

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
Aeronautical Engineering (David Keir & Ashby Buildings including Metal workshop & Wood workshop)	Electricity consumption	N	D
	Compressed air consumption	N	D
	Swarf (from Rototypes)	N	D
	Waste oil (DARTEK)	N	D
	Steel (for components and parts)	N	D
	Metal scrap/off-cuts	N	D
	Welding consumables	N	D
	Weld fume	N	D
	Redundant machinery	N	D
	Packaging waste (including paper, plastic cardboard, pallets, cans, aerosols etc.)	N	D
	Compressed gas (Oxygen, Propane Acetylene etc.)	N	D
	Noise	N	D
	Wood (for models)	N	D
	Paint & adhesives	N	D
	White spirits	N	D
	Stain/varnish	N	D
	Sawdust (from extraction unit bins)	N	D
	Redundant machinery	N	D
	Refuse	N	D
	Waste office paper for recycling	N	D
	Waste ink & toner cartridges	N	D
Scrap electronic equipment	N	D	

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
Computer Science (Bernard Crossland Building)	Electricity consumption	N	D
	Oil Consumption	N	D
	Refuse	N	D
	Waste office paper for recycling	N	D
	Waste ink & toner cartridges	N	D
	Generation and disposal of waste paper	N	D
Civil Engineering (David Keir Building including Environmental Engineering Research Centre & workshops)	Electricity consumption	N	D
	Storage & consumption of laboratory chemicals	N	D
	Compressed air consumption	N	D
	Generation of liquid effluent	N	D
	Empty chemical containers for disposal	N	D
	Steel (for components and parts)	N	D
	Metal scrap/test pieces	N	D
	Rubble & solid aggregate waste for re-use as hardfill	N	D
	Compressed gas (nitrogen, air, oxygen, Propane Acetylene and special gases)	N	D
	Gaseous fumes	N	D
	Water consumption (Diamond Cutting)	N	D
	Liquid effluent (Diamond Cutting)	N	D
	Gaseous emissions from extract systems	N	D
	Portland cement	N	D
Salt (hydraulics lab)	N	D	

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)	
	Water consumption (hydraulics lab)	N	D	
	Liquid effluent (hydraulics lab)	N	D	
	Swarf	N	D	
	Welding consumables	N	D	
	Weld fume	N	D	
	Waste oil & coolant	N	D	
	Wood (for models)	N	D	
	Paint & adhesives	N	D	
	White spirits	N	D	
	Stain/varnish	N	D	
	Sawdust (from extraction unit bins)	N	D	
	Redundant machinery	N	D	
	Refuse	N	D	
	Waste/redundant electronic equipment	N	D	
	Packaging waste (including paper, plastic cardboard, pallets, cans, aerosols etc.)	N	D	
	Waste office paper for recycling	N	D	
	Generation and disposal of waste paper	N	D	
	Waste ink & toner cartridges	N	D	
	Sonic Arts	Electricity consumption	N	D
		Oil Consumption	N	D
Refuse		N	D	
Waste office paper for recycling		N	D	
Waste ink & toner cartridges		N	D	
Noise		N	D	
Physics	Electricity consumption (lighting, air conditioning, PC's & peripherals)	N	D	

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
EMU	Electricity consumption (research and teaching equipment such as lasers, x-rays plasmas and spectrophotometer)	N	D
	Compressed gases (argon, air, nitrogen, hydrogen, fluorine, Silicon hexafluoride – SF6)	N	D
	Compressed air consumption	N	D
	Storage & consumption of laboratory chemicals (including acids, dyes, organic solvents etc.)	N	D
	Storage & consumption of liquid nitrogen	N	D
	Use of industrial alcohol for cleaning	N	D
	Emissions of gaseous fumes from fume cupboards and extraction associated with compressed gas use (chemical preparation & SF6)	N	D
	Radiation from use of radioisotopes	N	D
	Waste electronic equipment (including PC's etc)	N	D
	Waste equipment (capacitors etc) containing polychlorinated biphenyls (PCB's)	N	D
	Waste from clean-rooms including shoe covers, dust mats etc.	N	D
	Waste office paper for recycling	N	D
	Generation and disposal of waste paper	N	D
	Waste ink & toner cartridges	N	D
	Electricity consumption (lighting, air conditioning, PC's & peripherals)	N	D
	Electricity consumption (electron microscopes & associated equipment)	N	D
	Compressed gases (SF6)	N	D
	Emissions of gaseous fumes from extraction associated with compressed gas use (SF6)	N	D
	Photo developer chemical solution	N	D
	Residual samples for disposal	N	D

