GENERAL HEALTH AND SAFETY RISK ASSESSMENT FORM

| Site | **Ecolab & BAQs site** | **Department** | **CoLES/GEES** | **Version / Ref No.** | **1.3** |
| --- | --- | --- | --- | --- | --- |
| **Activity Location** | **Initial return to campus** | **Activity Description** | **Return to Campus COVID-19: Building Risk Assessment****5 staff for research work and core support in Ecolab and BAQs air monitoring station on Elms Road site**  |
| **Assessor** | **Eimear Orgill** | **Assessment Date** | **07/07/2020** | **Date of Assessment Review** | **24/07/2020** |
| **Academic / Manager Name** | **Richard Marguerie de Rotrou** | **Academic / Manager Signature** |  |
| Hazard Assessment | Control Assessment | Actions |
| Hazard Category | Hazards Identified | Who might be harmed?StaffStudentsContractors Others | How might people be harmed? | Existing Control Measures | Initial Risk Rating | Are these adequate?Yes/No | Changes to/ Additional Controls | Residual Risk Rating | Owner | Due Date | Action Complete |
| S | L | R |  | S | L | R |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Organisational | Psychological well being | Staff | Anxiety and stress caused by concerns around returning to work and studies on Campus | Regular communication is in place (individual and group) via Communication from College Board and HoS via emails to all members of the School from HoS and from the Health and Safety Committee, via virtual School meetings of all staff, and via virtual group or one to one meetings between line managers/PIs to ensure staff and students are not ill-informed about returning to work safely.Advice is shared with staff members and staff have been fully briefed and kept up to date with current advice on staying protected through the University’s lines of communications (i.e. line managers, Internal Comms) and shared with staff via virtual *team meeting, one to one meetings, emails from health and safety committees* and the University’s Coronavirus FAQs [click here](https://intranet.birmingham.ac.uk/staff/coronavirus/faqs-for-staff.aspx):New workplace/controls put in place to reduce risk of exposure to COVID 19 are documented in procedures and policies and disseminated to employees through Line Managers and PI’s. These include:* ***Social distancing: General guidance for staff and students***
* ***Social distancing: Buildings adaptations guidance***
* ***Social distancing: Building checklist***
* [***On-line induction materials for returning to campus***](https://canvas.bham.ac.uk/enroll/XA9YAJ): combination of the guidance and videos.
* ***Return to Campus COVID-19: Building Risk Assessment* (This completed Risk Assessment)**
 | 3 | 3 | 9 | Yes | Line managers are aware of how big changes to working arrangements may cause additional work-related stress and affect their employees’ mental health and wellbeing. Risk Assessments will be shared with staff via email as part of their induction and made available to staff like all our risk assessments through the shared drive.  | 3 | 2 | 6 | Line Managers / Lab Manager & PIs | 17.07.20 |  |
| Organisational | Psychological well being | Staff | Anxiety and stress caused by concerns around returning to work on Campus | Staff who are in vulnerable groups themselves or caring for others are encouraged to contact their line manager/PIs to discuss their support needs through college email communications and inductions.Any risk assessments for new or expectant mothers reviewed and revised to reflect new working arrangements Reasonable adjustments made, including those needed for PEEPs especially in relation to who will assist with their evacuation in an emergency, to avoid staff that require them including disabled workers being put at a disadvantage. Managers/PIs hold regular virtual informal discussions with their team and look at ways to reduce causes of stress. Concerns on workload issues or support needs are escalated to line manager. | 3 | 2 | 6 | Yes | Employees are made aware of supportive mechanisms available to them (e.g. counselling, occupational health, HR, etc) through line managers, internal communications and University webpages: <https://intranet.birmingham.ac.uk/staff/coronavirus/faqs-for-staff.aspx><https://intranet.birmingham.ac.uk/hr/wellbeing/index.aspx><https://intranet.birmingham.ac.uk/hr/wellbeing/workhealth/index.aspx> | 3 | 2 | 6 | Line managers/PIs | Ongoing |  |
