

INDUSTRY LEADING EXPERTS

AUSTRALIA'S LEADING PROVIDER OF DEWATERING,
PUMP RENTAL AND ENVIRONMENTAL SERVICES.



PUMPS | POWER | WATER TREATMENT | WATER MANAGEMENT





MEET THE SYDNEY TEAM

Our Sydney branch delivers comprehensive dewatering solutions for the civil, construction, and mining sectors across Australia. Our expertise covers groundwater management, wellpoints, deep wells, open-cut pits, and underground mining. We also provide water treatment and environmental services, including site surveys, sampling, monitoring, remediation, training, and environmental management.

NPE supports project design and management through risk assessment, auditing, monitoring, and evaluation of environmental assets. We're committed to improving water management through innovative methods and technologies.

Partnering with us ensures reliable, efficient dewatering and sewer bypass solutions. We use industry-leading equipment and tailor our services to meet the challenges of complex, fast-paced projects. Our dedicated operational team is focused on delivering results and supporting your success.

Let's work together to ensure your dewatering and sewer bypass needs are managed with professionalism and care. I look forward to discussing how we can help drive your project's success.

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OUR CAPABILITIES

Industry Leading Knowledge & Experience

NPE's extensive experience and resources ensure we meet environmental legislation while delivering exceptional outcomes, establishing us as a top solution provider in the industry.

End-to-End Project Management

Our expert team manages every aspect of your project—from planning to operational delivery, compliance, and results—ensuring complete and successful execution.

Turn-Key Water Management Solutions

We provide tailored, compliant solutions for various applications, including:

- Water Management Systems
- Pump Hire & Sales
- Evaporation Systems
- Disaster Recovery Management
- Dewatering
- Flood Management
- Water Treatment

Australia Wide Capability

Our services are accessible to projects nationwide, with experience in both regional and remote areas.

Safety & Quality Systems

NPE adheres to the highest standards of Quality, Health, Safety, and Environmental Management for our projects and operations.



24/7 Emergency Response

We offer around-the-clock technical support, maintenance, and emergency response, ensuring rapid mobilization and effective solutions.

On-site Project Facilities

NPE provides on-site staff and facilities as needed to enhance project efficiency and timeliness.

Environmental Compliance & Leadership

We handle environmental applications and management plans, ensuring that all activities comply with legislative requirements and best practices.

Successful Track Record

With a proven history of delivering sustainable water management solutions across various industries, NPE's impact is visible nationwide.

Industry Innovation

We lead the industry in environmental management and project efficiency through ongoing research and dynamic partnerships with global leaders.

OUR CERTIFICATIONS

NPE'S COMMITMENT TO QUALITY, HEALTH AND SAFETY AND ENVIRONMENTAL MANAGEMENT HAS BEEN TESTED AND PROVEN.



Our Integrated Management System has been certified to ISO 9001, ISO 14001, and ISO 45001.

These certifications formally acknowledge the policies, practices and procedures put in place by NPE to ensure consistent standards of excellence in the provision of products and services to our Clients.

Quality

Service, Equipment, Systems and People are the core of NPE's management. We have a tested-and proven track record operating in the general construction, civil engineering, government and mining industries.

All direct employees and subcontractors engaged on a NPE project are fully engaged in our quality systems and are made aware of their responsibilities through company and project inductions, toolbox meetings, Safe Work Method Statements (SWMS's) and Job Safety Assessments (JSA's).



The Rocks



Brownsville



Alexandria

OUR SERVICES

Wallacia

At NPE, we offer high-quality pump equipment for bypass works, including silenced diesel units and electric submersible pumps, ensuring effective performance.

As a leader in the water and wastewater industry, we specialise in bypass systems that maintain sewer operations during repairs. We collaborate with clients for detailed project reviews, including flow gauging and risk analysis.

Water Treatment and Environmental Management

Our services include site surveys, sampling, monitoring, remediation, training and environmental management. NPE can provide assistance in project design and management, including risk management and the auditing, monitoring and assessment of environmental assets.