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
Mechanical Engineering	Chemical use in sample preparation (gold/carbon sputter)	N	D
	Storage & consumption of liquid nitrogen	N	D
	Electricity consumption (lighting, air conditioning, PC's & peripherals)	N	D
	Compressed air consumption	N	D
	Waste office paper for recycling	N	D
	Waste ink & toner cartridges	N	D
	Waste electronic equipment (including PC's etc)	N	D
	Storage & consumption of laboratory chemicals	N	D
	Storage & consumption of liquid nitrogen	N	D
	Storage & consumption of compressed gas in cylinders such as special gases	N	D
	Electricity consumption (research & teaching equipment such as lasers)	N	D
	Generation of exhaust gases from Internal Combustion (IC) engines & test cells	N	D
	Generation of noise from Internal Combustion (IC) engines & test cells	N	D
	Generation and on-site storage (courtyard) of waste and unused lubrication oil	N	D
	Generation of scrap batteries	N	D
	Generation of liquid effluent (basement compressor room)	N	D
	Generation of scrap mechanical equipment	N	D
	Waste office paper for recycling	N	D
	Generation and disposal of waste paper	N	D
	PPRC	Electricity consumption (lighting, lab equipment, air conditioning, PC's & peripherals)	N
Use of raw material (polymers)		N	D
Compressed air consumption		N	D

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
Rotational Moulding	Waste office paper for recycling	N	D
	Waste ink & toner cartridges	N	D
	Waste electronic equipment (including PC's etc)	N	D
	Storage & consumption of liquid nitrogen	N	D
	Waste test pieces (Solid – plastics PE, PP, Nylon etc)	N	D
	Storage & consumption of compressed gas in cylinders (nitrogen, oxygen, carbon dioxide, hydrogen, helium)	N	D
	Excess sample waste returned to supplier	N	D
	Use of Pigments & lubricants (including vacuum & silicone grease	N	D
	Storage & consumption of laboratory chemicals (e.g. KBr for FTIR, Acids, Mercuric compounds)	N	D
	Storage & use of solvents	N	D
	Waste solvent & liquid polymer (non-halogenated) disposal	N	D
	Gaseous emissions from fume cupboards	N/A	D
	Waste spill kits & soiled paper towels	A	D
	Spent samples to bin	N	D
	Aqueous solvent (methanol, acetone) to drain	N	D
	Waste electronic equipment (including PC's etc)	N	D
	Waste ink & toner cartridges	N	D
	Electricity use for lighting & equipment	N	D
	Use of raw material (polymers)		
	Waste plastics for disposal (mainly polyesters, PE, Nylon)	N	D
Waste plastics for recycling (Arthur Davies)	N	D	
Solvent use	N	D	
Fuel gas for ovens	N	D	
Flue gas from ovens (2 No)	N	D	
Products for customers (95% of parts produced)	N	I	

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
<p>Extrusion Hall</p> <p>MPRI</p>	Mould release agent	N	D
	Odour release	A	D
	Waste film & purge waste to dispose (TPE's, PE)	N	D
	Electricity use for lighting & equipment (including oil filled temperature controllers)	N	D
	Use of raw material (polymers)	N	D
	Compressed air consumption	N	D
	Extracted gaseous fumes (ligomers, moisture etc)	N	D
	Extracted gaseous fumes (overheat leading to polymers degradation)	A	D
	Electricity use for lighting & equipment (e.g. mill, ovens etc)	N	D
	DI Water use	N	D
	Use of raw material (polymers)	N	D
	Compressed air consumption	N	D
	Storage & consumption of compressed gas in cylinders (nitrogen, helium)	N	D
	Waste plastic samples for disposal	N	D
Waste plastic samples for return to supplier	N	D	
Waste wipes	N	D	
<p>Electrical & Electronic Engineering</p>	Waste sharps in boxes for disposal	N	D
	Storage & consumption of liquid nitrogen for milling	N	D
	Electricity consumption (lighting, air conditioning, PC's & peripherals)	N	D
	Electricity consumption (research and teaching equipment such as compressors, soldering stations)	N	D
	Compressed gases (including special gases)	N	D