| Biological | Virus transmission in the workplace | Staff/Contractors | Exposure to respiratory droplets carrying COVID-19 from an infectious individual transmitted via sneezing, coughing or speaking. | ***Specific individual worker/student risk assessment*** undertaken for those who have a self-declared health condition which could increase their risk profile.***Social distancing: Ecolab/BAQs Building checklist***has been completed to identify the control measures to consider reducing the risk of workplace infections.Staff continue to work remotely where possible.Managers ensure staff with any form of illness do not attend work and actions to be taken if this situation arises.Posters are displayed on interior walls that encourage staying home when sick, cough and sneeze etiquette.Specific risk assessments have been completed for each laboratory with detailed local instructions and emailed to all lab users as part of the induction. They are stored on LES shared drive.The University’s [***On-line induction materials for returning to campus***](https://intranet.birmingham.ac.uk/staff/coronavirus/essential-resources-and-checklist.aspx) combination of the guidance and videos have been provided and completed for all staff returning to work in University buildings*.* To help with consistency and adherence to building specific measures such as access routes, occupancy limits etc. staff from other departments accessing the building (such as cleaning and Estates) have received a building specific induction including information and inductions from the laboratory manager.Posters are displayed on the interior walls that encourage staying home when sick, cough and sneeze etiquette.Managers keep track of when staff can return to work after the symptom free period. Details of who will be on the site on any one day, and the main location in which they work, will be provided by PIs to the College Ops Manager at least one week in advance.Security updated on a weekly basisUn-essential trips across sites discouraged and reduced. | 3 | 3 | 9 | Yes | Schedules for essential services and contractor visits revised to reduce interaction and overlap between people e.g. only contractors allowed in lab space when work is required. All staff will be required to complete a three stage induction, consisting of a Canvas course, powerpoint presentation and reading of local laboratory risk assessements at University, School, and local (e.g. laboratory) level before return to work is permitted. Records of induction will be held centrally by the college. Lines of supervision will be made clear to all staff and contact details displayed prominently for people with responsibility for areas who are working off-campus. All staff who wish to attend Ecolab/BAQs are welcome to help with consistency and adherence to building specific measures such as access routes, occupancy limits etc. Any staff who access the sites will be asked to attend a site specific induction in the same way as all staff who will be entering the site. It is essential Estates and HAS only send staff who have received this induction and have records | 3 | 2 | 6 | School H&S Committee | 17.07.20 |  |
| EnvironmentalEnvironmentalEnvironmentalEnvironmental | Virus transmission in the workplace due to lack of social distancing Virus transmission in the workplace due to lack of social distancing Virus transmission in the workplace due to lack of social distancing Virus transmission in the workplace due to lack of social distancing  | Staff | Exposure to respiratory droplets carrying COVID-19 from an infectious individual transmitted via sneezing, coughing or speaking.Exposure to respiratory droplets carrying COVID-19 from an infectious individual transmitted via sneezing, coughing or speaking.Exposure to respiratory droplets carrying COVID-19 from an infectious individual transmitted via sneezing, coughing or speaking.Exposure to respiratory droplets carrying COVID-19 from an infectious individual transmitted via sneezing, coughing or speaking. | Workplace routines changed to ensure site capacity calculated to maintain social distancing is not exceeded including * Fixed teams or adjusted booking processes in use to reduce the number of people in a lab at the same time to avoid overcrowding.

