

McMAHON SERVICES

*The Proven Asbestos
Remediation
Professionals*



www.mcmservices.co.nz

COMPANY OVERVIEW



We go the distance – going wherever our clients need us, to tackle the toughest jobs that few others would, or could deliver.

McMahon Services is a leading privately-owned environmental, infrastructure and building construction and services provider operating across New Zealand and Australia.

Established in 1990 by brothers David and Andrew McMahon, the business has grown from an Adelaide-based company into an award-winning contractor across the Australia Pacific Region.

With 14 offices and workshops across New Zealand and Australia, we employ over 700 staff delivering projects in capital cities, rural townships, isolated islands and in remote outback locations.

From our head office in Auckland, and support from our parent company McMahon Services Australia, we deliver projects anywhere throughout the North and South Islands.

We service local, national and international customers within the commercial, industrial, transport, utilities, resources, Defence and Government sectors. Our reputation is built on our track record of delivering high-risk projects in some of the most challenging conditions.

Our highly qualified and experienced project management and construction management teams allow for integrated multi-tiered project solutions across four service lines:

- ▶ Asbestos and Hazardous Materials
- ▶ Environmental Remediation
- ▶ Demolition and Decommissioning
- ▶ Roofing and Cladding Services

Project Delivery

Through our multi-disciplinary, multi-tiered approach, we have successfully delivered some of Australasia's largest, most complex and toughest construction projects with a combined value in excess of \$3.0 billion.

Our work spans high-volume small-scale projects to complex multi-million-dollar projects sometimes managed over disperse geographical areas. We develop long-term collaborative relationships with clients, with more than half our work being for repeat clients across all industries.

Integrated Management System

Across all projects and service lines, all projects operate under a single McMahon Services management system.

This system is certified to the Federal Safety Commission Scheme, AS/NZS 4801:2001 Occupational Health and Safety Management System, ISO 9001:2015 Quality Management System and ISO 14001:2015 Environmental Management System. This ensures a consistent and streamlined project management approach.

Plant and Equipment

Our in-house skilled and experienced personnel are supported by a significant fleet of plant, equipment, workshops and warehouses which allows us to self-perform the majority of works.

We invest heavily in new technologies and boast an \$80 million network of company-owned plant and equipment. Major plant items comprise of dozers, excavators, graders, rollers, loaders, dump trucks, batching plants, service trucks, water trucks, soil blending machines, prime movers, hook lift bin trucks, low loaders, semi tippers and cranes.



ASBESTOS & HAZARDOUS WASTE

We are industry leaders in the complete management of asbestos and hazardous waste remediation and treatment.

We have completed some of the largest asbestos removal projects ever undertaken in Australasia. We hold all required licences in New Zealand and have purchased the most all-embracing asbestos insurance cover available.

Our expert team has completed thousands of asbestos removal, hazardous materials removal and environmental decontamination projects since our beginnings.

Our industry reputation has led us to work with authorities, regulatory bodies and governments to develop approved codes of practice and work procedures surrounding the safe removal of asbestos, still in use today.

McMahon Services is a Class A asbestos removal contractor in New Zealand. Our team comprises of Class A qualified removal technicians who complete regular health monitoring programs every two years.



Museum of Technology and Transportation (MOTAT) Vehicle Asbestos Decontamination

Client	MOTAT
Value	\$0.2 million
Dates	May 2017 – August 2017

Remediation for 14 antique cars, ambulances, fire engines and construction machinery dating from the 1910s to the 1960s after they had been contaminated by asbestos particles falling from the roof where they were stored.

The project team constructed an 90m² asbestos containment structure complete with personnel decontamination facilities and water treatment.

Key to the success of the project was that the project team trained museum curator and archaeologist – who were already experts in preserving artefacts – on how to clean and remove asbestos contamination under Class A and B conditions.

Capabilities

- ▶ Commercial and industrial asbestos removal, both Class A (friable) and Class B (bonded)
- ▶ Project management of asbestos and hazardous materials
- ▶ Controlled waste, chemical and dangerous goods transportation
- ▶ Removal of asbestos-contaminated dust
- ▶ Asbestos surveys, testing and analysis
- ▶ Removal of asbestos pipe lagging and re-insulation
- ▶ Remediation of asbestos and other contaminants in soil
- ▶ Unlimited demolition licence
- ▶ Fire and flood emergency response
- ▶ Repair or encapsulation of asbestos lined walls and roofs
- ▶ Removal and transport of waste to an approved facility
- ▶ Hazardous waste removal, remediation and disposal including polychlorinated biphenyls (PCBs), mercury, lead, chemicals, hydrocarbons, mould, acid sulphate soils, radioactive waste, hexavalent chromium and biological hazards
- ▶ Hazardous materials enclosure construction
- ▶ Contaminated site investigation – sampling and identification of contaminants and risk management
- ▶ Contaminated site remediation
- ▶ Decontamination of air conditioning systems.

