

## ENVIRONMENTAL IMPACT ASSESSMENT PROCEDURE

### 1. OBJECTIVE:

To specify required methods in order to define the environmental aspects that may occur in the processes of AYDEM YENİLENEBİLİR ENERJİ A.Ş., in terms of the environment and to assess the size of impact and review this assessment periodically.

### 2. SCOPE:

It covers the assessment of environmental risks in the processes and in plants of AYDEM YENİLEBİLİR ENERJİ A.Ş.

### 3. RESPONSIBILITIES:

OSH, Environment and IMS Manager, Environmental Relations Director, Environmental Relations Specialist and Process Supervisors/Plant Supervisors are responsible for implementation of this procedure.

### 4. DEFINITIONS:

- **Environment:** The environment where an organization conducts its operations and air, water, soil, natural resources, flora, fauna and people interrelated to each other.
- **Environmental Aspect:** An element of an organization's activities, products or services that interact or may interact with the environment.
- **Environmental Impact:** Any positive or negative change that an organization causes, either in part or in full.
- **Normal:** Ordinary, natural, usual, regular, and customary.
- **Abnormal:** Unusual, irregular, non-normal, non-customary.
- **Urgent:** Something to be performed without delay.
- **Significant:** Important, crucial, fundamental.
- **Insignificant:** Unimportant, no value, trivial.

### 5. IMPLEMENTATION:

#### 5.1. Environmental Impact Assessment:

Environmental impacts of the operations of AYDEM YENİLEBİLİR ENERJİ A.Ş., and their results are assessed by OSH and IMS Manager, Environmental Relations Director, Environmental Relations Specialist and Process Supervisors/Plant Supervisors taking into direct or indirect impacts into consideration. In addition, company identifies and evaluates its potential impacts on biodiversity (effects on population's dynamics, effects on ecosystems, soil erosion etc.) Company implements the necessary actions as a result of the biodiversity monitoring and evaluations.

In assessing the impact the criteria below will be taken as the basis and it is determined whether each impact is of significance in terms of environment is recorded in the **“Environmental Impact Assessment Form (CVR.FRM.001)”**.

## 5.2. Assessment of Environmental Risks:

Depending on the possibility of occurrence of the environmental dimension and occurrence, the severity of the environmental impact is assessed and the environmental risk is calculated. The calculation method is carried out as follows

**Environmental Risk** = Possibility of Environmental Impact \* Severity of Environmental Impact

**Possibility of Environmental Impact;** is assessed considering Section A of the Environmental Risk Assessment Table in 5.3.

**Severity of Environmental Impact;** is assessed considering Section B of the Environmental Risk Assessment Table in 5.3.

## 5.3. Environmental Impact Assessment Table

A. Possibility of Environmental Impact	
1	<b>Very unlikely:</b> Very unlikely to happen; occurs due to natural phenomenon
2	<b>Unlikely:</b> Occurs due to process change and large scale system changes
3	<b>Possible:</b> Occurs due to lack of training/awareness, sensitivity
4	<b>Likely:</b> Repeated once in every week.
5	<b>Almost certain :</b> Occurs in normal operating conditions.

B. Severity of Environmental Impact	
1	<b>Incidental:</b> No impact on environment and health.
2	<b>Minor:</b> Minor and instant impact on environment.
3	<b>Serious:</b> Reversible impact, timely response.
4	<b>Major:</b> Long term impact on environment.
5	<b>Catastrophic:</b> Long term serious impact on environment and requires the response of a qualified team.

## 5.4. Severity of Impact

It is calculated by taking into consideration 5.3. Environmental Impact Assessment Table as below;

Risk Score = Possibility of Environmental Impact x Severity of Environmental Impact

The calculated Risk value scores are associated with the risk levels shown below, and are recorded in the **“Environmental Impact Assessment Form (CVR.FRM.001)”**. The form approved by the General Manager is communicated to the owners of the relevant processes.

### SEVERITY IMPACT POSSIBILITY MATRIX

POSSIBILITY/ IMPACT	1 INCIDENTAL	2 MINOR	3 SERIOUS	4 MAJOR	5 CATASTROPHIC
1 VERY LOW	Very Low 1	Low 2	Low 3	Low 4	Low 5
2 LOW	Low 2	Low 4	Low 6	Medium 8	Medium 10
3 MEDIUM	Low 3	Low 6	Medium 9	Medium 12	High 15
4 HIGH	Low 4	Medium 8	Medium 12	High 16	High 20
5 VERY HIGH	Low 5	Medium 10	High 15	High 20	Intolerable 25

Risk Score	Risk Level	Action to be taken
1	Insignificant	Requires no action.
2-6	Low Impact	Control activities, monitoring and measurement activities are reviewed by the <b>OHS, Environment and IMS Manager, Environmental Relations Manager / Specialist or Plant Supervisor.</b>
8-10	Moderate Impact	Control activities, monitoring and measurement activities are reviewed by the <b>OHS, Environment and IMS Manager, Environmental Relations Manager / Specialist or Plant Supervisor.</b> If there is a possibility of bringing down the environmental risk to a low risk level, the necessary actions are planned by the <b>OHS, Environment and IMS Manager, Environmental Relations Manager / Specialist or Plant Supervisor,</b> and if necessary, monitoring and measuring activities or <b>“Corrective Action Form (KYS.FRM.003)”</b> is initiated.
15-20	High Impact	<b>“Corrective Action Form (KYS.FRM.003)”</b> is urgently initiated by the <b>OHS, Environment and IMS Manager, Environmental Relations Manager / Specialist or Plant Supervisor</b> in order to reduce and control the risk of environmental impact.
25	Intolerable	The operation is ceased and the <b>“Corrective Action Form (KYS.FRM.003)”</b> is urgently initiated by the <b>OHS, Environment and IMS Manager,</b>

		<b>Environmental Relations Manager / Expert or Plant Supervisor</b> in order to reduce and control the risk of environmental impact.
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#### 5.5. Review

**“Environmental Impact Assessment Form (CVR.FRM.001)”** is updated by OHS, Environment and IMS Manager, Environmental Relations Manager or Environmental Relations Specialist,

- If there are changes in operations, products and services, including planned or new developments,
- If there are changes in environmental dimensions and impacts,
- If there are amendments in legal regulations,
- If there is an accident or emergency,
- If there is a change in processes,

once a year, considering the improvements made even if the above conditions are not met.

In the event of any changes in the assessments, the form is revised by the OHS, Environment and IMS Manager and Environmental Relations Manager and submitted to the approval of the General Manager.

#### 6. REFERENCE DOCUMENTS

- CVR.FRM.001\_ Environmental Impact Assessment Form
- KYS.FRM.003\_ Corrective Action Form