

Work Place Risk Assessment Form

Name of person completing the risk assessment:	Scott Poyer, Richard Jones	Reference No.	NC-001-014	Date and time completed:	30/10/2020
Location and description of work area being assessed:	Natural UK Healthcare Waste Management Facility – All areas on site.				
Description of task being assessed:	Environmental Impact of treating, processing and transfer of healthcare wastes including hazardous clinical waste and non-hazardous, non-infectious, segregated, offensive hygiene wastes				
Any relevant notes:	Additional tool box talks are conducted and apply to all stated hazards below				

What is the hazard?	Who might be harmed?	How might they be harmed?	Existing risk controls measures:	Current risk rating			Additional control measures:	New risk rating		
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BIO AEROSOLS Transmission of potentially Harmful microorganisms	Staff, visitors, public, wildlife	Harm to human health infections, illness and disease	<ul style="list-style-type: none"> - Waste is only accepted in sealed bags or UN approved containers - Hazardous waste is kept in sealed lockable containers - Waste processing to be carried out within sealed or shielded equipment to minimise the emission of aerosols into the atmosphere - Surfaces of process equipment and floor area regularly cleaned and disinfected - Waste storage bays emptied periodically and disinfected - Waste to be transferred or treated as soon as practicable to reduce time in storage - All waste activities to take place within the building. - Doors to treatment and transfer areas to be kept closed when operational - Access to treatment & processing areas limited to operational personnel only - Machinery to be cleaned and disinfected as far as practical before any maintenance carried out - Appropriate PPE to be worn in operational areas: High Viz, overalls (disposable or reusable washed regularly) & disposable gloves - Personal hygiene: removal of PPE and washing hands before drinking or eating - Weekly environmental inspections - Incident reporting procedures - Bio aerosol Management Plan - Bio aerosol Management Plan & risk assessment reviewed in response to any incidents and annually as a minimum - Background microbiological monitoring of airborne emissions in operational areas tested by third party laboratory - Vaccinations offered to all operational staff for Hepatitis A & B 	2	4	8	<ul style="list-style-type: none"> - Facemasks/visors/goggles/waterproof safety boots/hardhats to also be worn in NappiCycle wet processing areas - Use of Ozone generator 	1	4	4

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DUST Transmission of potentially harmful dust particles	Staff, visitors, public, wildlife	Harm to human health eye irritation/ eyes and lungs and respiratory , illness and disease	<ul style="list-style-type: none"> - Waste is only accepted in sealed bags or UN approved containers - Hazardous waste is kept in sealed lockable containers - Waste processing to be carried out within sealed or shielded equipment to minimise the emission of airborne dust - Processing equipment for dry dusty materials to be fitted with filters and or dust extraction systems where applicable to reduce generation of harmful airborne dust - Surfaces of process equipment and floor area regularly cleaned down - Waste to be transferred or treated as soon as practicable to reduce time in storage - All waste activities to take place within the building. - Doors to treatment and transfer areas to be kept closed when operational - Access to treatment & processing areas limited to operational personnel only - Machinery to be cleaned as far as is practical before any maintenance carried out - PPE to be worn in operational areas: High viz,,overalls (disposable or reusable washed regularly) & disposable gloves - Personal hygiene: removal of PPE and washing hands before drinking or eating - Weekly environmental inspections - Incident reporting procedures - Dust Management Plan - Dust Management Plan & risk assessment reviewed in response to any incidents and annually as a minimum 	2	4	8	-	Facemasks and visors or goggles to also be worn in NappiCycle dry processing areas	1	4	4
LITTER	Staff, visitors, public wildlife, environment	Pollution to the environment & nuisance	<ul style="list-style-type: none"> - Waste is only accepted in sealed bags or UN approved containers - Surfaces of process equipment and floor area regularly cleaned - Waste to be transferred or treated as soon as practicable to reduce time in storage - All waste activities to take place within the building. - Doors to treatment and transfer areas to be kept closed when operational - Loading of output materials to be undertaken inside building as far as practicable - All output materials storage containers and skips to be covered to prevent wind blown litter - Weekly environmental inspections to include walk around perimeter fence to check for litter - Regular cleaning of external yard area to remove any litter (use mechanical vacuum unit) - Incident reporting procedures - Litter Management Plan - Litter Management Plan & risk assessment reviewed in response to any incidents and annually as a minimum 	2	1	2	-	None	2	1	2