Our total water management processes are continuously improving as we develop new industry-leading water table management methodologies and technology.

Our national team is experienced in guiding project managers through the complex array of compliance requirements to meet specific project outcomes and comply with all relevant legislation. NPE Environmental services are bolstered by a series of strategic alliances with leaders in the environmental field.

Key Services

- Groundwater Remediation
- PFAS Treatment
- Hydrocarbon Removal
- Metals Removal
- Chemical & pH Dosing
- Sludge Processing
- Effluent Management
- Monitoring and Reporting
- Research & Development
- Hydrology Investigations
- Dewatering Management
- Surface Water Management
- Nutrient and Irrigation Management Plans
- Acid Sulphate Soils Investigation
- Due Diligence Investigations
- HAZMAT Investigations
- Contaminated Sites Remediation
- Environmental Land
- Vegetation Assessment and Clearing
- Composting and Soil Amendment

OUR SERVICES



Penrith

Dewatering

NPE provides comprehensive dewatering services for the civil, construction, and mining industries across Australia. We offer turn-key solutions for projects of all sizes, managing your site's water needs with expertise.

Our end-to-end project management includes tailored dewatering management plans, obtaining licenses, risk management, and the installation and operation of various dewatering systems. We ensure compliance with environmental laws through detailed reporting for local, state, and federal governments.

Having designed, drilled, and installed numerous dewatering systems, we specialize in:

- Wellpoint dewatering
- Sump dewatering
- Deep well dewatering
- Open pit dewatering
- Horizontal dewatering



Bypass

At NPE, we provide top-quality pump equipment for bypass works, including silenced diesel-driven units and electric submersible pumps. Our expertise ensures effective performance every time.

As a leading provider in the water and wastewater industry, NPE specializes in bypass systems that maintain sewer service operations during repairs. We conduct detailed project reviews and collaborate closely with clients to address all aspects, including flow gauging and risk analysis.

We prepare pump system duty reviews and flow management plans that meet Shire or Council requirements. Our sewer bypass systems feature online telemetry and SMS alerts to a 24/7 monitoring team, ensuring immediate response and resolution of unexpected issues.

Flood & Disaster Management

At NPE, we provide fast and reliable solutions for disaster management. With our experienced team and extensive equipment fleet, we ensure efficient and effective responses to emergencies. We eliminate the need for you to purchase and maintain expensive equipment that may sit idle. Our wide range of high flow pumping equipment and generators, supported by our technical expertise, guarantees optimal solutions for your situation. Trust NPE to be your flood and disaster management experts.

OUR SERVICES

Generator Hire & Power Solution Packages

NPE operates from 13 locations across Australia, servicing the wider Pacific region. NPE's strengths are focused on the following:

- Custom built equipment designed to withstand harsh environments and extreme climate conditions
- Project management, including contractual and construction supervision
- Electrical power systems, including generation, distribution, high & low voltage installations, protection and control
- An extensive power generation fleet that can be rapidly mobilised by land, sea, or air
- Technical support personnel for on-site construction supervision, commissioning and training services and maintenance support
- NPE can offer load bank packages which are as easily mobilised as our generator fleet. Our load banks are equipped with a computerised control system for full data capture of the power system under test.



NPE's QAC TwinPower™ Generator Range Dual Power, Built for Demanding Sites

Part of NPE's high-performance fleet, the QAC TwinPower™ delivers two independent generators in a single 20-foot container.

Designed for flexible operation in parallel or standalone modes, it supports both 50Hz and 60Hz frequencies with prime and standby capability.

Enhanced Capabilities:

- Smart Load Management: Built-in Power Management System optimises fuel use and reduces emissions by up to 40%
- Continuous Availability: One unit stays online during maintenance, ensuring uninterrupted power
- Rapid Deployment: Compact design with high output density - up to 1450 kVA

With proven reliability, advanced emissions control, and scalable output, NPE's QAC TwinPower™ units are powerful assets for projects that demand efficiency, resilience, and environmental responsibility - delivering consistent performance across diverse industries, reducing operational costs, and supporting sustainability goals without compromising on power.

