

Environmental Aspects and Impacts Register

Ref	Activity	Aspect	Impact / Risk	Risk Rating (L x S) Uncontrolled	Controls	Condition			Risk Rating (L x S) Controlled	Opportunities
						Normal	Abnormal	Emergency		
1	Business Travel	Transportation and Vehicle use (including employee commuting and employee travel)	Emissions to Air - Use of fossil fuels, Global warming from CO2 Pollution by carbon monoxide, sulphur dioxide, nitrous oxides and particulates affecting health	5 x 3	Efficient planning of site work. Encourage car sharing and alternative means of transport. Allow flexible working where appropriate. Purchase fuel efficient vehicles. Minimise engine running times. Maintain engines to manufacturer's standard. Arrange for additional maintenance if engine is smoking.	✓			4 x 2	MOST SIGNIFICANT ASPECT Reduced use of fuel, Reduce risk of accidents, Reduce costs of travel Adoption of low carbon transport
2	Buildings	Electricity Use - Office equipment & lighting	CO2 Emissions, Resource Depletion, Use of fossil fuels	4 x 3	Energy efficient bulbs/fluorescent tubes, Modern/efficient Office & IT equipment, On/off sensors on lighting, Switch off Policy, Monitoring use through meter reading & reports	✓	✓		3 x 2	Reduced emissions, Reduced use of electricity, Early identification of spike in use
3	Contractors	Control of contractors	CO2 Emissions Particulates, Fossil fuel depletion, Potential Pollution, Company reputation, Loss of business continuity	3 x 4	Evaluation and selection procedures, Contractors follow company rules and procedures	✓	✓	✓	2 x 3	Company reputation, Business continuity
4	Waste	Waste products: Paper, Glass, Cans, Cardboard, Electrical equipment	Hazardous materials, Unnecessary landfill, Fines & Prosecution	4 x 3	Establish baseline on amount of paper purchased. Implement a Policy to increase electronic correspondence. Always encourage electronic forms. Recycling system.	✓			1 x 1	Recycling, Reuse opportunities
5	Covid-19 related Waste	Waste products: Used face coverings & gloves.	Hazardous materials	4 x 3	Place directly into plastic bag, put into outside waste bins at home on return.		✓	✓	1 x 1	Company reputation, Business continuity
6	Suppliers	Packaging Waste, Transport	Unnecessary landfill, CO2 Emissions Particulates, Fossil fuel depletion, Potential Pollution, Company reputation, Loss of business continuity	3 x 4	Evaluation and selection procedures, Logistics planning, CSR Policy, Re-use packing where possible	✓			2 x 3	Company reputation, Business continuity
7	Emergency	Disaster, Pollution Incidents, Flood Incidents, Fire	Pollution, Emissions to air/water, Loss of business continuity	2 x 5	Emergency Procedures, Early warning systems, Maintenance programs, Disaster recovery planning and testing			✓	1 x 4	Control of disaster situation, No loss in business continuity, Lowered risk to employees
8	Buildings	Electricity Use - Heating/Aircon	CO2/CFC Emissions Resource Use	3 x 2	Maintenance of aircon system, Settings facility on aircon units, Switch off Signage/Policy, Aircon zoned areas enabling switch off, Staff working mainly on one floor	✓	✓		2 x 1	Reduced emissions, Efficient use of aircon system, Reduced use of electricity, Early identification of spike in use
9	Business Travel	Spillage of oil/fuel to ground (from vehicles)	Pollution of land and Groundwater	3 x 2	Take care when re-fuelling. Carry spill kit for emergency preparedness. Comply with legal requirements Water Resources Act 2012			✓	2 x 1	Reduced use of fuel, Company reputation, Legal compliance
10	Buildings	Water Consumption (in toilets, showers and other facilities)	Resource depletion, Water Quality	3 x 2	Maintenance of system, Monitoring use through meter reading & reports, Speak to landlord about lowflow fixtures and faucets. Raise awareness of water conservation efforts.	✓	✓		2 x 1	Reduced use of water, Early identification of spike in use
11	Operational	Procurement of goods	Waste, CO2 Emissions Particulates, Fossil fuel depletion	2 x 3	Evaluation and selection of Suppliers, Direct deliveries (single handling), Minimal stock levels held, Reuse/Recycle packaging	✓			2 x 1	Sustainable procurement, business continuity, cost savings