A phased reoccupation has been put into place. Signage are used for maintaining two metres distance throughout the building/workplace.Staff activities are segregated to promote 2 metres distance including: * Capacity limits of one person at a time have been set for common facility areas (e.g. welfare areas etc.).
* Staff encouraged to remain on-site including bringing their own lunch and, when not possible, maintaining social distancing while off-site.
* Where available safe outside areas used for breaks.

Staff activities are segregated to promote 2 metres distance including: * Areas of work marked out with floor tape to ensure adequate social distancing is in place. Visual management aids in place to remind people of the need for social distancing,
* Headcount capacity to ensure social distances standards have been achieved have been set and displayed in shared laboratories.

Welfare areas use a one out one in policy. All users are encouraged to wash their hands prior to using equipment (kettle) and to wash their hand after use. Additional signage for the correct method for handwashing displayed Social gathering amongst employees have been discouraged whilst at work including meetings where alternative arrangements have been provided normally via virtual meetings. Large gatherings have been cancelled or postponed or alternative IT solutions provided. (Critical Training courses may still be performed but only following the Covid-19 guidance.)PPE provided for individuals pre-Covid-19 is still worn when working in laboratories. The taking of PPE home is not permitted. | 3 | 3 | 9 | Yes | Only essential research workers/core support staff in lab. Working core hours 8am-6pm.Work has been arranged so that staff are able to maintain the government guidelines for social distancing based on our industry which are included in the ***Social distancing: Ecolab/BAQs Building checklist***(The latest Guidance on these measures can be found by clicking the following link [Social Distancing Guidelines](https://www.gov.uk/guidance/social-distancing-in-the-workplace-during-coronavirus-covid-19-sector-guidance#shops-running-a-pick-up-or-delivery-service)). People who are arrive unexpectedly to work will be refused entry. Laboratory manager to be informed immediately. Visits from people outside of the site are managed via remote connection/working where this is an option. Where this is not an option visitor arrangements have been revised to ensure social distancing and hygiene at all times. These measures are monitored by the local supervising staff member and where necessary concerns fed back to the third party manager e.g. LEV inspections and test – Estates Manager, Cleaner – Campus Services Domestic Manager. Managers perform frequent evaluation against social distances controls via regular walkarounds. Staff are reminded on a daily basis by signage of the importance of social distancing both in the workplace and outside of it. Where the social distancing guidelines cannot be followed in full in relation to a particular activity e.g. movement of a heavy piece of equipment, consideration has been given to whether that activity needs to continue, and, if so, all the mitigating actions possible to reduce the risk of transmission between staff have been included in a task specific risk assessment and are being taken. Mitigating actions include: * Further increasing the frequency of hand washing and surface cleaning.
* Keeping the activity time involved as short as possible.
* Using back-to-back or side-to-side working (rather than face-to-face) whenever possible.
* Reducing the number of people each person has contact with by using ‘fixed teams or partnering’ (so each person works with only a few others).
* Re-engineering the technical activity.

