

MINERVA INTEGRATED SECURITY SERVICES	Environmental Impact Schedule (Aspects and Impacts Analysis)	Issue: 7	Approved
		Date: 10/01/18	Page 1 of 4

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S = Severity of the impact, O = likelihood of an occurrence, P = Ease of preventing pollution incident. RPN = Environmental Risk Priority Number.

Aspect	Impact	S	Legislation	O	Current Controls	P	RPN	Improvement Actions	Result				Comment
									S	O	P	RPN	
Office - Energy Use													
General use of electricity in office	Global warming and acid rain. Use of natural resources in power generation	6	Climate Change Act 2008 / Climate Change Levy Regs 2001	7	Choice of low energy appliances and low energy lighting.	7	294	Check energy rating of appliances before purchase. Change to low voltage led lighting. Switch off after work hours.	6	5	2	60	Updated. Office refurbished in Dec 17
Office Heating (electric heaters)	Global warming and acid rain. Use of natural resources in power generation	6	Climate Change Act 2008 / Climate Change Levy Regs 2001	8	Use energy efficient appliances	4	120	Use timers and thermostatically controlled heaters where possible	6	6	2	72	Updated. Office refurbished in Dec 17
Office Consumables Use													
Office / Site paper usage	Use of natural resources in production. Waste disposal cost	2	Controlled Waste '92/ Amendment 1993 Environmental Protection Regs 91	9	Replace with computer docs whenever possible Print both sides	4	72	Reduce number of docs held and store electronically Waste paper is re-processed. Automation of systems.	2	6	2	24	Updated. Office refurbished in Dec 17; introduction of simprosuite
Use of ink cartridges	Use of oil resources in manufacture. Cost of disposal	1	Hazardous Waste Regulations 2005	9	Re-cycle	3	27	Reduce usage of ink cartridges by saving records electronically	1	6	3	18	Updated. Office refurbished in Dec 17; introduction of simprosuite
Office - Waste Disposal													
Disposal spent light bulbs	Minor land and aquifer contamination with cadmium, lead and	5	Hazardous Waste Regulations 2005	4	Dispose of as hazardous waste.	2	40	Low energy bulbs are used					N/A

	mercury												
Office / site Disposal misc batteries	Land and aquifer pollution with heavy metals via land fill	2	Waste Batteries and Accumulators Regs 09	4	Collected and returned to supplier.	5	40	Safe disposal procedure	2	4	3	24	Business as usual
Disposal of redundant office equipment	Land and aquifer pollution with heavy metals via land fill	3	WEEE Directive '06/'07	2	Dispose of via a registered handling station for WEEE	4	24	Safe disposal procedure	3	2	3	18	Business as usual

Aspect	Impact	S	Legislation	O	Current Controls	P	RPN	Improvement Actions	Result				Target date + responsibility
									S	O	P	RPN	
Other Office & Site													
Site / Office Fire	Fumes particulate contamination. Aquifer contamination from fire fighting run-off water.	7	Fire Precautions (workplace) regs	1	Fire alarm tests and fire fighting equipment inspections	8	56	Periodic testing procedures	7	1	5	35	Business as usual
Driving to/from work	Nitrous oxide – respiratory hazard, Carbon emissions lead to global warming	8	(Environmental Protection Act '90)	7	Encourage car sharing	7	392	Introduction of vehicle tracker	8	4	4	128	Business as usual
Servicing of Air conditioning units	Possible release of ozone depleting gases to atmosphere	8	Flourinated GH Gas Regs / Environmental Protection Regs '02	2	Use of qualified and registered contractors	3	48	Periodic testing procedures	8	2	2	32	Business as usual
Site – Use of tools and plant													
Driving to/from site	Nitrous oxide – respiratory hazard, Carbon emissions lead to global warming	8	(Environmental Protection Act '90)	9	Choice of fuel efficient vehicles. Speed limiters fitted.	7	504	Adopt Econetic vehicles with higher fuel efficiency when at replacement.	8	6	5	192	Completed
Use of electricity on site.	Global warming. Acid rain. Use of natural resources in power gen.	6	Climate Change Act '08 / Climate Change Levy Regs '01	8	Use low powered tools whenever practical.	4	192	Change to low voltage led lighting. Switch off after work hours.	6	6	2	72	Business as usual
Use of portable power generator	Noise, Particulate pollution and CO2 emissions leading to global warming	8	Non-road Mobile Machinery – Emissions etc Regs '04	4	Training	5	160	Use equipment fitted with particulate filter. Very rarely used	8	1	4	33	Completed
Use of power tools on site	Noise and dust nuisance to	2	Control of Noise for Construction & Open	2	Keep to minimum. Use CE marked power	5	20	On-going H & S awareness	2	2	3	12	Business as usual

