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| **Date:** |  |  |  |  |  |  |  |  |  |  |  |
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| **Assessors Name:** |  | **Reference Number:** | EMS RA 002 | **Review:** | After 3 months or when significant change to the equipment/process |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Implemented By:** |  | **Signature:** |  | **Position:** |  | **Date:** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Description of task and assessment** | Dewatering |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Location Details** |  |

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| **Identified Hazards** | **Harm / Receptor** | **Initial Risk**  | **Control measures** | **Residual****Risk** | **Remarks** |
| Exceeding EA/NRW Regulatory Position Statement (3 month period) | Breach of regulatory requirements | High | * Provide adequate training to site personnel.
* Monitor volume of water / amount of waste.
* Carry out checks (distance of watercourse, protected areas, groundwater etc.) - if site cannot meet requirements of LRWP do not carry out activity.
* Maintain adequate records.
 | Medium |  |
| Discharge of silt laden water into surface water system | Silt pollution (discharge into watercourse) | High | * Make provision for water management on site and silt control (e.g. v-ditches to control flow, sediment socks, hessian mats where required).
* Monitor quality of discharge regularly to ensure it is uncontaminated (visual check).
* Sample water with NTU meter, where deemed necessary.
* Maintain adequate records.
* Have emergency provision in place in the event of a pollution e.g. spill kit, silt wattle, sand etc.).
 | Medium |  |
| Erosion of the banks or bed of the receiving watercourse | Erosion of banks of receiving waters | Medium | * Make provision for water management on site.
* Carry out visual checks to ensure no erosion and/or scouring takes place.
* If identified, consider throttling back flow or installing rocks underneath discharge to reduce velocity of water.
* Monitor discharge regularly to ensure no erosion and/or scouring has occurred.
* Have emergency provision in place in the event of an incident.
 | Low |  |
|  Transfer of disease, plants and animals | Local watercourses / native species  | Medium | * Follow general biosecurity measures on site including the protocol for cleaning equipment identified and PPE, where necessary.
* Setup exclusion zone and signage where necessary i.e. if undertaking Japanese Knotweed removal.
 | Low |  |
| Material storage (COSHH, fuel etc) | Local watercourses, ground water and soil | Medium | Do not store materials where:* There is a risk of impact or collision from traffic (fence off if required).
* Within 50m of a spring, well or borehole.
* Within 10m of a watercourse, ditch, or drainage channel.
* Where spills could enter drains / manhole covers / unmade ground.
* In areas at risk of flooding.
 | Low |  |
| Working near water and/or within a floodplain | Local watercourses and properties | Medium | * Identify if site is within a Flood Zone.
* If required, site management to subscribe to EA Flood line / NRW flood warnings service to receive warnings of flood events.
* Task briefing to all involved in activity on likelihood of flooding.
* No materials to be stored near watercourse (unless immediately required for use).
* Remove any plant or equipment from near watercourse at end of shift.
 | Low |  |

**Guidance Notes**

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| **LIKELIHOOD OF HARM** |
| **Highly likely** | **Possible** | **Unlikely** |
| **SEVERITY****OF****HARM** | **Major environmental incident** | **High** | **High** | **Medium** |
| **Significant environmental incident** | **High** | **Medium** | **Low** |
| **Minor environmental incident** | **Medium** | **Low** | **Low** |

|  |  |  |
| --- | --- | --- |
| **LOW** | **MEDIUM** | **HIGH** |
| **Continue with existing control measures and ensure all reasonably practicable measures to reduce the risk to as low as possible put in place. Monitor for changes. Implement any additional control measures required, within the timescales given in the****risk assessment.** | **May require additional reasonably practicable measures to reduce the risk to as low as possible. Must ensure regular ongoing monitoring of the task. Implement any additional control measures required, within the timescales given in the****risk assessment.** | **Requires attention to reduce the risk, implement reasonably practicable measures to reduce the risk as low as possible. Must ensure regular ongoing monitoring of the task. Implement any additional control measures required, within the timescales given in the****risk assessment.** |