ASBESTOS & HAZARDOUS WASTE

Reserve Bank of New Zealand Asbestos Remediation

Client Reserve Bank of New Zealand
Value \$1.4 million
Dates September 2018 - April 2019

Decontamination and encapsulation of identified asbestos materials on levels 13 to sub-basement (14 levels in total) within The Reserve Bank of New Zealand.

Asbestos materials were identified in the base of core walls and six lift shafts, as well as residual asbestos dust located in proximity to installed asbestos materials.

All works were managed by Class A Asbestos Supervisors. Over 1400 lineal metres of central fire wall, six lift shafts, all services shafts and cabinets were decontaminated and encapsulated.



Auckland District Health Board Asbestos Removal

Client Auckland District Health Board
Value Confidential
Dates October 2019 - December 2024

Panel works to deliver emergency response asbestos decontamination works, programmed asbestos removal works, and asbestos works for major construction projects. The five-year contract covers friable and non-friable decontamination at Auckland City Hospital, the Greenlane Clinical Centre with minor works at Point Chevalier Campus.

Asbestos containing materials includes ceilings, fireproofing, floor tiles and vinyl, cement boards, mechanical gaskets, roof sheeting, downpipes, guttering and electrical switchboard mounts. All asbestos is removed under asbestos containment conditions including isolation and decontamination of affected areas, and disposal of materials at licenced receiving stations.

ENVIRONMENTAL REMEDiation

Awarding-winning environmental remediation services team capable of delivering large-scale projects.

McMahon Services provides turn-key treatment services for the environmental remediation market. Our team is comprised of doctorate level scientists and senior engineers with practical experience in managing contaminated land and hazardous waste sites.

Our extensive fleet of plant and equipment provides us with the capability to self-deliver the largest environmental remediation projects across Australia and New Zealand.

Major projects have included the remediation of ash dams, municipal waste receiving stations, contaminated urban and regional sites and Defence facilities.

Capabilities

- ▶ Active and potential acid sulphate soil management
- ▶ Contaminated soil bioremediation – biopiling, landfarming and co-composting
- ▶ Groundwater treatment and remediation – chemical oxidation, multi-phase extraction, bioremediation, chemical precipitation, air sparging, permeable reactive barriers, reverse osmosis
- ▶ Mould cleaning
- ▶ Per- and Polyfluoroalkyl Substances (PFAS) contamination treatment
- ▶ Coal seam gas drilling mud treatment
- ▶ Radioactive material management
- ▶ Capping, hydroseeding and revegetation
- ▶ Asbestos, lead and arsenic impacted soils treatment and removal.

We work with environmental consultants to trial scalable treatment options, since the treatment of contaminated soils, water, vapours and industrial waste is not always straightforward and requires the application of techniques tailored to each site.

The success of our environmental remediation projects has been recognised by numerous industry awards.

Augusta Power Station Ash Dam Remediation

Client	Flinders Power
Value	Confidential
Dates	October 2016 – August 2017

Three stage environmental remediation project. The first stage required covering the Ash Dam with a liquid dust suppressant that forms a strong, flexible and long acting surface coating, penetrating and binding the surface of ash. Suppressant was distributed across the dam using an Air Tractor 802 single engine agricultural aircraft using coloured dye to indicate areas covered.

The second stage required covering the Ash Dam with 150mm of soil-clay blend material distributed via dozers and dump trucks building fingers across the dam. A light weight PistenBully snowplough was used to fill all other areas where the Dozers and Dump Trucks would sink. Over 650,000m³ of earthworks was delivered.

Final stage is seeding of the soil clay cover with grasses, arid and semi-arid flowering plants and non-woody stem flowering plants.



ROOFING & CLADDING SERVICES

We undertake all aspects of industrial and commercial roofing projects in metropolitan and remote locations.

McMahon Services offers all aspects of roofing and cladding construction, maintenance and repair works. Our expertise includes new roof and cladding construction, roof and wall cladding replacements, heritage works, design and construct of roofing and cladding systems, suspended ceiling systems and acoustic linings.

Our industry experience includes Defence, health, commercial, institutional and educational sectors. Operating in rural, remote and regional areas, we have installed well over a quarter of a million square meters of roofing across Australasia.

Our Roofing and Cladding division is equipped with elevated working platforms and mechanical lifting equipment including tracked super deck, lifters, knuckle boom, electric scissor lifts and a wide variety of cranes. We self-perform all works with our own qualified and experienced workforce.

We can safely install roofing and cladding on both greenfield and brownfield construction sites and adjacent to operational industrial plants and occupied buildings.



