

## **EMS SP01: Environmental Aspects Evaluation**

Version No: 1	Issued By: Operations Manager
Issue Date: 20 <sup>th</sup> February 2022	

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### **INTRODUCTION**

This procedure describes how l'Anson Bros Ltd environmental aspects are defined and evaluated for significance/priority.

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### **DEFINITIONS**

#### **Environmental Aspect**

Element of an organisation's activities or products or services that can interact with the environment.

#### **Environmental Impact**

Any change to the environment, whether adverse or beneficial, wholly or partially resulting from an organisation's environmental aspects.

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### **REFERENCES**

Company Environmental Aspects Register - held on computer system.

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### **RESPONSIBILITIES**

The EMS Team is responsible for completing and updating the Environmental Aspects Register.

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### **ASPECTS METHODOLOGY**

**The methodology used to determine the significance of l'Anson Bros Ltd environmental aspects is set out in the Environmental Aspects Prioritisation Methodology sheet within the Aspects Register.**

In defining the company's environmental aspects, all Company activities, products and services will be considered with regard to:

- The medium (air, land, water).
- Extent (local, regional, global).
- Duration.
- Frequency.
- Economic consequence.
- Legislative requirement, control or limitation.
- Receptors affected (e.g. people, flora, fauna).

The aspects to be considered include those that result in the following impacts:

- Impacts and uncontrolled emissions to atmosphere.
- Controlled and uncontrolled discharges to water (including surface water run-off to storm drains).

**l'Anson Bros Ltd Environmental Management System**
**EMS SP01: Environmental Aspects Evaluation**

Version No: 1	Issued By: Operations Manager
Issue Date: 20 <sup>th</sup> February 2022	

- Solid and other wastes generated on site or elsewhere.
- Contamination of land on site or elsewhere.
- Use of natural resources (land, water, air, fuels, energy, raw materials).
- Noise, odour, dust and visual impact.
- Any specific effects on particular parts of the environment, including ecosystems.
- Indirect effects over which the Company may have limited control (i.e. suppliers, contractors, customers, disposal sites, etc.).

Aspects are considered under all conditions, including:

- Normal activity – classed as an activity which is planned and occurs frequently which causes an environmental impact e.g. raw material delivery.
- Abnormal activity – classed as an activity which is a planned one off or rare activity which causes an environmental impact e.g. maintenance activities.
- Emergency situation – an unplanned event which could occur and lead to an adverse environmental impact and would require immediate action e.g. spillage of fuel oil.
- Past activities, current activities and planned activities – most activities entered in the register will be associated with current Operations, but the register should also contain environmental impacts connected to planned future activities and also past activities conducted on site which had the potential to cause contamination of the land.

Each of the following columns within the Aspects Register must be completed:

- Reference number
- Environmental aspect
- Environmental impact
- Operating level
- Consequence rating of the event
- Likelihood rating of the event

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**SIGNIFICANCE/PRIORITY OF ASPECTS**


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Aspects are assessed for significance by determining the priority rating as outlined in the Environmental Aspects Prioritisation Methodology (See overleaf)

## EMS SP01: Environmental Aspects Evaluation

Version No: 1	Issued By: Operations Manager
Issue Date: 20 <sup>th</sup> February 2022	

**Consequence (Consequence rating of the event):** This scores the environmental impact according to the severity of its effect on the environment. It is possible to assign a 'negative' score to those impacts that are beneficial to the environment. This is the sites' relative contribution to the overall environmental impact.