OUR SERVICES



Borefield Pump Hire Services

NPE offers a full range of bore pump hire equipment for borefield pumping, pipeline services, and monitoring in Australia's mining, construction, and agriculture industries. We have the expertise, products, and people to provide solutions that meet your needs.

Our partnerships with recognized pump suppliers and manufacturers ensure you get quality products and parts to complete your job.

NPE provides complete Borefield Pump Hire solutions, from design and construction to installation, maintenance, operation, and decommissioning. Our borefield services include:

- Abstraction and reinjection equipment
- Installation, testing, and commissioning
- Licensed electrical services
- Complete head works packages
- Customised full system design
- Monitoring and maintenance
- HDPE pipeline and component design, supply, and installation



Pipelines & Construction

NPE provides complete solutions for design, construction, installation, and maintenance, including transport and decommissioning. We have one of the largest fleets of HDPE welding machines in Australia, featuring manual, electric hydraulic, and remote-controlled units for different pressure needs.

Our equipment includes pipe racking systems, tracstar welding machines, generators, excavators, teleporters, skid steers, and crane trucks. We are Heavy Vehicle Accredited, allowing us to transport over-length pipe deliveries. NPE can customize solutions for your project.

Assisted Evaporation Systems

NPE are Australia's assisted evaporation systems experts, providing innovative and effective assisted evaporation solutions and services to Australia's mining and construction industry. We are the largest assisted evaporation system hire supplier in Australia, with over 300 evaporation system units.

Mechanical Dewatering

State-of-the-art mobile centrifuges, hydraulic pumps and separation equipment. Our team has engineered specialised pumping and recirculation systems designed for the efficient emptying of digester. Hydraulically powered, our cutting-edge equipment is specifically built to effectively remove materials such as rags, grits and biosolids from the hazardous environments within an anaerobic digester.

OUR EQUIPMENT



Our pump rental fleet is one of the largest in the country, catering to a variety of applications in construction, civil engineering, government, and mining.

Dewatering Pumps:

Diesel: Silenced and self-priming.

Electric: Includes silenced units.

Trailer Mounted: Lightweight and road-registered, suitable for towing.

Sewer & Wastewater Pumps:

Available in diesel and electric, ideal for sewer bypass with telemetry and SMS alarms for monitoring.

Remote Pontoon & Transfer Pumps:

Expertly designed solutions for floating electric and diesel pumps.

Submersible Pumps:

Durable options for sewer bypass, construction dewatering, and mining.

High Head Pumps:

Compressor-primed for contract mining, construction dewatering, and irrigation.

Centrifugal Pumps:

Includes silenced units for construction and mining.

Bore Pumps:

Perfect for rural irrigation, mining, construction, and potable water supply.

NPE offers a comprehensive range of water treatment equipment tailored to exceed project compliance requirements through our environmental expertise.

Chemical Dosing Units (CDU): Automated pH correction systems for groundwater, customizable and available in solar-powered options.

Metal Removal Modules (MRM): Custom systems to eliminate excess iron and other heavy metals, ensuring safe discharge of groundwater.

Sandtraps and Clarifiers: Efficient systems that enhance sediment settling, suitable for flow rates up to five litres per second with remote monitoring capabilities.

Sludge Presses: Units for maximizing water recovery from liquid sludge, reducing waste and disposal costs while compact enough for standalone or integrated use.

pH Dosing Units (PDU): Compact units for precise pH control, ideal for space-restricted sites, equipped with emergency eye wash stations.

PFAS Treatment: Proven decontamination solutions utilizing a specialized filtering process for PFAS compounds and waste management.

Hydrocarbon Removal Solutions: Modular or custom-designed systems for hydrocarbon removal, particularly when PFAS is present.



