

Appendix 7.5 - Examples of activities likely to generate impacts (taken from IEEM, 2006)

**Preliminary activities prior to the main construction contract** (e.g. ground investigations)

**Construction Phase:**

- Access and travel on/off-site.
- Assembly areas for components of construction.
- Blasting, e.g. for minerals operations.
- Construction of structures and hard surfaces.
- Demolition operations.
- Environmental incidents and accidents (e.g. spillages, noise and emissions).
- Fires.
- Ground and excavation works.
- Lighting.
- Provision of services and utilities (e.g. underground power lines, water supply and drainage).
- Removal or disruption of top-soil/sub-soil etc.
- Silting and subsequent removal of site offices/compounds and final site clear away after construction.
- Storage areas for construction materials.
- Structural works for building and engineering.
- Structural works to existing buildings, including conversions.
- Temporary access routes for construction vehicles – both on and offsite.
- Vegetation clearance.

**Occupation/Operational Phase**

- Access (both route and means).
- Drainage.
- Damage to mitigation work through accident or vandalism.
- Implementation of landscape design and habitat management (type and location).
- Presence of people and typical uses and activities (including factors likely to cause disturbance, e.g. increased public access and recreational pressure, risk of fires, lighting, noise, regular emissions).
- Presence of pets.
- Site operation and management (e.g. maintenance operations, industrial processes generating emissions, etc.).

**Decommissioning Phase**

- Removal of contaminated water or soil.
- Removal or demolition of disused structures that may have been colonised by, e.g. roosting bats, barn owls.
- Removal of ancillary developments including culverts.
- Removal or neglect of structures which might cause pollution if they fail.

**Restoration Phase** (where operations/phases have finished, e.g. for mineral extractions).

**Potential Non-standard Operations** (e.g. one-off incidents and accidents).

(Based on Oxford 2001)

