

SUPPLIER TRAINING – KRIEL ENVIRONMENTAL MANAGEMENT REQUIREMENTS



GENERIC ENVIRONMENTAL MANAGEMENT REQUIREMENTS

- Environmental Policy & Proof of communication with project team
- Environmental Aspect & Impact Register
- Environmental Management Plan
- Operational Procedure/ Method Statement

- Eskom as an organization has a zero harm approach towards the environment >>>>> this basically mean that activities undertaken within Eskom sites apply duty of towards the environment.
- The environmental policy reflect an organization's commitment towards environment management.
- This policy should demonstrate your organization(top management)'s commitment to comply with legal and other requirements, prevent pollution and continually improve.
- In a policy you can add various commitments in accordance to the nature and scale of you operational activities.

Policy Communication:

- Environmental policy is not a paper exercise, you need to communicate it with project team and proof of communication should also be attached as a returnable.

EXAMPLE OF ENVIRONMENTAL POLICY- KRIEL POLICY

Policy Statement

Kriel Power Station is committed to continually implement an Environmental Management System to ensure effective management of the environmental aspects which arises from its activities, products and services. The focal point for Kriel Power Station's Environmental Management System remains the prevention of environmental pollution and degradation; to continually improve environmental performance and to comply with all applicable legal and other requirements to which it subscribes.

To implement these commitments, we will:

- Establish, implement and maintain an Environmental Management System that is consistent with the framework as described in ISO14001:2004 Standard;
- Set and review environmental objectives and targets for all significant aspects and develop appropriate environmental management programmes to achieve them;
- Contribute towards environmental sustainability by effectively managing our activities in such a way that we continually minimize our impacts on the receiving environment;
- Set performance indicators which will be reviewed regularly to measure our environmental performance;
- Provide necessary training and awareness to our employees and contractors using identified significant aspects as a baseline for training determination. Use various platforms across the station to communicate environmental information and promote sharing of environmental topics across the station using toolbox talks and other platforms;
- Always strive to achieve Zero Harm to the environment by preventing pollution wherever practical, pursuing a low-carbon future and prioritizing energy and water efficiency and conservation;
- Communicate Environmental Policy to persons working for and on behalf of Kriel Power Station;
- Make this Environmental Policy available to the public upon request; and
- Provide the resources necessary to achieve sound environmental management.

2. Environmental Aspects & Impacts Register

- **Environmental Aspects** simply refers to the element of your organization's activity, products or service which may interact with the environment
Example: If your activity is to repair vehicle on site >>>> you may potentially experience oil spillages as an aspect.
- **Environmental Impacts** refers to any change to the environment, whether adverse or beneficial, wholly or partially resulting from an organization's environmental aspect.
Example: If the spillage can occur >>>>> it can potentially pollute land and surface water which is then an environmental impact.
- Environmental Aspect & Impact Register is then similar as a "risk assessment" >>>>> you simply identify activities which may arise from the activity you are tendering for >>>>> then identify environmental aspects/hazards which may arise >>>>> and the environmental impact/risk which may also arise.
- After identifying the potential impacts, then determine the significance of the impact/risk using your own rating justified method.

Example of Aspect & Impact Register



Aspect Source (i.e. Activities, Products & Services)	Environmental Aspect/ Hazard	Impact / Risk	Severity Y-axis	Probability X-axis	Raw risk estimation
Draining of oil	Potential for leaks or spills	Water pollution	F	L	M
Replacing of conveyor belts	Potential incorrect disposal of such waste	Land pollution	F	L	M
Control of invasive plants	Over application of herbicide/ chemicals	Land & Water Pollution	E	K	A

3. ENVIRONMENTAL MANAGEMENT PLAN/PROGRAMME

- Environmental Management Plan (EMP) is a very important operational control tool we use to ensure compliance.
- Based on you identified aspects and impacts, you need to develop a plan on how you will be managing those impacts.
- The environmental management plan should include the following:
 - activity which may cause the aspect,
 - the potential impact,
 - control or mitigation measures to manage the impact
 - personnel responsible for implementation of controls measures
 - Target or frequency of implementing the control/mitigation measures

EXAMPLE OF EMP

- Workshop equipment, maintenance and storage

Activity/Aspect: Potential for inadequate containment of hazardous substances spills

Potential Impacts: Ground and surface water pollution, soil pollution

- When servicing equipment, drip trays shall be used to collect the waste oil and other lubricants. Drip trays shall also be provided in areas where there are stationary plant (such as compressors) and for "parked" plant (such as scrapers, loaders, vehicles).
- All vehicles and equipment shall be kept in good working order and serviced regularly.
- Leaking equipment shall be repaired immediately.
- All washing of the vehicles shall be undertaken in the workshop or maintenance areas, and these areas must be equipped with a suitable impermeable floor and sump/oil trap.



4. Method Statements/Operational Control Procedure

Method Statement:

- A method statement simply refers to a statement explaining a method which is going to be used to manage certain environmental aspect of the activity.
- Method statement are usually requested when the activity to be performed is environmental sensitive and requires a very strict execution.
- The critical importance of a method statement is that it should clearly explain step by step procedure which will be used execute the task.

Example: Dust control method statement must indicated all steps to be applied to control dust which may include method of suppressing, frequency of suppressing, monitoring of dust fall-out, etc.

Operational Control Procedure:

- An operational control is also developed to ensure that activities are effectively managed e.g. procedure for removing radio-active material.