management Systems Standards and are continually looking to improve our performance.

We also hold memberships and affiliations with relevant industry and professional bodies.



For further information, please visit us at www.verde.ie or email aidan.murphy@verde.ie or donal.hogan@verde.ie

Verde Environmental Consultants | part of Verde Environmental Group

WICKLOW
Tel: +353 1 201 1260

CORK
Tel: +353 21 236 4679

GALWAY
Tel: +353 91 660 202

MAYO
Tel: +353 94 904 4391