Hygiene guidance given during building induction such as avoiding touching eyes, nose, mouth and unwashed hands, cover your cough or sneeze with a tissue, and throw it away in a bin and wash your hands. PHE quick guides for correct donning and doffing of PPE for [non-AGPs.](https://www.gov.uk/government/publications/covid-19-personal-protective-equipment-use-for-non-aerosol-generating-procedures) as well as for[AGPs](https://www.gov.uk/government/publications/covid-19-personal-protective-equipment-use-for-aerosol-generating-procedures). 19 have been utilised for example in best practice for putting on and taking off (donning and doffing). Staff will be reminded that it is standard practice not to wear lab coats outside the lab unless specifically necessary.  | 3 | 2 | 6 | HoS | 17/07/2020 |  |
| Biological Biological | Suspected case of COVID-19 Suspected case of COVID-19  | Staff | Exposure to respiratory droplets carrying and contact with an object that has been contaminated with COVID-19.Exposure to respiratory droplets carrying and contact with an object that has been contaminated with COVID-19. | Response plan in place in the event a confirmed or suspected case of COVID-19 and communicated and includes:* If a person becomes unwell in the workplace with suspected COVID-19, they will be sent home in accordance to the University guidance. Managers will follow the NHS Test and Trace workplace guidance: <https://www.gov.uk/guidance/nhs-test-and-trace-workplace-guidance>
* The area will be cleaned in accordance with the specific Government [guidance](https://www.gov.uk/government/publications/covid-19-decontamination-in-non-healthcare-settings/covid-19-decontamination-in-non-healthcare-settings) and includes:
	+ Cleaning an area with normal household disinfectant after someone with suspected coronavirus (COVID-19) has left will reduce the risk of passing the infection on to other people
	+ Where possible the area will be closed and secure for 72 hours, before cleaning as the amount of virus living on surfaces will have reduced significantly by 72 hours
	+ Disposable gloves, masks and aprons will be worn for cleaning. These will be double bagged, then stored securely for 72 hours then thrown away in the regular rubbish after cleaning is finished
	+ Once symptomatic, all surfaces that the person has come into contact with will be cleaned (including touchpoints)
* Provision and monitoring of adequate supplies of cleaning materials are in place.
* Team briefed in building induction on actions to be taken in the event of someone being suspected of having COVID-19.
* Staff must tell their line manager if they develop symptoms. Absence will be managed in accordance to the University guidance provided.
* Employees to follow the Government advice: <https://www.gov.uk/coronavirus>
* Line managers will maintain regular contact with staff members during this time and monitor for signs of symptoms in the remaining workforce and keep Senior Managers informed of the situation whilst following the Government’s guidance for contact tracing: contact with co-workers: <https://www.gov.uk/guidance/nhs-test-and-trace-workplace-guidance>
* If multiple cases of coronavirus appear in a workplace, an outbreak control team from either the local authority or Public Health England will, if necessary, be assigned to help the University manage the outbreak. The University will seek advice from the local authority in the first instance.
* Staff will be told to isolate because they:
	+ have coronavirus symptoms and are awaiting a test result
	+ have tested positive for coronavirus
	+ are a member of the same household as someone who has symptoms or has tested positive for coronavirus
	+ have been in close recent contact with someone who has tested positive and received a notification to self-isolate from NHS test and trace.
* Line managers hold discussions with their staff to identify those considered in ‘at risk’ groups - which include those who are 70 or over, have a long-term condition, are pregnant or have a weakened immune system, or are living/caring for someone in these groups and will ensure additional measures are put in place to protect them including working from home.
* Staff have been encouraged to download the government COVID-19 contract tracing app.
 | 3 | 2 | 6  | Yes |  |  |  |  | Diretor of Operations | 17/07/2020 |  |
| Biological | Someone entering the workplace with COVID-19 | Staff/Contractors | Exposure to respiratory droplets carrying and contact with an object that has been contaminated with COVID-19. | If a person becomes unwell in a University workplace with suspected COVID-19, they will be sent home in accordance to their company’s guidance. University managers will follow the NHS Test and Trace workplace guidance for any University staff that may have come into contact with them: <https://www.gov.uk/guidance/nhs-test-and-trace-workplace-guidance> | 3 | 3 | 9 | Yes | Companies who regularly attend or work in the building requested to provide their health and safety policy/arrangements / or RAMS (risk assessment and method statement) regarding COVID-19. Services are working with the University’s supply chain to ensure that they’re adopting good practices to prevent the spread of COVID-19 to discuss arrangements and control measures. Anybody visiting site will be informed that they are not to enter if they’re experiencing COVID-19 symptoms or should be self-isolating under the government Guidelines. | 3 | 2 | 6 | Building & Facilities Team | Ongoing |  |
