

Environmental Aspects Procedure

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AMENDMENT RECORD

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1.0	23/03/09	Approved

DB Construction Environmental Aspects Procedure

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1.0 PURPOSE

To identify the environmental aspects and impacts of the past, present or planned operations and activities of DB Construction over which it has control or reasonable influence, including those under normal, abnormal and emergency situations, and to assess their significance.

2.0 OBJECTIVES

To identify those significant aspects and impacts that will act as the basis for environmental control and improvement. Measurable targets have been identified in DB-0068 and are measured throughout the year and reviewed at the quarterly Environment Management Review meetings.

3.0 SCOPE

The Environmental Management Team (EMT)
Senior Managers

4.0 DEFINITIONS

None

5.0 REFERENCES

Title	Document/Form No
Register of Environmental Aspects and Impacts	DB-0070
Register of Environmental Legislation & Standards	DB-0071
Environmental Improvements Request	DB-0072
Evaluation of Legal Compliance	DB-0073
- Site Inspections	DB-0046

6.0 RESPONSIBILITIES

The Environmental Management Representative (EMR) and the Environmental Management Team (EMT) are responsible for establishing and maintaining a register of environmental aspects and impacts.

Health, Safety & Environment Managers, Project Managers & Construction Managers are responsible for carrying out site inspections/Impacts assessments.

7.0 IDENTIFICATION OF ASPECTS

7.1 The Company shall produce and maintain a register listing the significant environmental aspects of its operations and services. The assessment shall be carried out by the Environmental Management Team, acting under the chairmanship of the Environmental Management Representative (EMR).

7.2 The assessment shall take place on an annual basis as a **minimum** requirement. Additional assessments, however, shall be carried out: using the Assessment of Environmental Impacts - Site Inspections form DB-0046 when:

- Amendments to legislation, codes of practice or standards make it necessary.
- Operations and activities are changed or when new projects are planned which may alter the company's interactions with the environment.
- The occurrence of accidents or incidents, or other factors, suggest that existing assessments may be wrong

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7.3 For the first assessment, the Initial Environmental Review shall be used as the means of identifying current and past aspects, which have an impact on the environment.

7.4 The aspects assessments shall consider:

- All emissions to air, water and land from operations and activities.
- The production storage and disposal of waste.
- The use of energy and natural resources.
- Noise and vibration.
- The supply, storage and handling of materials.
- Impacts on the natural environment.
- The impacts of suppliers and contractors.

These factors shall then be used to develop a list of environmental aspects.

8.0 IMPACT SIGNIFICANCE RATING

When all environmental aspects and their related impacts have been identified, their significance shall be rated and the rating scores recorded in the environmental aspects and impacts register.

The potential impact ratings are obtained from Table 1

Table 1 - Impact Rating

Potential Impact	Rating
Minor – low use of materials and energy or low potential for waste or emissions.	1
Intermediate – moderate use of materials or energy or moderate potential for waste and emissions.	2
Major – heavy use of materials or energy or major potential for waste or emissions.	3

The likelihood of occurrence values shall then be obtained from Table 2:

Table 2 - Likelihood of Occurrence

Likelihood of Occurrence	Score
Unlikely	1
Possible	2
Likely	3

The overall risk factor, or environmental significance, shall be scored by multiplying the likelihood of occurrence by the potential of the impact.

Impacts scoring 6 or 9 shall be regarded as significant.

9.0 CONTROL PROCEDURES

Where an aspect is identified in respect of service managed by the Company, which could have a significant environmental impact, an operational control procedure shall be produced.

If the service is provided by a Supplier, a detailed method statement for the activity should be used.

10.0 EMERGENCY PREPAREDNESS AND RESPONSES.

DB Construction aim to prevent rather than cure environmental emergencies. Its aim is to mitigate and prevent associated adverse environmental impacts. In practice this is seen by no more than 25 litres of hazard chemicals of fuel is ever kept at site. Fuel is transported in double banded travel safe containers.

Water pumped from excavations is not transferred straight to water courses. Pumping water is a practice which DB Construction tries to avoid. If it has to be pumped it is passed through settlement tanks.

Spill kits are kept with all vehicles along with the spill kit procedure. All site employees are drilled in the use of the spill kits and what to do in an emergency.

11.0 REGISTER OF ASPECTS AND IMPACTS

A register of environmental aspects and impacts shall be created using the results of the environmental impact assessments.

12.0 REVIEW OF ASPECTS & IMPACTS REGISTER

12.1 Aspects shall be reviewed/identified by the undertaking of a six monthly company inspection, using form DB-0046 (or as required by 7.2) and shall take into consideration:

- The process inputs and outputs of the site operations.
- Topographical features within the site; e.g. water courses, prevailing weather conditions, exposure, site contours, etc.
- Land usage and features of adjoining sites.
- The results of previous assessments.
- Other issues (e.g. land ownership and management, visual aspects, potential emergency conditions).

12.2 The results of the site inspection/assessments shall be forwarded to the EMR. A copy shall be retained on site.

12.3 The site assessments will be taken into consideration by the EMR/EMT as part of the review of the Aspects and Impacts Register.

13.0 RECORDS

The Register of Environmental Aspects and Impacts.
Assessment of Environmental Impacts – Site Inspection Forms

All records are kept in conjunction with the Quality and Environmental Records list and procedures DB-0050.

14.0 COMMUNICATION

The decision to communicate all Environmental and Quality information to the public has been taken to aid in creating a transparency of the business to interested parties and potential clients, as well as to share with all employees our joint goals in relation to the Environment and Quality.

The process of receiving, documenting and responding to external communication is duly noted in DB-0028, DB-0029 and DB-0081.

DB Construction has made the decision to communicate its environmental aspects externally so as to promote transparency and traceability to all and any. DB Constructions environmental aspects are available at www.db-construction.co.uk/health-safety.php