

# USSL Risk Assessment

|                                                                                 |                                                |                                                                                                                                                                                                               |                                         |   |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |   |                 |                 |
|---------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---|-----------------|-----------------|
| Risk Assessment No                                                              |                                                | 10                                                                                                                                                                                                            | Activity                                |   | Core Drilling into Premises |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Locations                                                                |   | Site/Yard Works |                 |
| Assessment Undertaken by                                                        |                                                | M. Watson                                                                                                                                                                                                     | Assessment Date                         |   | Jun-17                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Review Date                                                              |   | 1/6/18          |                 |
| Risk Ratings                                                                    |                                                |                                                                                                                                                                                                               |                                         |   |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |   |                 |                 |
| Persons at risk (PAR)                                                           |                                                | Severity / Harm Rating (S)                                                                                                                                                                                    |                                         |   |                             | Likelihood (L)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                          |   |                 |                 |
| E                                                                               | Employees / Contractors                        | 1                                                                                                                                                                                                             | Negligible injury or no injury          |   |                             | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Extremely unlikely to occur at any time                                  |   |                 |                 |
| P                                                                               | Members of Public                              | 2                                                                                                                                                                                                             | Minor injury requiring First Aid        |   |                             | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A rare combination of factors would be required for an incident to occur |   |                 |                 |
| V                                                                               | Visitors                                       | 3                                                                                                                                                                                                             | Lost time injury                        |   |                             | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Could happen, but considered unlikely under normal circumstances         |   |                 |                 |
| C                                                                               | Clients                                        | 4                                                                                                                                                                                                             | Single serious injury or single death   |   |                             | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Not certain, but an additional factor may result in an incident          |   |                 |                 |
|                                                                                 |                                                | 5                                                                                                                                                                                                             | Multiple deaths and or serious injuries |   |                             | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Almost inevitable that an incident will result - Highly likely to occur  |   |                 |                 |
| Tolerance rating                                                                |                                                |                                                                                                                                                                                                               |                                         |   |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |   |                 |                 |
| 15 - 25                                                                         |                                                | DANGER - Task/activity should not proceed. Further control measures are to be put in place to reduce risk. When in place the level of risk should be re-assessed for adequacy before the work recommences.    |                                         |   |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |   |                 |                 |
| 7 - 14                                                                          |                                                | SIGNIFICANT RISK is attached to this task/activity. Look critically at ways of reducing the level of risk to a more tolerable level by improving existing control measures or by introducing new controls.    |                                         |   |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |   |                 |                 |
| 1 - 6                                                                           |                                                | TOLERABLE RISK - Consider if risk is "as low as reasonably practicable", If not try to reduce risk further by improving control measures. Keep under review and continue with task/activity, but with caution |                                         |   |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |   |                 |                 |
| NB. Full PPE will be utilised as a matter of course during any works undertaken |                                                |                                                                                                                                                                                                               |                                         |   |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |   |                 |                 |
| Initial Assessment No controls                                                  |                                                |                                                                                                                                                                                                               |                                         |   |                             | Risk Mitigation Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                          |   |                 |                 |
| Item No                                                                         | Hazard Identification                          | PAR                                                                                                                                                                                                           | S                                       | L | Score                       | Control Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | S                                                                        | L | Revised Score   | Risk Acceptable |