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ODOUR	Staff, visitors, public	Nuisance	<ul style="list-style-type: none"> - Waste is only accepted in sealed bags or UN approved containers - Reusable waste storage containers cleaned & dis-infected before leaving site. - Surfaces of process equipment and floor area regularly cleaned and disinfected - Waste storage bays emptied periodically and disinfected - Waste to be transferred or treated as soon as practicable to reduce time in storage - All waste activities to take place within the building. - Doors to treatment and transfer areas to be kept closed when operational - Weekly environmental inspections - Incident reporting procedures - Odour Management Plan - Odour Management Plan & risk assessment reviewed in response to any incidents and annually as a minimum 	2	1	2	- Use of Ozone generator	2	1	3
NOISE & VIBRATION	Staff, visitors, public, wildlife, environment	Musculoskeletal injuries, tenosynovitis, Nuisance	<ul style="list-style-type: none"> - Unacceptable noise levels from processing equipment to be minimised by encasing or shielding with acoustic insulation - Plant and equipment to be regularly maintained to ensure all moving parts are well lubricated to minimise the generation of metal on metal noise and vibration - All waste activities to take place within the building - Doors to treatment and transfer areas to be kept closed when operational - Access to treatment & processing areas limited to operational personnel only - Machinery to be cleaned as far as is practical before any maintenance carried out - PPE to be worn in operational areas: Overalls (disposable or reusable washed regularly) & disposable gloves - A noise survey to be carried out to establish noise levels in operational areas and at the perimeter fence - Weekly environmental inspections - Incident reporting procedures - Noise & Vibrations Management Plan - Noise & Vibrations Management Plan & risk assessment reviewed in response to any incidents and annually as a minimum 	2	3	6	<ul style="list-style-type: none"> - Ear defenders to be used if noise levels around specific machines are deemed unsafe - Protective gloves to be used if using vibrating machinery & tools 	1	3	3
FIRE	Staff, visitors, public, wildlife, environment	Injuries, burns, smoke inhalation, loss of life.	<ul style="list-style-type: none"> - Site bounded by security fencing and hedges - Site covered by security cameras with remote surveillance - Site operational day and night - Site access gates and doors locked when not operational - Fire risk assessment in place. - Smoke detectors and fire alarms - Fire extinguishers strategically located around operational; and office spaces - Emergency spill kits and drain covers to assist on controlling potentially contaminated water used to put out fire - Weekly environmental inspections - Incident reporting procedures - Emergency Management Plan - Emergency Management Plan & risk assessment reviewed in response to any incidents and annually as a minimum 	1	5	5	- No additional measures introduced.	1	5	5

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VANDALISM	Staff, visitors, public, wildlife, environment	Harm to human, animal health and environment from escape of waste or chemicals due to vandalism	<ul style="list-style-type: none"> - Site bounded by security fencing and hedges - Site covered by security cameras - Site operational day and night - Site access gates and doors locked when not operational - High intensity lighting covering site - Smoke detectors and alarms - Weekly environmental inspections - Incident reporting procedures - Emergency Management Plan - Emergency Management Plan & risk assessment reviewed in response to any incidents and annually as a minimum 	1	2	2	-	No additional measures introduced	1	2	3
VERMIN & INSECT Infestation by vermin or insects e.g. rats, flies, birds	Staff, visitors, public.	Harm to human health from transfer of waste off site, transmission of disease and nuisance.	<ul style="list-style-type: none"> - Waste is only accepted in sealed bags or UN approved containers - Hazardous waste is kept in sealed lockable containers - Surfaces of process equipment and floor area regularly cleaned and disinfected - Waste storage bays emptied periodically and disinfected - Waste to be transferred or treated as soon as practicable to reduce time in storage - All waste activities to take place within the building. - Doors to treatment and transfer areas to be kept closed when operational - Access to treatment & processing areas limited to operational personnel only - Machinery to be regularly cleaned and disinfected as far as practical - Regular inspection and maintenance contract with third party Pest Control Contractor - PPE to be worn in operational areas: Overalls (disposable or reusable washed regularly) & disposable gloves - Weekly environmental inspections - Incident reporting procedures - Vermin & Insect Management Plan - Vermin & Insect Management Plan & risk assessment reviewed in response to any incidents and annually as a minimum 	3	2	6	-	No additional measures introduced	3	2	6
FLOODING from external sources causing release of wastes to environment	Staff, visitors, public, wildlife, environment	Harm to human, animal and environment in and around the facility.	<ul style="list-style-type: none"> - Planning approved that the site is not at risk from flooding. - Waste storage and treatment buildings are located several metres above low point of industrial estate on access roads - Industrial estate is serviced by storm water drainage system managed by water utility company - Emergency management plan - Emergency Management Plan & risk assessment reviewed in response to any incidents and annually as a minimum 	1	3	3	-	No additional measures introduced.	1	3	3

