

<b>ABE Quality Management System Environmental Aspects Procedures</b>	<b>IMS</b>	<b>Dept: ENV Issue: 01, Rev:4</b>	<b>Ref: ABE-EM-AS-01 Last Revision: May '16</b>
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0	02-11-03	New Issue	Binil	MG
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## **ENVIRONMENT ASPECTS PROCEDURE**

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## **ENVIRONMENT ASPECTS PROCEDURE**

### **1.0 PURPOSE AND SCOPE**

The purpose of this procedure is to provide a system and instructions to identify environmental aspects of ABE's activities, products and services in order to determine those which may have a significant impact on the environment.

This procedure covers all activities, products and services associated with ABE.

### **2.0 DEFINITIONS AND ABBREVIATIONS**

<b>ABE</b>	:	Albanna Engineering
<b>EMS</b>	:	Environmental Management System
<b>EO</b>	:	Environmental Officer
<b>MR</b>	:	Management Representative
<b>PO</b>	:	Process Owner
<b>CEO</b>	:	Chief Executive Officer
<b>Environmental Aspect</b>	:	Element of ABE's activities, products or services that can interact with the environment
<b>Environmental Impact</b>	:	Any change to the environment, whether adverse or beneficial, wholly or partially resulting from ABE's activities, products, or services

### **3.0 RESPONSIBILITY**

- 3.1 The Chief Executive Officer is responsible for implementation of EMS within the company.
- 3.2 Environmental Officer, with the assistance of department heads is responsible for identifying ABE's activities, products and services which may have significant impact on environment.

### **4.0 PROCEDURE**

#### **4.1 Identification of Environmental Aspects**

4.1.1 Environmental Officer will identify environmental aspects of operations and activities that are controlled or influenced. The aspects categories include but not limited to

- Air Emissions
- Liquid and Solid waste
- Noise
- Natural Environment
- Waste water discharges
- Energy usage
- Water usage
- Material usage
- Land condition

- 4.2 Identification of Significant Environmental Aspects  
Environmental Officer will review and evaluate the aspects identified and determine the significance using the criteria given below in sections 4.4 and 4.5
- 4.3 A register will be maintained in the respective department listing all aspects/ impacts and their significance.
- 4.4 An environmental aspect may be considered as “significant” where the aspect:
- 4.4.1 is subject to relevant legislation, regulation, permit requirements and/or other requirements.
- 4.4.2 is subject to potential accidental release of solid, liquid or gas that is of sufficient quantity to cause environmental concern.
- 4.4.3 pertains to energy usage
- 4.4.4 is subject to high environmental loading due to one or more of following criteria.
- toxicity
  - amount of solid, liquid and gas release
  - amount of usage of natural resources
  - frequency of episodes
  - severity of actual or potential impacts
- 4.5 Significance of each aspect identified in the Environmental Aspects Register will be calculated using the following formula.
- 4.5.1  $\text{Consequences (A)} \times \text{Probability (B)} = \text{Impact Rating}$
- Where,
- a. Consequences (A)


<b>Severity rating of Consequences (A)</b>			
No.	Nature	Financial	
		Equipment	Product
1	Minor	≤ AED 1 K	≤ 1 Hr
2	Short term	≤ AED 50 K	1 - 2 Hrs.
1	Long term	≤ AED 300 K	2 - 4 Hrs.
1	Serious	≤ AED 1 M	4 - 8 Hrs.
1	Catastrophic	≤ AED 10 M	≥ 1 Shift


- b. Probability (B)


<b>Probability Rating Factors (B)</b>	
No	Frequency
A	Common or Daily
B	Has happened or Weekly
C	Could happen or Monthly
D	Not likely or Once per Year
E	Practically impossible or Once in 10 years

4.5.2 Points will be allocated for each aspect/ impact as per the table below.

Frequency / Probability					
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>5</b>	25	24	22	19	15
<b>4</b>	23	21	18	14	10
<b>3</b>	20	17	13	9	6
<b>2</b>	16	12	8	5	3
<b>1</b>	11	7	4	2	1

 = Indicates the low level of environmental risk upon the particular impact, which is acceptable.

 = Indicates the medium level of environmental risk, which has the potential to Cause a moderate impact.

 = Indicates high level of environmental risk, which has the potential to harm the person and environment and un acceptable level (Cessation of the activity)

4.6 As activities associated with ABE changes from time to time, identification of environmental aspects is a continuous process

## 5.0 RECORDS

Following records relevant to environmental aspects and impacts will be maintained by the Environmental Officer.

- Environmental Aspect Register
- Check Lists

## 6.0 DISTRIBUTION AND AVAILABILITY

- CEO
- Department Heads
- Controlled Copy Holders of IMS Manual
- Environmental Officer

## 7.0 ATTACHMENTS

NIL