	neighbours.		Sites Order '02		tools with defined power and noise ratings, training								
Drilling or fixing thro textured wall coatings (containing asbestos)	Cacogenic health hazard to humans. Respiratory health hazard to wildlife	8	Control of Asbestos Regs 2006	5	Use low speed tools. Retain material removed and dispose of as the documented method sheet.	4	160	On-going H & S awareness	8	5	3	120	Business as usual

Aspect	Impact	S	Legislation	O	Current Controls	P	RPN	Improvement Actions	Result				Target date + responsibility
									S	O	P	RPN	
Site – Use of tools and plant (continue)													
Spillage of Hydraulic fluid from hired platform lift	Ground water and land pollution.	8	Control of Major Accident Hazard Regulation (Ref. 10); Environmental Permitting Regulation 2010	4	Carry spill-kit on vehicle Technician provided training on hazard on spillage and incident procedure.	4	128	Check maintenance certificate from hired company when hiring platform lift. Visible check before and after use	8	3	3	72	Completed
Site works – installing new equipment & systems and removal of redundant equipment													
Discovery of building materials that contain asbestos.	Irreversible respiratory health hazard caused by airborne particles.	9	Control of Asbestos regs 2006	4	Use of qualified removal and disposal contractors. Emergency asbestos containment kits. Awareness training	5	180	On-going H & S awareness	9	4	3	108	Business as usual
Alarm sounder testing	Noise – nuisance to neighbours	1	Environmental protection Act – Residential Noise regs 2008	5	Keep to a minimum. Warn other personnel in vicinity	2	10	No further improvement identified					Business as usual
Choice of system fittings and circuit design	Use of resources. Disposal cost	6	Building Regs '00/ Energy Performance of Buildings Regs '07	7	Encourage use of low energy emergency lighting and efficient cable runs	2	84	No further improvement identified					Business as usual
Disposal of company vehicles	Ground water and land pollution.	4	End of life vehicle Directive	2	Return to 2 nd hand use, or dispose of via a registered vehicle dismantler.	2	16	No further improvement identified					Business as usual

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Site – Waste disposal													
Disposal of plaster based products	High sulphate ground contamination increasing soil acidity.	3	Hazardous Waste regs '05	5	Use a registered waste contractor who can re-cycle.	6	90	Segregate on site if possible	3	3	6	54	Completed
Redundant LV electrical cable.	Use of resources Disposal cost	7	Waste (England and Wales) Regs 2011	7	Segregate cable for recycling	3	147	Optimise length cable runs to reduce waste.	7	5	3	105	Completed
Disposal of ripped-out redundant security systems	Disposal cost. Possible ground contamination from metals used in manufacture.	2	Waste (England and Wales) Regs 2011	5	Dispose of as hazardous waste.	4	30	No further improvement identified					Business as usual
Disposal of spent system batteries	Land and aquifer pollution with heavy metals via land fill	7	Waste Batteries and Accumulators Regs 09	4	Choose systems with longer battery life. Segregate and return to supplier	3	84	No further improvement identified					Business as usual
Disposal of obsolete control units and display panels	Possible land and aquifer contamination with mercury, cadmium, beryllium, other hazardous matls	7	Hazardous Waste Regs 2012 WEEE Directive '06/'07	3	Dispose of via a registered WEEE contractor	3	63	No further improvement identified					Business as usual