Rail Facility Asbestos Remediation Project Stages 2 and 3

Client	Downer EDI
Value	\$2.5 million
Dates	November 2017 – April 2018

Remediation of asbestos and associated contamination at the Downer Rail Facility on Carlton Parade in Port Augusta, South Australia.

Over 8,910m² of roofing was replaced equating to 142t of asbestos containing materials remediated. All asbestos containing materials were encapsulating in protective 200µm plastic sheeting and were then trucked to EPA licenced asbestos receiving stations. 2,600m² of wonder glass sheeting was installed in 18 bays to provide natural lighting to the interior.

The project team faced various challenges during the works including working over operational and electrified rail, working on steep saw-tooth roof configurations and working in strong winds blowing off the nearby Spencer Gulf Ocean.

Capabilities

- ▶ Design and construction of roofing and cladding systems
- ▶ External and internal wall cladding
- ▶ Suspended ceiling systems and acoustic linings
- ▶ Internal and external installation of gutter systems including eaves gutters, box gutters, rain heads, and downpipes
- ▶ Heritage works including lead works and soldering of galvanised steel and copper
- ▶ Veranda and pergola construction including kit form products
- ▶ Roofing and wall cladding replacement
- ▶ Asbestos roof remediation and replacement
- ▶ Maintenance works – roof leaks, cleaning of gutters and downpipes, scheduled maintenance programs, skylight replacement, roof sheet, wall cladding, gutter and downpipe repairs
- ▶ 24/7 emergency response and insurance work.

DEMOLITION & DECOMMISSIONING

Leaders in safe, efficient and innovative demolition and decommissioning services.

McMahon Services operates the largest privately-owned industrial demolition fleet in the Southern Hemisphere having delivered over 3,000 demolition and decommissioning projects averaging 95% recycling of materials. For three decades McMahon Services has been a leading provider of demolition and decommissioning services. Internationally we are recognised as one of the world's top twenty demolition companies.

Our expertise covers all markets from small residential demolitions with around 100m³ of materials moved to the largest industrial demolition projects moving 100,000m³ or more of material including steel, concrete, bricks, timber, asbestos and other hazardous waste, vegetation, soils, and everything in between.

We have demolished and decommissioned industrial and commercial infrastructure in some of the toughest conditions including remote locations, isolated islands, geographically disperse worksites, extreme climatic conditions and in restricted access urban environments.

Capabilities

- ▶ Demolition and decommissioning of obsolete industrial and commercial sites
- ▶ Multi-level and high-rise demolition
- ▶ Internal demolition, refurbishment and structural modifications
- ▶ Explosive charge felling solutions
- ▶ Housing and residential demolition
- ▶ Vessel dismantles and disposal
- ▶ Emergency response demolition
- ▶ Mine site decommissioning
- ▶ Total or partial demolition of buildings and structures erected by tilt-up construction
- ▶ Heritage works and partial demolition of buildings and structures, including the removal of brittle or fragile roof material
- ▶ High-risk crane and rigging deconstruction projects
- ▶ Engineered structural modifications and propping
- ▶ Recycling and resource recovery
- ▶ Dust, debris, noise, odour and vibration monitoring and control
- ▶ Removal, decontamination and remediation of hazardous materials including asbestos, lead, mercury, polychlorinated biphenyls (PCBs) and radioactive material.

Our demolition expertise includes asbestos demolition, fuel storage tanks, multi-level buildings, substations, electrical transformers, rail, sleeper and ballast, ship loaders, primary crushers, conveyor belts, commercial and industrial buildings, Defence facilities, airside and non-airside airport works, port and marine facilities, sporting stadiums, bridges, naval vessels and chimney stacks.

We have New Zealand demolition and asbestos removal licences, are proficient in working within the requirements of WorkSafe New Zealand and the Environmental Protection Authority. Many of our projects include provisions of material recycling and reuse, where we have achieved recycling targets of up to 98% on many sites, and an average of 95% across all projects.



Lubes Terminal Demolition - Stage 1

Client	Oil Industry Leader
Value	Confidential
Dates	October 2017 - February 2018

An oil industry leading company required demolition, asbestos and hazardous waste remediation and scrap metal services for nominated structures within an operational petrochemical terminal in the North Island of New Zealand.

Scope of works included the removal and remediation of ten aboveground storage tanks, buildings and associated pipe work, the removal of hydrocarbons and asbestos removal and appropriate treatment which included galbestos, gaskets and cement sheeting.

Works were undertaken adjacent to operating terminal facilities requiring stringent adherence to the client's loss prevention system and clear delineation of demolition zones from operational zones.

OUR SPECIALISED TEAM

In 2018 McMahon Services opened our first New Zealand office and associated warehouse in Auckland.