Score	Consequence	Description of Environmental Consequences
-1	Positive	Positive environmental improvement, reduced environmental impact Good for public relations Proactive use of renewable/sustainable resources.
1	Minor	Noticeable impact on-site only; No outside complaints; Small-scale use of renewable resources; and Negligible environmental damage
2	Noticeable	Small potential for local adverse publicity; Minor breach of emission limits, but no environmental harm; Noticeable but low impact off-site e.g. discernable odours; and Low impact on global issues (e.g. ozone depleting substances); and Small-scale use of non-renewable resources (e.g. oil-based); Moderate use of renewable resources (e.g. timber-based) Loss up to £100 and only small likelihood of complaints.
3	Significant	Noticeable environmental impact limited to a small area; Losses between £100 and £1,000 and complaints possible, litigation possible; Moderate use of non-renewable resources or large-scale use of other resources; Large-scale use of renewable resources; Severe and sustained nuisance, numerous complaints, e.g. strong odours / noise disturbance; and Minor breach of permitted emission limits.
4	Severe	Moderate environmental impact within and outside the facility but no lasting environmental damage; Potential for adverse publicity; Losses between £1,000-£10,000 and complaints and litigation possible; Hazardous substances releases with 1/2 mile effect; Major breach of emission limits Large scale use of non-renewable resources.
5	Major	Damage to land beyond the facility boundary, reversible; Local media interest, careful public relations required; Losses between £10,000-£50,000 and litigation expected; and Serious toxic effect on beneficial or protected species in the area.
6	Catastrophic	Severe widespread environmental damage, irreversible; National media interest and adverse publicity; Loss of over £50,000 and litigation certain; and Possible Site Shutdown.

## EMS SP01: Environmental Aspects Evaluation

Version No: 1	Issued By: Operations Manager
Issue Date: 20 <sup>th</sup> February 2022	

**Likelihood (Assessment of frequency of reoccurrence)**, this is based on PPC H1 guidance

Score	Likelihood (L)	Description
1	Extremely Unlikely	Occurs less than once in a million years
2	Very Unlikely	Occurs between once per million and once every 10,000 years
3	Unlikely	Occurs between once per 10,000 years and once every 100 years
4	Somewhat Unlikely	Occurs between once per 100 years and once every 10 years
5	Fairly Probable	Occurs between once per 10 years and once every year
6	Probable	Occurs at least once per year
7	Frequent	Occurs at least once a month
8	Very Frequent	Occurs at least once a week
9	Almost Certain	Occurs at least once a day

### Calculation of Priority Score

The overall priority score is calculated by multiplying the consequence score with the likelihood score, this priority score is then assigned a colour coding based on the following matrix which denotes the significance.

Likelihood	Consequence						
	-1	1	2	3	4	5	6
	Positive	Minor	Noticeable	Significant	Severe	Major	Catastrophic
1 - Extremely unlikely	-1	1	2	3	4	5	6
2 - Very unlikely	-2	2	4	6	8	10	12
3 - Unlikely	-3	3	6	9	12	15	18
4 - Somewhat unlikely	-4	4	8	12	16	20	24
5 - Fairly probable	-5	5	10	15	20	25	30
6 - Probable	-6	6	12	18	24	30	36
7 - Frequent	-7	7	14	21	28	35	42
8 - Very frequent	-8	8	16	24	32	40	48
9 - Almost certain	-9	9	18	27	36	45	54

	Positive environmental impact
	Low environmental impact
	Potential for moderate environmental impact
	Potential for high environmental impact

## ASPECTS REGISTER

The Aspects Register includes a description of all impacts that I'Anson Bros Ltd activities, products and services may have on the environment. It also includes a note of the significance, based on the colour coding system, of each aspect, taking into account the legislative or regulatory situation.

The Register includes a cross-reference to relevant legislation and other requirements, associated objectives and targets and also operational control procedures for significant aspects.

The Register will be reviewed annually by the EMS Team. Once the review is completed the date of revision and revision number will be updated on the Register, the previous version will be retained for record purposes and the updated version will be incorporated into the EMS.

**l'Anson Bros Ltd Environmental Management System**

**EMS SP01: Environmental Aspects Evaluation**

Version No: 1	Issued By: Operations Manager
Issue Date: 20 <sup>th</sup> February 2022	

The environmental impacts of any changes (actual or proposed) in our activities or areas of Operations will be considered by the EMS Team and added to the Register if not already included or removed if no longer relevant.

Similarly, any changes in legislation, regulations or codes of practice (which might affect the significance of any aspect) will also be considered. If there are any such changes to the Aspects Register, then the Operations Manager will bring them to the attention of the EMS Team at the next management review meeting.