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
	Compressed air consumption	N	D
	Storage & consumption of laboratory chemicals & solvents (e.g. photodeveloper, plating chemicals containing gold/arsenic, IPA, acids, Hydrogen Peroxide)	N	D
	Waste electronic equipment (including PC's etc)	N	D
	Gaseous fumes from PCB manufacture and etching in fume cupboards	N	D
	Aqueous effluent from PCB washing to drain	N	D
	Soldering fumes	N	D
	Use of soldering wire (lead/tin alloy)	N	D
	Chemical waste for disposal (CSS organics)	N	D
	Catalytic scrubbing of toxic gases from vacuum chambers	N	D
	Waste filters from scrubber for disposal	N	D
	Extracted air from toxic gas cabinets to atmosphere	N	D
	Use of fuming etching acids (HF & Nitric)	N	D
	Extraction of acid gas fumes to atmosphere (HF Nitric mix at wet benches)	N	D
	Cleaning with chemicals (IPA/KOH mix & acetone)	N	D
	Drying using nitrogen gas	N	D
	Generation of waste wipes for disposal	N	D
	Use of & disposal to drain of DI water for washing/rinsing (post Bomb & HF process)	N	D
	Condensate from compressors	N	D
	Waste separated oil from condensate for recycling	N	D
	Waste spill kits & PPE for disposal	N	D
	Cooling water to drain	N	D
	Waste batteries for disposal	N	D
	Waste ink & toner cartridges	N	D

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
Electrical Workshop	Waste metals for recycling (copper & steel)	N	D
	Electricity consumption (lighting, equipment & machinery including lathes & CNC equipment)	N	D
	Swarf & off-cuts to waste	N	D
	Lubricating oil	N	D
	Oily rags and soiled paper towels for disposal as refuse	N	<u>D</u>
	Compressed air generation & consumption	N	D
	Larger metal parts & off-cuts for recycling (mainly aluminium)	N	<u>D</u>
	Lubrication oil containers returned to supplier (Mobil)	N	<u>D</u>
	HVAC (basement lab)	N	<u>D</u>
	Mechanical Engineering Labs	Engine exhaust fumes to atmosphere	N
Storage of waste oil for recycling (Atlas)		N	<u>D</u>
Storage of waste fuel for recycling		N	<u>D</u>
Storage & consumption of laboratory chemicals		N	D
Storage & consumption of 'special fuel' in 45 gallon drums		N	<u>D</u>
Fire shut down & emergency fuel dump to basement container		N	<u>D</u>
Compressed gases		N	D
Fume extraction from fume cupboards (acid fumes)		N	<u>D</u>
Packaging waste disposal as refuse (mainly paper & plastic)		N	<u>D</u>
Cooling water use via plume, bleed (cooling tower on roof)		N	<u>D</u>
Propane gas use	N	<u>D</u>	
Waste wood for disposal as refuse (pallets, crates)	N	<u>D</u>	

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
CSS	Samples for disposal – non hazardous	N	D
	Aqueous non-hazardous sample to drain	N	D
	Effluent from customers for jar testing (25 litre drums)	N	D
	Use of & disposal to drain of DI & ultra pure water (& associated reject)	N	D
	Autoclaved waste for non-hazardous disposal	N	D
	Use of disinfectant chemicals (Virkon)	N	D
	Storage and use of Radioisotopes	N	D
	Production of bio-products in fermentors	N	D
	Disposal of bio-products in fermentors	N	D
	Bio waste for incineration at MBC	N	D
	Sharps for hazardous waste disposal	N	D
	Waste ink & toner cartridges (recycled)	N	D
	Waste office paper for recycling	N	D
	Electricity consumption (lighting, air conditioning, PC's & peripherals, apparatus & equipment)	N	D
	Storage & consumption of compressed gas in cylinders (carbon monoxide, helium, hydrogen, nitrogen)	N	D
	Storage & consumption of laboratory chemicals & solvents	N	D
	Disposal of waste solvents (McQuillan 50 litres every 2-weeks)	N	D
	Generation and use of DI & distilled water	N	D
	Cooling water to drain	N	D
	Disposal of redundant and waste laboratory chemicals (haz)	N	D
Effluent from automatic dishwasher	N	D	
Broken glass to disposal	N	D	