| EnvironmentalEnvironmentEnvironmental | Virus transmission in the workplaceVirus transmission in the workplaceVirus transmission in the workplace | Staff | Contact with an object that has been contaminated with COVID-19 and which subsequently transmits this to another person e.g. surfaces, any inanimate objects & touch points including work surfaces, work equipment, door handles, banisters, chair arms and floors.Contact with an object that has been contaminated with COVID-19 and which subsequently transmits this to another person e.g. surfaces, any inanimate objects & touch points including work surfaces, work equipment, door handles, banisters, chair arms and floors. | Individuals have been instructed during building induction and are regularly reminded by signage to clean their hands frequently with soap and water for 20 seconds and the importance of proper drying in accordance with the NHS Guidance:<https://www.nhs.uk/live-well/healthy-body/best-way-to-wash-your-hands/>Individuals are reminded to catch coughs and sneezes in tissues – Follow: “Catch it, Bin it, Kill it” and to avoid touching face, eyes, nose or mouth with unclean hands. Posters are displayed around the interior workplace.Posters are displayed around the interior of the workplace including in welfare facilities.Soap and water and hand sanitiser are provided in the laboratory workplace and adequate supplies are maintained and are placed at the entrance to theEcolab / BAQs building where they will be seen. All laboratories are equipped with hand wash basins and soap dispensers at or near the entrance in Ecolab and additional hand sanitizers in BAQS have been placed in the building. There is limited or restricted use of high-touch items and equipment, for example, printers or whiteboards. Objects and surfaces that are touched regularly are cleaned frequently by lab users, such as door handles and keyboards, and making sure there are adequate disposal arrangements.A detailed list of equipment that is required to be cleaned is developed in each specific risk assessment, including the type of equipment it is, how it is to be cleaned or disinfected, and product availability including that there is a COSSH assessment in place for its use in this wayThere are cleaning procedures for goods and merchandise entering the site. Greater handwashing and handwashing facilities have been introduced for workers handling goods and merchandise and hand sanitiser provided where this is not practical. Non-business deliveries stopped, for example, personal deliveries to workers.COVID-19 cleaning products used have a current valid chemical risk assessment in place and are used in accordance with all prescribed risk controls and monitoring requirements. COSHH forms can be found on shared LES COSHH folder. They are stored so that they are readily available to all users and are labelled according to the Globally Harmonised System of Classification and Labelling (GHS). (See location specific chemical risk assessments for cleaning products used within the area).Everyone is encouraged to keep personal items clean including washing spectacles with soap and water, clean phones, keyboards and shared machinery handles etc. before after and during work. Staff have been encouraged in the building induction to bring their own food and kitchen utensils including mugs/cups, cutlery etc.Lab clothing and equipment such as goggles washed on-site rather than by individual staff members at home.All university staff are encouraged to avoid direct personal contact with others i.e. shaking hands etc. | 3 | 3 | 9 | Yes | To help reduce the spread of coronavirus (COVID-19) individuals are reminded of the public health advice:<https://www.gov.uk/government/publications/coronavirus-outbreak-faqs-what-you-can-and-cant-do/coronavirus-outbreak-faqs-what-you-can-and-cant-do>A review of the cleaning regime for the building/area to ensure controls are in place to keep surfaces clean and free of contamination, cleaning products and disposable cloths have been made available in the laboratory to all occupants and everyone has been briefed on the importance of keeping surfaces and work equipment clean. Sharing of equipment is restricted where possible (and cleaned / disinfected before and after use. Internal doors that **are not** signed as fire doors (unless held open with a mechanical device) kept open whilst working (last person out shuts the doors) to prevent multiple people using door handles.  | 3 | 2 | 6 | HoS/Lab Manager/Ops Manager | 17/07/2020 |  |
| Organisational Organisational | Exposure to Existing HazardsExposure to Existing Hazards | Staff  | Increased risk of harm due to controls included in existing risk assessments & safety arrangements affected by COVID-19 measuresIncreased risk of harm due to controls included in existing risk assessments & safety arrangements affected by COVID-19 measures | All relevant pre-existing (non COVID) risk assessments including lone working assessments and procedures have been reviewed to take into account the impacts of social distancing and other COVID counter measures.PPE related risk assessments have been reviewed to ensure that PPE is provided on an individual basis. Usage is monitored to ensure suitable level of stock of certain PPE such as face masks etc. during this time due to global shortages. Individuals maintain their own equipment in a sterile condition. Storage has been reviewed to provide individual storage arrangements. The taking of PPE home is not permitted.Emergency Procedures reviewed and revised including:* **Communication**: people have been made aware in the building induction and laboratory risk assessments that in an emergency, for example, an accident or chemical spill or fire, people do not have to stay 2m apart if it would be unsafe.
* **Fire procedures:** number and details of nominated fire warden(s) in place, fire muster point confirmed and PEEP requirements defined including who will assist with their evacuation in an emergency.
* **First Aid:** First aid needs assessment reviewed to take into account any new Guidelines issued by the [University](https://intranet.birmingham.ac.uk/staff/coronavirus/faqs-for-staff.aspx) or [HSE](https://www.hse.gov.uk/), and first aid information including the location of first aid kits and first aider contact information up to date.
* **Hygiene:** Washing facilities with soap/gel available (see Cleaning below) in the Ecolab. People involved in the provision of assistance to others have been informed to pay particular attention to sanitation measures immediately afterwards including washing hands.

