



NMG Environment Charter

QUDOS - 101753

Environment & Sustainability

NMG are committed to reducing the impact of our environmental footprint while continuing to deliver consistent and optimal logistics solutions for our clients.

NMG has a multitude of operations all over Australia, including:

- General (Office environments)
- Concrete (Production and delivery)
- Transport (Line haul, local, gas and oil rig moves)
- Quarry (Supply and delivery)
- Engineering/Manufacturing (Panel beating, welding, spray painting, etc.)
- Property Development (Construction of new housing estates and landscaping)

As a leader in these sectors, NMG is determined to play its part in responsibly meeting the current needs of our communities without compromising the ability of future generations to meet their own needs.

We see environmental sustainability as a company responsibility in the investment of Earth's future.

Reducing our footprint

A greater understanding of the improvements and training in technology provides us with opportunities to improve operations and minimise our environmental impacts in a smarter and more sustainable way.

Neil Mansell is achieving this is through the application of practices to reduce our consumption of non-renewable resources e.g. diesel, ensuring workplace participants follow the reuse, recycle operation wherever possible to reduce its greenhouse gas emissions and our carbon footprint through utilisation of most current engine technology.

NMG is continually searching and employing new ways to improve and adapt resources as soon as they become available

As NMG is ever-growing, it plays a significant role in working with stakeholders to develop smarter, more sustainable solutions to further reduce, among other things, our carbon footprints.

Moving to sustainable environmental practices is a journey for all of us, and NMG strives to achieve this in all areas of its operations.

Towards a greener future

NMG responds to the key impacts our operations have on the environment, including the impact of climate change on our business and energy use.

NMG continually works towards reducing our footprint intensities by developing practices and procedures for its diverse operations to improve environmental performance. NMG prides itself on following procedures to ensure our footprint is substantially reduced, such as water usage, resource consumption, land emissions, air/noise emissions, and are continually focusing on our environmental footprint within all operations.



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Water Usage

- Kept to a minimum (taps turned off, leaks repaired)
- Environmental awareness training
- Signage to highlight water saving potential
- Water metering/reporting
- Water recycling facilities (Truck wash etc.)
- Dedicated washing areas
- Water separator for removal of contaminants as per requirements
- Water sampling

Resource Consumption

- Ensure consumables are from renewable sources
- Ensure recycling facilities are available
- Review packaging and waste products
- Double-sided printing encouraged
- Printer cartridges recycled
- Shredding and reuse of old documentation

Land Emissions

- Chemicals stored and disposed of as per legislation
- Provision of chemical spill kits
- Decanting labelling procedures
- Spill procedure and training
- Waste management procedures
- Procure biodegradable and non-hazardous products
- Procedure for disposal of contaminated waste with licensed contractors
- Asbestos management plans/register
- Work permit systems and processes
- Settlement ponds for containment and water separation
- Excess concrete sent to recycling facilities
- Pre-qualification activities before works commence begin with relevant authorities
- Blast medium recycled and risk assessed
- Use of dedicated spraying booths
- Regular maintenance of equipment
- Bins and skips available with frequent emptying – waste is segregated

Air/Noise Emissions

- Scheduled maintenance
- Isolation of noise emitting plants
- Communication and consultation with neighbouring residents
- Noise monitoring assessment
- Noise consideration on purchase of new equipment
- Use of water tankers to water aggregate/sand/ dust suppression
- Covering of stockpiles
- Use of spray booths
- Pre-start checks of hoses



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- Fitment of flashback arrestors
- Filtering systems for spray booths – regular cleaning, replacing and disposal as per regulations

Transport

- Latest engine technology
- Travel management plans
- Monitor mileage and fuel consumption
- Equipment with latest technology purchased – also lighter
- Scheduled maintenance
- Driver training/awareness
- IVMS tracking
- Wash down procedures
- Fatigue management plans
- Use of drip trays/containment devices
- Waste products collected and disposed as per regulations
- Awareness of cultural and environment sensitivity
- Liaison in regards to road access

NMG also liaises with other companies to collaborate and develop further solutions to reduce our emissions. NMG consistently drives its journey towards addressing the key environmental risks and opportunities that face the company in all operations.

Company Initiatives

NMG adheres to the following initiatives to ensure a greener future:

Driving

Our experience shows that driver behaviour can substantially affect vehicle fuel economy and emissions. With driver training, it is anticipated that with ideal engine revolutions and the minimisation of idling behaviour, breaking and gear changes, fuel efficiency can be increased and the associated emissions decreased by up to 15%.

To plan greater fuel efficiency, NMG has identified a number of new and evolving technologies that to improve our fleets and, at the same time, reduce emissions. These include:

- Improved engine efficiency management systems
- Vehicle aerodynamics
- Use of low friction tyres
- NHVAS Maintenance Management Program
- Use of lightweight materials
- Driver training
- Anti-slosh tankers
- IVMS technology
- Speed limiters



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Energy

Reliance on fossil fuels such as diesel and the demand picture for a finite resource is driving NMG to engage advanced technology and updated equipment as part of the company initiative.

As part of our longer term energy mix for all of our operations, we're actively researching and trialling a range of options including:

- Advanced technology
- Solar
- Ad Blue
- Design equipment

Planning

NMG have introduced updated technology to improve our footprint on the Earth's surface emissions through smarter logistics planning. This is possible through:

- IVMS Tracking
- Engaging night shift moves of rig equipment
- managing freight movements to ensure vehicles are on the road and operating in less time
- Load designing and restraining of freight to enable more freight on less vehicles
- delivery optimisation to maximise load configuration and route planning including:
 - improving vehicle capacity and utilisation
 - network and route optimisation to reduce kilometres travelled
 - night-time freight movements to reduce congestion
 - working with our customers to streamline their supply chains