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
Environmental Planning	Electricity consumption (lighting, air conditioning, PC's & peripherals)	N	D
	Waste office paper for recycling	N	D
	Waste ink & toner cartridges (recycled for charity – Action Cancer or returned to Computer Services)	N	D
	Use of PVA adhesive	N	D
	Smoking on roof	N	D
	Refuse (including aluminium cans) to skip	N	D
	Northern Ireland Technology Centre (NITC)	Electricity consumption (lighting, air conditioning, PC's & peripherals & equipment)	N
Use of epoxy resins, polyurethane resins & silicone rubber		N	D
Storage & consumption of laboratory chemicals & solvents		N	D
Storage & consumption of TPM (cleaning chemical)		N	D
Storage & consumption paint in aerosols (cellulose)		N	D
Disposal of filters from spray paint booth to general waste		N	D
Soldering fumes		N	D
Waste wipes & PPE		N	D
Storage of bulk waste solvent in 2*50 gallon drums (unbanded)		N	D
Gaseous emissions from curing oven to atmosphere		N	D
Waste moulds to no hazardous waste disposal		N	D
Spent lasers from laser machine		N	D
Swarf (mainly aluminium) for disposal via Mechanical workshop		N	D
Swarf to reuse disposal (tooling plate)		N	D
Waste coolant (biodegradable) to drain		N	D

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
Chemical Engineering	Waste lube oil & coolant to disposal via Safety Services	N	D
	Generation & use of compressed air	N	D
	Unbanded storage of lube oil (25 l drums)	N	D
	Weld fumes extracted to atmosphere	N	D
	Waste toners/cartridges to Computer Services	N	D
	Waste electronic equipment (including PC's which have been resold in past)	N	D
	Electricity consumption (lighting, air conditioning, PC's & peripherals, apparatus & equipment including chillers, microwaves, dryers, furnace, fermentors, cold room, vacuum pump)	N	D
	Compressed gases (nitrogen, helium argon, butane)	N	D
	Compressed air consumption	N	D
	Storage & consumption of compressed gas in cylinders (oxygen, hydrogen, nitrogen, carbon dioxide, NO _x , SO _x)	N	D
	Storage & consumption of laboratory chemicals (acids, bases & dry chemicals)	N	D
	Aqueous dye effluent to drain	N	D
	Storage & consumption of solvents including hexane, ethanol, methanol, petroleum ether, acetone	N	D
	Segregation and disposal of chlorinated and non-chlorinated solvents	N	D
	Consumption of compressed air	N	D
	Consumption of propane for steam generation	N	D
	Disposal of steam condensate to drain	N	D
	Chemical waste (COD vials) to Clearway for disposal in Winchesters	N	D
	Chemical waste to Clearway for disposal annually (via Safety Services)	N	D
	Use & disposal of pharmaceuticals including aspirin, paracetamol and additives (maize starch & lactose sugar)	N	D

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
Chemistry (including Chemistry Stores, Glassblowers & Chemistry Workshops)	Waste equipment (metals) to scrap merchants for recycling	N	D
	Odour emissions from Reed Bed apparatus Extracted to atmosphere)	N	D
	Use & disposal of disinfectant chemicals (Virkon)	N	D
	Disposal of treated effluent (pig effluent & landfill leachate) to drain	N	D
	Generation & consumption of DI water	N	D
	Gaseous emissions from fume cupboards (inc. NO _x , SO _x)	N	D
	Storage & consumption of LN	N	D
	Clinical waste disposal (sharps boxes)	N	D
	Disposal of used PPE (nitrile gloves) to refuse	N	D
	Biological waste autoclaved then binned to refuse disposal	N	D
	Biological waste not autoclaved disposal in bio-hazard bags	N	D
	Laundry for soiled laboratory coats (Central laundry services)	N	D
	Waste electronic equipment (including PC's to skip)	N	D
	Waste toners/cartridges to Computer Services	N	D
	Waste paper to recycling (Wilson Waste)	N	D
	Waste packaging to skip (card & plastic)	N	D
	Electricity consumption (lighting, air conditioning, PC's & peripherals, apparatus & equipment including NMR, Mass spec, fridges)	N	D