The opportunity to expand our growing operations in New Zealand began in 2017 when McMahon Services were approached to provide asbestos remediation solutions for contaminated historical vehicles, at Auckland's Museum of Technology and Transport (MOTAT).

The project gathered local interest and soon McMahon Services were approached by various consulting firms with an interest in servicing the growing remediation market and utilising McMahon Services as an industry partner.

Our Auckland operations are managed by three veterans of the asbestos and roofing and cladding industries, and one new employee who has 25 years' experience in the commercial and residential property industries.

John Flavel is our New Zealand National Manager bringing over 30 years of experience in the construction, asbestos and waste remediation industries to the role. Since 1993 John has overseen the Asbestos Removal and Hazardous Waste Division of McMahon Services, delivering hazardous material abatement services for Federal and State Government and clients in the health, industrial, commercial, Defence and mining sectors, in all states and territories of Australia and on remote island nations across the Pacific Ocean.

Tony Woods, Construction Manager for McMahon Services' Asbestos and Hazardous Waste division has relocated on a temporary basis to Auckland to establish the office and take on a business development role locally. Tony brings his extensive Australian experience in asbestos removal and abatement works to the New Zealand market.

Supporting Tony is Robert Tester, with over 45 years of experience in the asbestos remediation, building and roofing industries. Transitioning from his role as Roofing and Cladding Manager in South Australia - where Robert has delivered more than a quarter of a million square meters of roofing — Robert has taken up an operational role across New Zealand.

Tim Boys, a New Zealand local, has more than 25 years' professional experience in the commercial and residential property industries. Tim is an experienced Senior Project Manager, with experience in the design and management of demolition and remediation projects. With proven success in meeting strategic deadlines, team leadership and motivation, operational planning, assessment and analysis reporting he brings a wealth of knowledge to the team.

Our contributions to the local asbestos industry have already been recognised by New Zealand Demolition and Asbestos Association (NZDAA). During the 2018 Demolition and Asbestos Awards McMahon Services was presented with an award for the category 'Asbestos or Demolition Best Practice Project under \$1 million', for the Auckland Museum of Technology and Transport (MOTAT) project.

McMahon Services New Zealand is initially concentrating on industry sectors where there is a demand for new and experienced operators. Service offerings include asbestos and hazardous waste remediation, environmental remediation, demolition and decommissioning, and roofing and cladding.

Today we employ over 15 full time people, supported by over 80 specialist professionals from our Head Office.



From left to right; John Flavel - National Manager, Tony Woods - Business Development Manager, David McMahon - Managing Director and Tim Boys - Project Manager, proudly opening the McMahon Services New Zealand office.



John Flavel



Tony Woods



Rob Tester



Tim Boys



OUR DIFFERENCE

We offer a one-stop solution for environmental, infrastructure and building services

With offices across New Zealand and Australia and a dedicated in-house workforce, we service clients no matter the location or job size. We continue to build on our strong reputation through the on-going expansion of our skills and investment in new technologies to ensure value for money, efficiency and timely outcomes for our clients.

We thrive on challenges

Our strong reputation is built on exceptional experience and an enviable project track record. Our willingness to be innovative and bold and tackle difficult, high risk projects to an exceptional standard continues to set new benchmarks.

We excel in high risk environments

Our team is highly trained and skilled in undertaking high risk projects, including the removal and disposal of asbestos, hazardous waste, PCBs and radioactive waste, as well as high reach and multi-storey demolition, managing and implementing explosives, and working at heights.

Our strong commitment to safety is reflected by our Federal Safety Accreditation, awarded in 2009. We also hold third party accreditation to AS/NZS ISO 9001:2015 (Quality Management Systems), AS/NZS ISO 14001:2015 (Environmental Management Systems) and AS/NZS 4801:2001 (Occupational Health and Safety Management Systems).

We work with our clients right from the feasibility stage of a project to help formulate a project plan and are known for our ability to manage and eliminate risks throughout the project cycle. We provide practical solutions for unexpected developments whilst minimising project delays and ensuring cost and operational efficiencies.



We have the best tools for the job

McMahon Services continually invests in new technologies and boasts an impressive fleet of modern plant and equipment. In addition to our \$80 million network, McMahon Services has a full fabrication workshop dedicated to the development and advancement of custom-made equipment and extensive warehousing and maintenance facilities.

We have a culture of innovation

We are at the forefront of delivering new techniques and methods to minimise the overall cost of our activities and provide practical approaches to ensure safe and efficient results. McMahon Services actively encourages and supports new initiatives that contribute to innovation, productivity improvements, staff development, safety, environmental and community best practice.

We offer a diverse range of construction services, enhanced by our specialist teams to find efficient and cost effective solutions to suit our clients' needs.

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