

# USSL Risk Assessment

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| Risk Assessment No                                                              |                                               | 35                                                                                                                                                                                                            | Activity                                |                 | Fit, Test and Drill Branch Saddle |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Locations |                                                                          | Site 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, hard hats, safety footwear, gloves and other appropriate PPE including rescue body harness for operatives who will enter confined space.<br>Ensure the rescue body harness is attached to a lifeline, which must be attended by someone outside the confined space.<br>Signing and guarding to comply with Chapter 8 and "Red Book"<br>Use lookouts/banksmen to ensure that vehicles and the public are kept away from the working area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4         | 1                                                                        | 4             | Yes             |  |  |
| 2                                                                               | Underground Services                          | E                                                                                                                                                                                                             | 4                                       | 3               | 12                                | Read and implement the controls detailed in Method Statement and Risk Assessment 01 'Avoiding Danger from Underground Services'.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4         | 1                                                                        | 4             | Yes             |  |  |
| 3                                                                               | Shoring of Excavations                        | E                                                                                                                                                                                                             | 4                                       | 4               | 16                                | Excavations 1.2m or deeper must be shored. However where poor ground conditions exist at depths shallower than 1.2m shoring must be installed.<br>Ensure safe access and egress is maintained via ladders that are footed and secured at the top.<br>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 the Method Statement & 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 a suitable barrier. .<br>Safe digging practices must be observed.<br>Works to be Supervised at all times<br>Spoil from the excavation must be stored away from the edge of the excavated area. | 4         | 1                                                                        | 4             | Yes             |  |  |
| 4                                                                               | Injuries via release of pressurised equipment | E,P,V,C                                                                                                                                                                                                       | 4                                       | 4               | 16                                | Comply with the Method Statement.<br>Ensure that suitable and safe purging systems are implemented.<br>Ensure that the test pressure has been reduced to a safe level prior to carrying out work on the pipeline.<br>Examine the system at intervals in order to ensure that anchorages are secure.<br>Unauthorised personnel must not enter the test area or interfere with the pipework.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4         | 1                                                                        | 4             | Yes             |  |  |
| 5                                                                               | HAVS                                          | E                                                                                                                                                                                                             | 3                                       | 4               | 12                                | Defective/damaged equipment must not be used.<br>Read and implement control measures detailed in Method Statement and Risk Assessment 24 'Use of Vibrating Hand-Held - Hand-Guided Tools'.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3         | 1                                                                        | 3             | Yes             |  |  |