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
	Compressed gases (nitrogen, helium argon, butane)	N	D
	Compressed air consumption	N	D
	Storage & consumption of compressed gas in cylinders (oxygen, hydrogen, nitrogen, carbon dioxide, acetylene)	N	D
	Segregated storage & consumption of laboratory chemicals (acids, bases & dry chemicals)	N	D
	Segregated storage & consumption of solvents (including 200 l drums of absolute ethanol)	N	D
	Segregation and disposal of redundant chemicals	N	D
	Use, storage & disposal of Radiochemicals (Thorium, Uranium)	N	D
	Disposal of waste Winchesters and plastic containers (washed and dried) as general waste to skip	N	D
	Segregation and disposal of chlorinated and non-chlorinated solvents	N	D
	Storage and usage on non-ordered chemicals (free samples)	A	D
	Gaseous emissions from fume cupboard (acids, solvents)	N	D
	Clinical waste disposal (sharps boxes)	N	D
	Aqueous chemicals flushed to drain	N	D
	Cooling water to drain	N	D
	Disposal of used PPE (nitrile gloves etc.) to refuse	N	D
	Undesignated storage of waste chemicals for disposal	A	D
	Consumption of compressed air	N	D
	Waste equipment (metals) to scrap merchants for recycling	N	D
	Generation & consumption of DI water	N	D
	Storage & consumption of LN (500 litre tank dispensed to 180, 240 & 25 litres tanks)	N	D
	Storage & consumption of dry ice (Polar Ice)	N	D
	Storage & consumption of liquid helium	N	D

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
Pharmacy	Use of fuel gas (glassblowers) LPG, STG, Oxygen	N	D
	Disposal of broken glass to general refuse in boxes	N	D
	Disposal of machining waste (swarf etc) as refuse	N	D
	Disposal of machining waste (wood, MDF) as refuse	N	D
	Use of coolant	N	D
	Vacuum generation	N	D
	Welding consumables	N	D
	Gaseous emissions of weld fumes	N	D
	Laundry for soiled laboratory coats (Central laundry services)	N	D
	Generation & consumption of DI water	N	D
	Waste electronic equipment (including PC's to skip)	N	D
	Waste toners/cartridges to STNI for recycling	N	D
	Waste paper to recycling (Wilson Waste)	N	D
	Waste packaging to skip (card paper, plastic & wood)	N	D
	Electricity consumption (lighting, air conditioning, PC's & peripherals, apparatus & equipment including autoclaves, fridges, freezers, cold room, vending machines)	N	D
	Natural gas and LPG consumption	N	D
	Compressed air consumption (ring main)	N	D
	Storage & consumption of compressed gas in cylinders (oxygen, hydrogen, nitrogen)	N	D
	Storage & consumption of laboratory chemicals & solvents	N	D
	Disposal of redundant and waste laboratory chemicals (haz)	N	D
Storage & consumption of liquid nitrogen	N	D	
Waste solvent (e.g. from HPLC) for disposal (chlorinated and non-chlorinated)	N	D	

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
	Waste Para formaldehyde for disposal	N	D
	Effluent to drain (used Virkon & Pyroneg solutions)	N	D
	Effluent to drain (aqueous non hazardous solutions)	N	D
	Effluent to drain (enzyme waste)	N	D
	Autoclaved plastic to non haz waste disposal	N	D
	Hazardous waste disposed via Safety Services	N	D
	Biological hazardous waste to disposal by incineration (including animal waste)	N	D
	Biological hazardous waste (sharps boxes) for disposal	N	D
	Non hazardous waste to skip (broken glass, hydrogels etc.)	N	D
	Gaseous emissions from fume & biological safety cupboards (odours, acid fumes etc)	N	D
	Waste PPE & wipes for clinical waste disposal	N	D
	Antibiotic chemical waste (autoclaved) for non hazardous disposal	N	D
	Waste filters from biological safety cabinets for disposal (DDS)	N	I
	Storage & use of radiochemicals (small amounts of ³ H, ¹⁴ C, ¹²⁵ I, ²⁵ S)	N	D
	Liquid effluent from autoclaves to drain	N	D
	Waste electronic equipment (including PC's etc)	N	D
	Waste drugs for clinical waste disposal	N	D
	Waste ink & toner cartridges (recycled for charity)	N	D
	Waste office paper for recycling	N	D
	Waste packaging (card, plastic, wood)	N	D
	Effluent from automatic dishwasher	N	D
	Waste Winchester's for disposal	N	D
	Use of X-ray equipment	N	D
	Lubricating oil for vacuum pump	N	D

