

BeneTerra finds and implements...

Solutions to challenging environmental problems



www.beneterra.com



Our team consists of scientists, engineers, project managers and contractors who are

real world problem solvers

delivering practical, cost-effective solutions to clients in several industries.



What We Do

BeneTerra goes beyond consultancy and takes an active part in the stewardship of wastewater and the land to ensure successful project execution. Although we are a science driven business, our team likes to get their hands dirty and make sure a job is done right.

Treatment for produced water, landfill leachate and industrial wastewater

Our BeneVap evapoconcentrator lies at the heart of these solutions. It can reduce wastewater volume by as much as 99 percent. These machines handle the toughest wastewater that many technologies cannot touch. They are proven to evaporate formation water from oil and gas production, flowback water from fracking operations, landfill leachate, reject water from ion exchange and reverse osmosis and hide processing water. These machines can be portable as well as placed in a fixed location. We employ a variety of complementary technologies in finding the best technology fit for specific wastewater requirements.

Rehabilitation of disturbed land using sound science

It is difficult to return disturbed lands like utility corridors, well pads and dam site to their natural condition or to where they support vegetation and do not erode. We use a scientific approach



to understand the nature of the disturbance and compare that to both the natural condition and an ideal condition. Based upon a comprehensive survey of the soil materials available, topography, climate and so forth, we devise a rehabilitation plan to achieve the best possible outcome. Then we execute that plan. This often requires in-field testing and surveying during site rehabilitation to ensure the best outcome.

Design, build and operation of wastewater dispersal systems

There are often overlooked opportunities for land-based dispersal of wastewater. We strive to help our customers to recognise and develop that option when possible. BeneTerra and its principals have a long history of designing, building and operating irrigation projects that reuse wastewater from a variety of sources. Over that period, we have learned what makes these projects succeed and fail. After witnessing several failures, BeneTerra decided to take an active role in the management of such projects and has a string of successes.

Scientific research, analysis and monitoring services

We are often called upon to help organisations solve environmental, technical or regulatory problems. While consultancy is not our core business offering, we are happy to assist our customers by providing such things as background research, help with position papers, permitting of facilities or reports to regulatory agencies. We have also worked cooperatively with premier research organisations such as the US National Energy Technology Lab and US Geological Survey to tackle problems related to beneficial use of coal bed water from natural gas production.

How We Do Business

Environment, Health and Safety

Our record shows a high regard for EH&S. Environment is our business. Protecting and improving the environment is our priority. BeneTerra has internal systems for ensuring the health and safety of our staff, contractors and all concerned. Our health and safety record is monitored and audited externally by two international tracking systems—Achilles and ISNet. We were given Arrow Energy's "Go Further Award" in recognition of our safe work record.

Cost Effective Solutions

Our leadership team have operated businesses throughout their careers and truly understand the need for revenues to exceed expenses. Being well-versed in the regulatory constraints, technical issues and the business realities, we bring fresh solutions to our customers saving them millions.

Rigorous Research with Integrity

BeneTerra staff work diligently to find the best solutions for our customers. We often submit alternative proposals to a RFQ if we think there is a

superior solution. We have even refused to bid on scopes of work that we believed were not in the best interest of the customer. Good research on a project by project basis allows us to confidently price our work.

Fixed Price with a Guarantee

We price jobs based upon the real costs and a fair profit. We do not expect to get ahead by cutting corners or underbidding with the intention of adding variations to a job. Most jobs are based upon a fixed price quotation. That helps the customer know their true costs ahead of time and it drives performance and efficiency within our organisation. Where possible we provide a performance guarantee.

Constant Innovation

Innovation is part of our DNA. Our team is continually finding better ways to solve a problem or do a task. Whether it is a more efficient way to remove pond liners, moving earth, dewatering ponds or tweaking the evapoconcentrator our staff never stops improving.





Core Capabilities

1. Disturbed land rehabilitation services

- Science-based soil profile reconstruction and revegetation
- Erosion mitigation and control
- Utility corridor vegetation and maintenance
- Dam embankment stabilisation and maintenance

2. Wastewater treatment and disposal

- Reduce volume of many sources of wastewater by evapoconcentration
- Fixed and mobile options
- Match complementary technologies

3. Design, build and operate wastewater irrigation systems

- Design includes matching water, soil and appropriate technology
- Building requires proper land preparation as well as infrastructure
- Deep management experience ensures operational success

4. Research, analysis and monitoring services

- Assistance with project permitting
- Compliance reviews
- Monitoring of sites, vegetation and soil conditions
- Water and soil sampling and analysis

Our customers

are some of the most successful companies in the world and we are proud to serve them. In order to serve these large organisations, a small company like ours must work extra hard to understand their business and differentiate ourselves through innovation and reliability. We have systems for operating under each organisation's environmental, health, safety and quality requirements.



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