Business continuity and disaster recovery plans updated based on COVID-19 implications including Contingency plan in place for possible switch back to lockdown. | 3 | 3 | 9 | Yes | Safety critical roles will remain in place to aid safe operation. In the event of safety critical roles not being available then a dynamic risk assessment shall be performed to ensure measures are introduced to mitigate risk (for example, another area within the building or campus could have a critical role such as first aider that could cover as a temporary solution).Life-saving rules, will continue to be governed, enforced and communicated during COVID-19 in particular “speaking up” if they witness any unsafe behaviours, conditions or symptoms related to COVID-19.Anyone who have any concerns should discuss them in the first instance with their PI or line manager, but a system using the generic email address gees-safety@contacts.bham.ac.uk is in place to let any worker raise any issues in confidence | 3 | 2 | 6 | Dom Hickey/Eimear Orgill | 17/07/2020 |  |
| Environmental | Inbound & Outbound Goods including Post | Staff  | Exposure to contact with an object that has been contaminated with COVID-19. | Logistics for the deliveries to the unit so that social distancing can be maintained at all times has been considered and include: * Pick-up and drop-off collection points, procedures, signage and markings revised.
* Unnecessary contact at delivery bay has been minimised e.g. non-contact deliveries where the nature of the product allows for use of electronic pre-booking.
* Methods to reduce frequency of deliveries in place - ordering larger quantities less often.
* Where possible and safe, single workers load or unload vehicles or if not possible the same pairs of people are used for loads where more than one is needed.
* Drivers encouraged to stay in their vehicles where this does not compromise their safety and existing safe working practice, such as preventing drive-ways.
* Electronic paperwork is used where possible, and procedures reviewed to enable safe exchange of paper copies where needed, for example, required transport documents.
* Delivery and receipt confirmation made contactless and physical contact when handing goods over to the customer has been avoided.
* Where possible all deliveries are stripped of all packaging (which is disposed of).
* Strict hand washing procedure in place after handling all deliveries.
* Where possible deliveries to remain isolated and untouched for a minimum of 48 hours.
 | 3 | 2 | 6 | Yes |  |  |  |  | Buildings and facility team | 17/07/2020 |  |
| Environmental | Virus transmission outside of the workplace | Staff  | Exposure to respiratory droplets carrying and contact with an object that has been contaminated with COVID-19. | On the outside / approach to the building there is signage to warn all prior to entering this building social distancing is in place (keep 2m apart).There is signage advising staff to wash their hands regularly and not to touch their face.Building access control is used during busy spells in the building i.e. one out one in by laboratory manager.Controlled access and egress is monitored to ensure it is followed. | 3 | 2 | 6 | Yes |  |  |  |  | Buildings and facility team | 17/07/2020 |  |
| Organisational | Travelling to work | Staff | Exposure to respiratory droplets carrying COVID-19. | Sufficient parking restrictions to maintain social distancing measures in place Workers told to avoid public transport where applicable and using alternatives e.g. cycling, walking to work etc. Where staff are not able to avoid public transport they do so in accordance with Government and University Guidance: <https://www.gov.uk/coronavirus>https://intranet.birmingham.ac.uk/staff/coronavirus/faqs-for-staff.aspx | 3 | 2 | 6 | Yes |  |  |  |  | Estates facility team | Ongoing |  |
| Mechanical | Machinery & Equipment | Staff  | Exposure to respiratory droplets carrying and contact with an object that has been contaminated with COVID-19. |  | 3 | 3 | 9 | Yes | Equipment and surfaces that are touched regularly will be frequently cleaned by the facility users and disinfected with 70% ethanol solution. Including prior to and after use by each user and will be applied for 1 minute following WHO guidance provided. Sterilising chemicals and cloths are provided in the laboratory area to clean machines and equipment prior to the commencement of work and upon completion. If machines and equipment are shared, sterilising will be carried out between operations. | 3 | 2 | 6 | Owner of space | Ongoing |  |
| Environmental | Ventilation | Staff | Exposure to respiratory droplets carrying COVID-19. | Recirculation of unfiltered air within the workplace has been avoided or reduced as far as possible. | 3 | 2 | 6 | Yes | All ventilation has been serviced as required. All filters have been changed as required.Building users are encouraged where possible to ensure windows are open. | 3 | 2 | 6 | B&F Team | 17/07/2020 |  |
|  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |

