



JUGGERNAUT

INDUSTRIES LTD

Diamond Drilling HSE Policy

1. Policy Statement

Juggernaut Industries Ltd is committed to conducting all diamond drilling operations in a manner that protects the health and safety of our employees, contractors, clients, communities, and the environment. We recognise that drilling activities—whether surface or underground—present inherent risks, and we therefore apply internationally recognised HSE standards to eliminate hazards, prevent incidents, and minimise environmental impact.

Our goal is Zero Harm: zero injuries, zero occupational illnesses, zero environmental incidents, and zero damage to property or reputation.

2. Scope

This policy applies to:

- All employees, contractors, and visitors at any Juggernaut Industries Ltd worksite
- All diamond drilling operations including exploration drilling, core recovery, geotechnical drilling, and associated support activities
- All equipment, vehicles, and machinery used in drilling operations
- All project phases: mobilisation, drilling, demobilisation, and rehabilitation

3. HSE Objectives

We commit to:

- Preventing workplace injuries, illnesses, and fatalities

- Ensuring safe operation of drilling rigs, tools, and support equipment
- Protecting groundwater, soil, vegetation, wildlife, and air quality
- Complying with all applicable national laws, client requirements, and international standards
- Reducing waste, emissions, and environmental footprint
- Promoting a culture of safety leadership and accountability

4. Leadership Responsibilities

4.1 Senior Management

- Provide resources, training, and competent personnel to implement this policy
- Ensure compliance with ISO 45001 and ISO 14001 principles
- Conduct regular HSE performance reviews and audits
- Lead by example and reinforce a culture of safety

4.2 Supervisors & Site Managers

- Conduct daily toolbox talks and pre-shift risk assessments
- Enforce safe work procedures and permit-to-work systems
- Ensure equipment is inspected, maintained, and fit for purpose
- Stop any unsafe work immediately

4.3 Employees & Contractors

- Follow all HSE rules, procedures, and instructions
- Use required PPE at all times
- Report hazards, near misses, and incidents immediately
- Refuse unsafe work without fear of retaliation

5. Risk Management

We apply a systematic risk management process:

- Hazard Identification: geological hazards, rotating equipment, high-pressure systems, noise, vibration, chemicals, slips/trips, wildlife, weather, and vehicle movement
- Risk Assessment: using recognised risk matrices
- Control Measures: engineering controls, administrative controls, PPE
- Continuous Monitoring: inspections, audits, and corrective actions

Special emphasis is placed on:

- Rod handling and rotating equipment
- High-pressure water pumps and hydraulic systems
- Core retrieval and handling
- Manual handling and ergonomics
- Working at heights and in confined spaces
- Underground ventilation and ground stability

6. Safe Work Practices

6.1 Drilling Operations

- Only trained and authorised personnel may operate drilling rigs
- Lock-out/Tag-out (LOTO) procedures must be followed during maintenance
- Guards and safety devices must never be bypassed
- Rod handling must follow approved mechanical or semi-mechanical systems

6.2 Equipment & Machinery

- Daily pre-use inspections are mandatory
- Defective equipment must be tagged out and removed from service
- Maintenance must follow manufacturer specifications

6.3 Chemical & Fuel Handling

- Proper storage, labelling, and spill containment
- Use of MSDS/SDS for all chemicals
- Immediate reporting and cleanup of spills

6.4 Vehicle & Transportation Safety

- Defensive driving principles
- Seatbelts mandatory
- Speed limits enforced
- Fatigue management for long-distance travel

7. Environmental Protection

We commit to minimising environmental impact through:

- Proper management of drilling fluids, cuttings, and wastewater
- Prevention of groundwater contamination

- Use of biodegradable drilling additives where possible
- Noise and dust control measures
- Waste segregation, recycling, and responsible disposal
- Site rehabilitation after drilling completion

8. Emergency Preparedness & Response

- Emergency Response Plans (ERP) must be in place for each site
- All personnel must be trained in emergency procedures
- First aid kits, fire extinguishers, and spill kits must be available and inspected
- Drills conducted regularly (fire, spill, medical, evacuation)

9. Incident Reporting & Investigation

- All incidents, near misses, and unsafe conditions must be reported immediately
- Investigations must identify root causes and corrective actions
- Lessons learned must be shared across all operations
- Data must be recorded and analysed for trends

10. Training & Competency

- Mandatory induction for all personnel
- Job-specific training for drillers, offsidiers, mechanics, and supervisors
- Regular refresher training on HSE procedures
- Verification of competency (VOC) for critical tasks

11. Personal Protective Equipment (PPE)

Minimum PPE requirements:

- Hard hat
- Safety boots
- High-visibility clothing
- Safety glasses
- Gloves suitable for the task
- Hearing protection
- Respiratory protection where required

12. Health & Wellbeing

- Fitness-for-duty assessments
- Fatigue and stress management
- Alcohol and drug testing
- Access to medical support and first aid

13. Community & Stakeholder Engagement

- Respect for local communities and cultural heritage
- Minimising noise, dust, and traffic impacts
- Transparent communication with landowners and regulators

14. Continuous Improvement

- Regular HSE audits and inspections
- Monitoring KPIs such as LTIFR, TRIFR, environmental incidents
- Implementing corrective and preventive actions
- Encouraging employee feedback and innovation

15. Policy Review

This policy will be reviewed annually or whenever significant operational or regulatory changes occur.

16. Commitment

Juggernaut Industries Ltd is fully committed to maintaining the highest standards of health, safety, and environmental performance in all diamond drilling operations. Every individual has the authority and responsibility to stop unsafe work and contribute to a safe and sustainable workplace.