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
Nursing & Midwifery	Waste Winchesters for disposal	N	D
	Gas & electric welding consumables	N	D
	Solder, welding & machining fumes extract	N	D
	Swarf from workshop for disposal as non-haz waste to skip	N	D
	Manufacture & use of Dry Ice	N	D
	Leakage from clinical waste bags	A	D
	Dirty lab coats for laundry	N	D
	Effluent from automatic dishwashers	N	D
	Use of poison compressed gas (Nitric Oxide)	N	D
	Electricity consumption (lighting, air conditioning, photocopiers, PC's & peripherals)	N	D
	Waste electronic equipment (including PC's etc)	N	D
	Waste ink & toner cartridges (recycled to Computer Services)	N	D
	Waste office paper for recycling	N	D
	Waste packaging (card, plastic)	N	D
	Use of Colodrin (flammable)	N	D
Use of medical air & oxygen in cylinders	N	D	
Mercury spill kits	N	D	
Sterilisation chemicals	N	D	
Biology & Biochemistry	Electricity consumption (lighting, air conditioning, PC's & peripherals, apparatus & equipment including autoclaves, fridges, freezers, cold rooms, centrifuges, incubators)	N	D
	Use of refrigerants in equipment (including coolers, centrifuge)	N	D
	Compressed air consumption (ring main)	N	D

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
	Storage & consumption of compressed gas in cylinders (oxygen, carbon dioxide, Argon, Carbogene, OFN & special gas mixtures)	N	D
	Storage, use & disposal of radiochemicals	N	D
	Use and emission of Formalin vapour for fumigations	N	D
	Storage & consumption of laboratory chemicals (including organic and inorganic acids) & solvents (including diethyl ether, acetonitrile, acetone)	N	D
	Storage & consumption dangerous & explosive chemicals	N	D
	Storage & consumption 50 gallon drums of absolute alcohol & industrial meths	N	D
	Waste PPE & wipes for clinical waste disposal	N	D
	Waste spill kit material (5 No. spill kits) for disposal	N	D
	Disposal of redundant domestic & industrial fridges	N	D
	Disposal of waste animal materials to supplier (Mulhollands)	N	D
	Disposal of redundant and waste laboratory chemicals (haz)	N	D
	Storage & consumption of liquid nitrogen	N	D
	Generation and use of DI & distilled water	N	D
	Waste solvent for disposal (chlorinated and non-chlorinated)	N	D
	Effluent to drain (used Virkon solution)	N	D
	Effluent to drain (aqueous non hazardous solutions)	N	D
	Autoclaved plastic to non haz waste disposal	N	D
	Hazardous waste disposed via Safety Services	N	D
	Biological hazardous waste to disposal by incineration (including animal waste)	N	D
	Biological hazardous waste (sharps boxes) for disposal	N	D
	Non hazardous waste to skip (broken glass etc.)	N	D

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
Oncology	Gaseous emissions from fume & biological safety cabinets (inc acids/solvent)	N	D
	Emissions of steam/water vapour from autoclave room	N	D
	Liquid effluent from autoclaves to drain	N	D
	Waste electronic equipment (including PC's etc)	N	D
	Waste ink & toner cartridges (recycled for charity – NI Hospice)	N	D
	Waste office paper for recycling	N	D
	Waste packaging (card, plastic, wood)	N	D
	Waste Winchesters for disposal	N	D
	Waste Winchesters causing skip fires	E	D
	Solder, welding & machining fumes extract from workshop	N	D
	Dirty lab coats for laundry	N	D
	Effluent from automatic dishwashers (2 Meile)	N	D
	Electricity consumption (lighting, air conditioning, PC's & peripherals, apparatus & equipment including fridges, freezers, centrifuge, incubators, autoclave, vacuum pump, cold room)	N	D
	Compressed gases (CO ₂)	N	D
	Storage & consumption of laboratory chemicals (acids, bases & dry chemicals)	N	D
Storage & consumption of radiochemicals (inc. ³⁵ S)	N	D	
Storage & consumption of radiochemicals (inc. ³⁵ S)	N	D	
Storage and consumption of proprietary photo developer & fixer chemicals	N	D	