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SPILLAGE run off of potentially polluting liquids from waste & treatment process	Staff, visitors, public, wildlife, environment	Harm to human, animal and environment in and around the facility.	<ul style="list-style-type: none"> - Waste is only accepted in sealed bags or UN approved containers - Hazardous waste is kept in sealed lockable containers - Waste processing to be carried out within sealed or shielded equipment to minimise the leakage of process and waste liquids - Waste storage bays emptied periodically and disinfected - Waste to be transferred or treated as soon as practicable to reduce time in storage - All waste processing and treatment activities to take place within the building on a sealed impermeable concrete hardstand. - All waste processing and treatment using liquids shall be serviced by suitable floor drainage to contain and direct any leakage or spillage to foul sewer - Wet processing areas to be protected by perimeter wall bunding - Doors to treatment and transfer areas to be kept closed when operational - All high pressure washing and cleaning to be undertaken on sealed floors with drainage containment to foul sewer - All oils, fuels and chemicals to be used on site shall be stored in sealed containers within protective bunded areas and or containers in accordance with GPP 2 & 26 guidance - Emergency spill kits for oils and chemicals will be strategically located within operational areas. - Spill kits will contain absorbent pads, socks, booms, granules and temporary drain covers - PPE to be worn in operational areas: Overalls (disposable or reusable washed regularly) & disposable gloves Note: Emergency disposable PPE available in Emergency Spill Kits - Weekly environmental inspections - Incident reporting procedures - Nearest watercourse and areas of a sensitive nature noted on Working Plan - Spillage Management Plan & Emergency Plan - Spillage Management Plan & risk assessment reviewed in response to any incidents and annually as a minimum 	2	3	6	- No additional measures taken.	2	3	6
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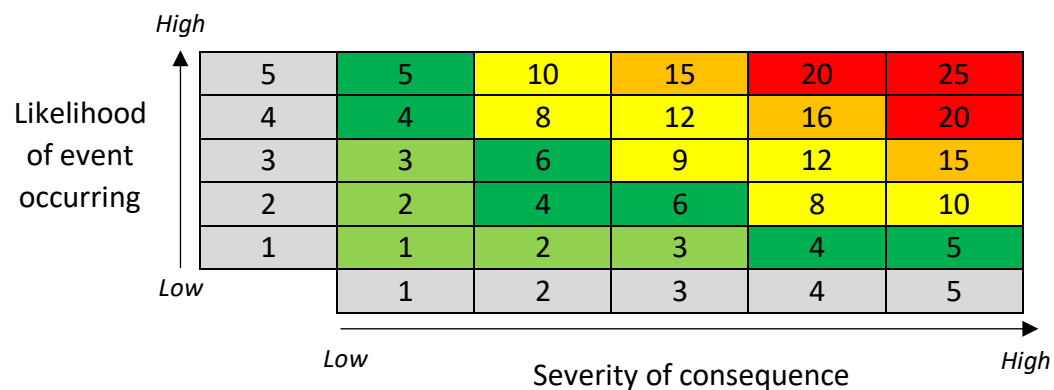
Review date:	30/10/2021	Signature of person completing the risk assessment:	
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Risk rating calculator

Likelihood that the hazardous event will occur:	
1	Very unlikely
2	Unlikely
3	Fairly likely
4	Likely
5	Very likely

Consequence of the hazardous event should it occur:	
1	Insignificant – no injury
2	Minor – Minor injuries requiring first aid
3	Moderate – Up to three days absence
4	Major – More than seven days absence
5	Catastrophic - Death



Action level table

Risk rating:	Action:
20-25	STOP – Stop activity and take immediate action
15-16	URGENT ACTION – Take immediate action and stop activity if necessary, maintain existing controls rigorously
8-12	ACTION – Improve within specified timescales
4-6	MONITOR – Look to improve at the next review or if there is a significant change
1-3	NO ACTION – No further action but ensure controls are maintained and reviewed