| 1                                                                               | Pedestrians & Vehicles                         | E,P,V,C                                                                                                                                                                                                       | 4                                       | 4 | 16                          | Operatives to wear high-visibility clothing and other relevant PPE (hard hats / Gloves / Safety Footwear / Ear Defenders / Goggles etc).<br>Signing & Guarding to comply with Chapter 8 / NRSWA ACOP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                                                        | 1 | 4               | Yes             |
| 2                                                                               | Underground Services                           | E                                                                                                                                                                                                             | 4                                       | 4 | 16                          | Consult area plans to help identify service locations.<br>Cable locator to be used to identify location of services.<br>Services to be marked with waterproof markings.<br>Carefully excavate trial holes using hand digging methods only, along the entire length of the excavation/trench in order to establish the exact location of any services.<br>Hand dig only, within 0.5m of all services.<br>Use location equipment at regular intervals.<br>DO NOT Attempt to repair any services.<br>Report damage immediately to your supervisor.                                                                                                                                                        | 4                                                                        | 1 | 4               | Yes             |
| 3                                                                               | Manual handling                                | E                                                                                                                                                                                                             | 3                                       | 3 | 9                           | Avoid hazardous manual handling operations so far as reasonably practicable.<br>Carry out suitable and sufficient risk assessment.<br>All staff to receive manual handling training.<br>Heavy Equipment to be carried by a minimum of 2 people.                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                                                                        | 2 | 6               | Yes             |
| 4                                                                               | Dust                                           | E,P,V,C                                                                                                                                                                                                       | 4                                       | 4 | 16                          | Wet drilling must be used where possible<br>Dust extraction equipment must be used if wet drilling operations can not be used<br>Operatives must wear suitable respirators (Dust Masks 3M 8800 or equivalent).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4                                                                        | 2 | 6               | Yes             |
| 5                                                                               | Noise                                          | E,P,V,C                                                                                                                                                                                                       | 3                                       | 4 | 12                          | Operatives must wear suitable ear protection.<br>Noise assessments to be carried out, and records to be kept.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3                                                                        | 2 | 6               | Yes             |
| 6                                                                               | Asbestos                                       | E                                                                                                                                                                                                             | 4                                       | 4 | 16                          | Asbestos based materials must not be drilled or cut in any way.<br>If the presence of asbestos is suspected, or if asbestos is identified, stop work immediately and advise your supervisor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                                                                        | 1 | 4               | Yes             |
| 7                                                                               | Contact with Services                          | E                                                                                                                                                                                                             | 4                                       | 5 | 20                          | Ensure inspection of area to be drill has been carried out.<br>Check building plans, and mark existing services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4                                                                        | 1 | 4               | Yes             |
| 8                                                                               | Ventilation, Danger from the Build up of fumes | E                                                                                                                                                                                                             | 4                                       | 4 | 16                          | Ensure the area is well ventilated, and the quality of the air is monitored                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                                                                        | 1 | 6               | Yes             |
| 9                                                                               | Collapsed Excavations                          | E,P,V,C,                                                                                                                                                                                                      | 5                                       | 3 | 15                          | Prior to the commencement of any work a risk assessment must be carried out in relation to each excavation.<br>All excavations may need to be shored to ensure ground stability in compliance with Method Statements & Risk Assessment 03 "Shoring of Excavations".<br>If poor ground conditions are experienced then appropriate shoring must be installed.<br>Ensure that a continuous atmospheric monitoring takes place and the results recorded.<br>Inspection of the excavation must take place, in accordance with the inspection schedule.<br>All excavated areas must be protected with suitable barriers.<br>Safe digging practices must be observed.<br>Works to be Supervised at all times | 5                                                                        | 1 | 5               | Yes             |
| 10                                                                              | Vibration                                      | E                                                                                                                                                                                                             | 3                                       | 3 | 9                           | Operatives are advised not to grip the handles too tightly.<br>Operatives must keep their hands and arms warm i.e. wear gloves and suitable clothing in order to maintain blood supply to the hands, fingers and arms.<br>Periodically rotate the use of the core drilling tools with other operatives to minimise expose limits.<br>Select the right equipment for the job.<br>Always check tools before use, ensure tools are properly maintained.<br>Remember to exercise fingers/hand after using vibration tools.                                                                                                                                                                                 | 3                                                                        | 2 | 6               | Yes             |
| 11                                                                              | Defective Equipment                            | E                                                                                                                                                                                                             | 4                                       | 4 | 16                          | Equipment must be inspected for defects prior to use.<br>Defective equipment must not be used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4                                                                        | 1 | 4               | Yes             |