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
	Storage & consumption of solvents including methylated spirit, ethanol, methanol, xylene, chloroform, IPA	N	D
	Disposal of aqueous solvent and chemicals to drain	N	D
	Segregation of chlorinated/non-chlorinated solvent for disposal by Safety Services	N	D
	Clinical waste for disposal in yellow bins/bags	N	D
	Lube oil for vacuum pump	N	D
	Waste PPE & wipes for disposal in yellow bins/bags	N	D
	Clinical waste for disposal in yellow bins/bags for incineration (Cytotoxic waste)	N	D
	Segregated cardboard waste for compaction	N	D
	Autoclaved waste (mainly plastic) for disposal in yellow bags	N	D
	Controlled gaseous emissions from Biological Safety Cabinets	N	D
	Emissions of vaporised formaldehyde from fumigation of Biological Safety Cabinets	N	D
	Use & disposal of disinfectant chemicals (Virkon)	N	D
	Segregation and disposal of chlorinated and non-chlorinated solvents	N	D
	Disposal of broken glass (sterilised) and aerosols in 'Magpie' boxes	N	D
	Laundry for soiled laboratory coats (hospital laundry services)	N	D
	Consumption of natural gas (Bunsen burners & lab equipment)	N	D
	Storage & consumption of LN	N	D
	Waste paper to refuse (hospital does not have recycle stations)	N	D
	Laser cartridges returned to computer services	N	D
	Ink cartridges to refuse	N	D

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
Anatomy	Waste paper to refuse (hospital does not have recycle stations)	N	D
	Laser cartridges returned to computer services	N	D
	Ink cartridges to refuse	N	D
	Electricity consumption (lighting, air conditioning, PC's & peripherals, apparatus & equipment including fridges, freezers, incubators & electron microscope)	N	D
	Storage & consumption of compressed gas in cylinders (oxygen, carbon dioxide, Argon, OFN)	N	D
	Storage, use & disposal of radiochemicals	N	D
	Storage & consumption of laboratory chemicals (including acids & alkalis) & solvents (including ethyl benzene, xylene, chloroform, phenol)	N	D
	Clinical waste for disposal in yellow bins/bags by Safety Services	N	D
	Waste PPE & wipes for clinical waste disposal	N	D
	Disposal of redundant and waste laboratory chemicals (haz)	N	D
	Waste packaging to skip (card paper, plastic & wood)	N	D
	Consumption of waxes & epoxy resins, propylene oxide and heavy metal dyes	N	D
	Consumption mains gas & butane	N	D
	Storage & consumption of liquid nitrogen	N	D
	Lube oil for sample cutting	N	D
	Oil mist filters from sample cutting	N	D
	Unbanded storage of diethyl ether	N	D
Generation and use of DI & distilled water	N	D	
Waste solvent for disposal (chlorinated and non-chlorinated)	N	D	
Effluent to drain (aqueous non hazardous solutions)	N	D	

Activity	Aspect	Condition: Normal (N) Abnormal (A) Emergency (E)	Impact: Direct (D) Indirect (I)
	Clinical waste (sharps boxes) for disposal	N	D
	Non hazardous waste to skip (broken glass etc.)	N	D
	Storage and use of chemical with no MSDS (Biodur)	A	D
	Plastination process using acetone & silicone rubber	N	B
	Fume emissions from Plastination process	N	B
	Consumption and disposal of formaldehyde solution from sample preservation and storage (to drain)	N	D
	Gaseous emissions of solvent fumes to atmosphere	N	D
	Human materials for disposal as per Anatomy Order	N	D
	Waste electronic equipment (including PC's etc)	N	D
	Waste ink cartridges (recycled for charity – NI Hospice)	N	D
	Waste toner cartridges (recycled via Computer Services)	N	D
	Waste office paper for recycling (Wilson Waste)	N	D