**Risk Assessment Guidance**

Risk Scoring System

The scoring system is provided as a tool to help structure thinking about assessments and to provide a framework for identifying which are the most serious risks and why.

|  | **Consequence / Severity score (severity levels) and examples of descriptors**  |
| --- | --- |
|  | **1**  | **2**  | **3**  | **4**  | **5**  |
| **Domains**  | **Negligible**  | **Minor**  | **Moderate**  | **Major**  | **Catastrophic**  |
| **Impact on the safety of staff, students or public (physical / psychological harm)**  | Minimal injury not requiring first aid or requiring no/minimal intervention or treatment. No time off work | Minor injury or illness, first aid treatment needed or requiring minor intervention.Requiring time off work for <3 days  | Moderate injury requiring professional intervention Requiring time off work for 4-14 days RIDDOR / MHRA / agency reportable incident  | Major injury leading to long-term incapacity/ disability (loss of limb)Requiring time off work for >14 days  | Incident leading to death Multiple permanent injuries or irreversible health effects |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Likelihood score**  | **1**  | **2**  | **3**  | **4**  | **5**  |
| **Frequency** | **Rare**  | **Unlikely**  | **Possible**  | **Likely**  | **Almost certain**  |
| **Broad descriptor**  | This will probably never happen/occur | Do not expect it to happen/occur but it is possible it may do so | Might happen or occur occasionally | Will probably happen/occur but it is not a persisting issue | Will undoubtedly happen/occur, possibly frequently |
| **Time-framed descriptor** | Not expected to occurfor years | Expected to occurat least annually | Expected to occur atleast monthly | Expected to occur at least weekly | Expected to occur at least daily |
| **Probability** Will it happen or not? | <0.1 per cent | 0.1–1 per cent | 1.1–10 per cent | 11–50 per cent | >50 per cent |

The overall ***level of risk*** is then calculated by multiplying the two scores together.

**Risk Level = Consequence / Severity x Likelihood (C x L)**

|  |  |
| --- | --- |
|  | **Likelihood**  |
| **Likelihood score**  | **1**  | **2**  | **3**  | **4**  | **5**  |
|  | **Rare**  | **Unlikely**  | **Possible**  | **Likely**  | **Almost certain**  |
| **5 Catastrophic**  | 5  | 10  | 15  | 20  | 25  |
| **4 Major**  | 4  | 8  | 12  | 16  | 20  |
| **3 Moderate**  | 3  | 6  | 9  | 12  | 15  |
| **2 Minor**  | 2  | 4  | 6  | 8  | 10  |
| **1 Negligible**  | 1  | 2  | 3  | 4  | 5  |

The Initial Risk Rating is the level of risk before control measures have been applied or with current control measures in place.

The Residual Risk is the level of risk after further control measures are put in place.