PENRITH PUMP STATION UPGRADE: NPE DELIVERS ADVANCED WASTEWATER BYPASS SYSTEM

NPE has delivered a wastewater bypass system in Penrith to support major pump station upgrades with minimal service disruption. The system features two submersible pumps with soft starter control panels, integrated telemetry, and SCADA connectivity for full operational transparency.

The setup includes discharge piping, level sensors, check valves, flow meters, changeover panels, flush points, and online Muni plug isolation monitoring to ensure safe, leak-free performance. A Diesel Genset provides backup power, and automated alerts notify key personnel of rising water levels or pump activity for rapid response.

This project highlights NPE's commitment to reliable, innovative wastewater solutions, enabling Penrith to move forward confidently with its infrastructure improvements.

CRITICAL SEWER BYPASS SOLUTION WITH DUAL DIESEL PUMP SYSTEM

National Pump & Energy (NPE) supported a critical infrastructure project with a temporary sewer bypass system using two diesel pumps in duty and backup mode to ensure uninterrupted flow. Positioned near an inspection manhole, the setup included automated level control, backup activation, and a large fuel cell for extended runtime with minimal manual input.

Safety and environmental controls - such as fencing, sound mitigation, and flow isolation were implemented across the site. NPE also provided weekly inspections and 24/7 remote monitoring through its telemetry system to maintain compliance and reliability.

This project showcases NPE's capability in delivering efficient, safe, and environmentally responsible pumping solutions tailored to complex site requirements.





BOUNDARY CREEK: ADVANCED PUMPING SOLUTION

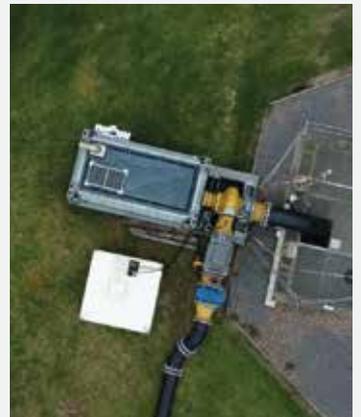
National Pump & Energy (NPE) was commissioned by the Water Corporation's Water Resource Development Team to deliver a reliable bypass pumping solution at Boundary Creek during critical rehabilitation works. The goal was to maintain uninterrupted creek flow while protecting the surrounding ecosystem.

NPE installed three high-capacity submersible pumps within custom-designed protective cages fully automated to respond to changing flow conditions. Supported by dedicated power and fuel systems, the setup ensured continuous operation. A 350-metre discharge pipeline with advanced flow control enabled efficient water management. NPE's proprietary telemetry system provided 24/7 remote monitoring and rapid response. Beyond equipment supply and installation, NPE offered full site services including daily inspections and on-call support, demonstrating its capability in complex environmentally sensitive bypass projects.

BURWOOD BEACH WASTEWATER BYPASS SOLUTION

National Pump & Energy (NPE) were engaged by regional water authorities to supply and install a 20-inch diesel-powered bypass pump to support a flushing program at the ABF Tower. The system transferred flow from a collection pit to the tower, requiring 450mm poly pipeline and delivering up to 450 litres per second at a 24-metre head.

The discharge point was located at the ABF Tower rising main, approximately 160 metres from the pump, connected via 450mm poly. To ensure operational safety, the system was configured to send automated alarm texts to a designated list of mobile numbers, including NPE personnel, in the event of high or low water levels that could lead to overflow - enabling rapid response and continuous monitoring.





ADELAIDE | BRISBANE | DARWIN | KALGOORLIE | MACKAY | MT ISA
MELBOURNE | NEWCASTLE | PERTH | PORT HEDLAND | SYDNEY

National Pump & Energy branch network is strategically positioned to service all parts of Australia. These hire branches are supported by a team of NPE representatives and field service crews so that every part of Australia has access to the best equipment and service, regardless of location.

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