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Identification of Environmental Aspects and Evaluation of Associated Impacts

1.0 Purpose

To determine the environmental aspects with establish, monitoring and control the significant Environmental impacts that posses negative or positive influence on the environment, worker or public safety .These impact associated with their current and relevant past activities, products or that are taken into account insetting the Environmental objectives of organization policy.

2.0 Scope

The scope of this procedure covers only the NBC plant activities, (manufacturing) that may or does influence the Environment in the following fields:

- Air Emissions
- Solid and Hazardous Wastes
- Contamination of Land
- Local Issues (e.g. noise, odor, dust, traffic, etc.)
- Water Discharges
- Energy Use
- Raw Material and Resource Use (water, energy, etc.)
- Hazardous Material Storage and Handling

3.0 Responsibility :

Environmental Coordinator:

- Identify and evaluate changes to Environmental Law.
- Call the Environmental team for meeting and up date all team members.

Environmental Team:

- Participate in the meeting.
- Identify and evaluate and aspects and impacts to the environment
- Observe and evaluate all changes
- Take responsible actions with respect to individual s fields.

NBC Management:

- Providing necessary support
- Commit to change

Department Manager:

- Participate in the implementation phase

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- Committee to changes

4.0 Definition :

Environmental Aspect :

An element of an organization s activity, product or service which can have a beneficial or adverse impact on environment.

Environmental Impact:

The change which take place in the environment.

Environment Objectives:

The general environmental goals of organization that is measurable and defined in Documented Environmental policy

5.0 Method :

- 5.1 Select the **activities, products and services** of NBC.
- 5.2 Identify **Environmental aspects** as possible associated with the selected activity, product or service.(Ref. EP-T-03)
- 5.3 Identify positive or negative influence on Environment, **Environmental Impacts** as possible associated with each identified aspect. (Ref. EP-T-03)
- 5.4 Below is the methodology shall be taken in consideration for the risk evaluation

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- **Frequency**

Score	Definition
1	Unlikely , theoretical possible but not happened within 10 years
2	Possible , happened with 2 years
3	Likely , happened within six months
4	Certain , happened daily

- **Severity :**

Score	Definition
1	Harmless / Mild Impact - Little or no potential for harm
2	Moderate – Slightly harmful
3	Serious – Harmful, but not potentially fatal to plants / living beings
4	Severe / Catastrophic – Very harmful and/or Potentially fatal

- **Legislation:**

Score	Definition
1	No relevant legislation
2	Complies with legislation
3	Potential Breach / lack of awareness
4	Breaching legislation

- **Duration :**

Score	Definition
1	Short term Impact - Impact can be corrected within the same day / within a week.
2	Medium term impact - Impact can be corrected in about 3 – 12 months; Impact correctable
3	Long term impact – Impact difficult to correct; may take between 1 to 3 years for rectification
4	Irreversible Impact – Controllable but not correctable; rectification may take more than 3 years

- **Control :**

Score	Definition
1	Full control / no need for control
2	Moderate control
3	Limited / Minor control
4	No Controls

Risk rating = frequency + severity + legislation + duration + control ; if total rating ≥ 15 then the risk is significant , below will be insignificant

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6.0 Corrective Action

Any Deviation to the standard, it must be referred to Environment Team Members and Corrective action Plan must be written & Action Take place.

7.0 Training

Task	Responsibilities	Competency
Identification Env. Aspects	Environment Coordinator	Fully Competent
Identification Env. Aspects	Environment Team Member	Competent
Awareness of environment Aspect	All Employees	Basic Knowledge

8.0 References

ISO 14001
 All NBC Q.S Manuals
 Refer to internal audit checklist chart

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