12	EMS	Stakeholders (Share holders, Employees, Customers, Contractors, Suppliers, Insurers, Landlord)	Employee health concerns, Complaints/Incidents, Legal Prosecution, Civil Prosecution, Loss of business	2 x 3	Maintaining an EMS, Control of Hazardous Waste, Controlling Environmental Pollution	✓			2 x 1	Improved employee work environment and health, Compliance with Law, Tendering for new business
13	External Environmental Conditions	Climate change, Flood, Endangered species	Loss of reputation, Business continuity, Local Environmental Group Pressures	2 x 3	Maintaining an EMS, Control of Hazardous Waste, Controlling Environmental Pollution, Consultation with local organisations, BCM/DR planning		✓	✓	2 x 1	Enhanced company reputation, Business continuity
14	External Environmental Conditions	Disturbance of wildlife habitat	Damage to protected species of flora and fauna	2 x 3	Comply with the legal requirements of the The Wildlife and Countryside Act 1981, Countryside and Rights of Way Act 2000. Check with land owner / Main contractor for information regarding any endangered flora and fauna or if it has SSSI Status. Where identified, mark out area so that plant and workforce do not encroach onto habitat.		✓	✓	2 x 1	Enhanced company reputation, Business continuity
15	Environmental Groups	May be present in the area and would expect the organisation to be mindful and conscious of the issues unique to the area and operate accordingly to minimise its impact.	Loss of reputation, Loss of species, habitat and biodiversity	2 x 2	Maintaining an EMS, Control of Hazardous Waste, Controlling Environmental Pollution, Consultation with environmental groups		✓		2 x 1	Enhanced company reputation
16	Environment Agency	The organisation and its practices are such as to not cause significant harm to the environment and thus bring their attention and concern to the company leading to investigation.	Loss of reputation, Business continuity, Legal prosecution	2 x 2	Maintaining an EMS, Control of Hazardous Waste, Controlling Environmental Pollution, BCM/DR planning	✓	✓	✓	2 x 1	Legal compliance, business continuity
17	Sustainability and Drive to net zero	The Organisation through its business practices need to embed and make habitual its commitment to reaching net zero and adopting sustainability in its daily operations	The drive of the energy sector and principal clients such as Iberdrola and Ofgem to achieve net zero and develop sustainable business practices will have an impact on PBS as SME, failure to embed sustainable principals such as the UN sustainability goals will have an increased impact though potential fines, loss of reputation and eligibility to tender for work. The expansion of green zones e.g. ULEZ and clean air zones reputation and could additionally lead to greater fiscal damage through fines levied against non compliance or sustainable transportation	2 x 2	Continue to innovate and alter its practices through support of sustainable charities and continued identification of risk and opportunities					Identify sustainable technology and methods, incorporating them into its business model. Seek greener and less environmentally damaging solutions to demonstrate commitment as a part of its tender process. Join international accreditation schemes eg UN Global compact, ISO 14001-2015
18	Local Council	The organisation behaves and operates continually in a legal, responsible and beneficial way to the area	Loss of reputation, Business continuity, Legal prosecution	2 x 2	Maintaining an EMS, Control of Hazardous Waste, Controlling Environmental Pollution, BCM/DR planning	✓	✓	✓	2 x 1	Legal compliance, business continuity
19	Neighbours	Community Interactions, Carparking, Noise, Dust	Noise pollution, noise complaints	2 x 2	Company policies for employee behaviours, Minimise operating times. Wear hearing protection. Comply with agreed time restrictions. Inform interested parties in advance of work. Maintain equipment for efficient operation. Comply with legal requirements of The Control of Noise at Work Regulations 2005, The Personal Protective Equipment Regulations 2002, The Environmental Protection Act 1990	✓			2 x 1	Limiting disturbance, Improving business relationships