



Advanced Projects

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Reg. No: 1999/05550/1/23
VAT No: 4300184993

Environmental Policy

1. Policy Statement

Advanced Projects and Cleaning Services cc is committed to conducting its high-pressure water jetting operations in a manner that protects the environment, prevents pollution, and ensures the health and safety of its employees, clients, and the public. We recognize our responsibility to minimize our environmental footprint and comply with all applicable South African environmental legislation, including the Occupational Health and Safety Act 85 of 1993, the National Water Act 36 of 1998, and relevant municipal bylaws.

2. Scope

This policy applies to all high-pressure water jetting activities undertaken by Advanced Projects and Cleaning Services cc, in industrial areas, encompassing all employees, contractors, equipment, and processes involved in these operations.

3. Objectives

Our environmental objectives for high-pressure water jetting operations are to:

- **Comply with Legal Requirements:** Ensure full compliance with all relevant environmental laws, regulations, permits, and industry standards, including those related to water use, discharge, waste management, and noise pollution.
- **Prevent Pollution:** Proactively identify and implement measures to prevent pollution of water resources, soil, and air.
- **Minimize Water Consumption:** Optimize water usage during jetting operations through efficient equipment and practices.
- **Responsible Waste Management:** Implement effective strategies for the collection, treatment, and disposal of all waste generated.
- **Reduce Noise and Emissions:** Minimize noise pollution and air emissions associated with high-pressure jetting equipment.
- **Promote Environmental Awareness:** Foster a culture of environmental responsibility among all employees and contractors.

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- **Continuous Improvement:** Regularly review and improve our environmental performance and management systems.

4. Responsibilities

4.1. Management:

- Provide the necessary resources, financial, human, technological for effective environmental management.
- Ensure that this policy is communicated, understood, and implemented throughout the company.
- Establish clear environmental objectives and targets.
- Regularly review the effectiveness of the environmental management system.
- Ensure compliance with all legal requirements and obtaining necessary permits.

4.2. Supervisors/Team Leaders:

- Implement environmental procedures and ensure their adherence by all team members.
- Conduct regular environmental inspections of work sites.
- Provide environmental training and awareness to their teams.
- Report environmental incidents and non-conformances promptly.

4.3. Employees and Contractors:

- Adhere to all environmental policies, procedures, and instructions.
- Take all reasonable care to prevent environmental damage and pollution.
- Report any environmental hazards, incidents, or non-conformances to their supervisor immediately.
- Participate in environmental training and awareness programs.

5. Environmental Management Principles and Practices

5.1. Planning and Risk Assessment:

- **Environmental Impact Assessment (EIA) / Risk Assessment:** Prior to commencing any significant jetting project, conduct a comprehensive environmental risk assessment to identify potential environmental impacts e.g., water pollution, soil contamination, noise, waste generation and determine appropriate control measures.
- **Permitting and Licensing:** Identify and obtain all necessary permits and licenses for water abstraction, wastewater discharge, and waste disposal from relevant authorities e.g., Department of Water and Sanitation, local municipalities.

5.2. Water Management:

- **Water Sourcing:** Utilize water from approved sources and ensure efficient water usage.
- **Wastewater Containment and Collection:**

- Implement effective containment measures e.g., berms, inflatable drain plugs, vacuum systems to prevent wastewater runoff into storm drains, natural water bodies, or permeable ground.
- Collect all wastewater generated during jetting operations where possible or practical.
- **Wastewater Treatment and Disposal:**
- Assess the contaminants in the collected wastewater e.g., oils, greases, chemicals, heavy metals, suspended solids.
- Treat wastewater on-site to meet discharge standards or transport it to an approved off-site treatment facility for proper disposal.
- Comply strictly with the National Water Act's General Authorisations for wastewater discharge or specific Water Use Licenses, ensuring discharged water quality meets specified limits (e.g., pH, suspended solids, oils, and greases).
- Avoid discharge of hot water into sensitive aquatic environments without proper cooling.
- **Water Recycling:** Investigate and implement water recycling systems where feasible to reduce freshwater consumption.

5.3. Chemical and Detergent Management:

- **Selection of Cleaning Agents:** Prioritize the use of environmentally friendly, biodegradable, and non-toxic cleaning agents. Avoid harsh chemicals where possible.
- **Storage and Handling:** Store chemicals and detergents safely, in designated, bunded areas, to prevent spills and contamination.
- **Spill Prevention and Response:** Develop and implement spill prevention plans and emergency response procedures for chemical spills. Ensure spill kits are readily available, and personnel are trained in their use.

5.4. Waste Management:

- **Waste Segregation:** Segregate different types of waste generated e.g., solid debris, contaminated sludges, spent absorbents, general waste for appropriate disposal.
- **Disposal:** Dispose of all waste at licensed and approved waste disposal facilities in accordance with national and local regulations. Maintain records of waste disposal.
- **Recycling:** Explore opportunities for recycling materials wherever possible.

5.5. Noise and Air Quality Management:

Noise Reduction:

- Utilize quieter high-pressure jetting equipment where available.
- Implement noise reduction measures such as sound barriers or enclosures, especially in noise-sensitive areas.
- Schedule operations to minimize disturbance to surrounding communities.
- Provide appropriate hearing protection (PPE) to employees.

Air Emissions:

- Ensure all equipment is well-maintained to minimize exhaust emissions.

- Consider the use of equipment powered by cleaner energy sources where practicable.
- Address volatile organic compounds (VOCs) if any specific cleaning agents release them.

5.6. Equipment Maintenance and Safety:

- **Regular Maintenance:** Implement a robust preventive maintenance program for all high-pressure jetting equipment to ensure optimal performance, reduce leaks, and minimize environmental impact.
- **Operator Training:** Ensure all operators are adequately trained in safe operating procedures, environmental protection measures, and emergency response.
- **Personal Protective Equipment (PPE):** Provide and ensure the correct use of appropriate PPE, including hearing protection, eye protection, and protective clothing, to minimize exposure to hazards.

5.7. Emergency Preparedness and Response:

- Develop and regularly review emergency response plans for environmental incidents such as chemical spills, uncontrolled discharges, or equipment malfunctions.
- Conduct drills and training to ensure personnel are proficient in emergency response procedures.
- Establish clear communication protocols for reporting environmental emergencies to relevant authorities and stakeholders.

6. Monitoring and Measurement

- Regularly monitor key environmental parameters, including wastewater quality, water consumption, and waste generation.
- Maintain accurate records of all environmental monitoring data, permits, and disposal certificates.
- Conduct periodic internal and external audits to assess compliance with this policy and relevant regulations.

7. Review and Continual Improvement

This environmental policy will be reviewed at least annually, or more frequently as required, to ensure its continued relevance, effectiveness, and compliance with evolving legislation and best practices. The review process will consider audit findings, incident reports, legislative changes, and stakeholder feedback to identify opportunities for continual improvement in our environmental performance.

Signed at: _____ Date: _____ Name:

Designation: **Chief Executive Officer/ MD - Sect 16 (1)**

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