

## SITE SURVEY REPORT

# Confined Space Rescue Plan

|              |                                      |
|--------------|--------------------------------------|
| Prepared for | Fenmere Water Services Ltd           |
| Date         | 29 Sep 2026                          |
| Site         | Brookfield Pumping Station, Grantham |
| Prepared by  | D. Harrow                            |

## FORM

## Confined Space Rescue Plan

## 1. Record details and scope

|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| Project                      | Brookfield Pumping Station, Grantham: wet well rescue plan |
| Site or premises address     | Brookfield Pumping Station, Station Lane, Grantham         |
| Client or organisation       | Fenmere Water Services Ltd                                 |
| Record date                  | 29 Sep 2026                                                |
| Person completing the record | D. Harrow, confined space supervisor                       |

This records a competent team prepared plan. It gives no generic entry or rescue technique and does not qualify anyone to attempt rescue. Do not begin entry where essential arrangements are missing.

HSE guidance requires adequate emergency arrangements before confined-space work begins and warns against relying on the emergency services alone. Avoid entry where possible; where entry is unavoidable, a safe system of work and suitable rescue arrangements are needed. The plan must reflect the actual space and hazards.

## 2. Space and work

|                                                              |                                                                                                                                                                                                         |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Space ID, location and access details                        | Wet well WW-2, Brookfield Pumping Station. Access by a 600 mm square hatch in the pump house floor, fixed ladder to 4.2 m.                                                                              |
| Planned work and reason entry cannot be avoided              | Replace the level sensor bracket on the wet well wall. The bracket cannot be reached from the hatch with poles, and the sensor cannot be removed upwards because the guide rail is bent.                |
| Confined-space assessment and permit references              | Confined space risk assessment CSRA-BRK-007 rev 2. Entry permit to be issued on the day under PTW-BRK-0930.                                                                                             |
| Relevant atmosphere, engulfment, machinery and other hazards | Possible hydrogen sulphide and low oxygen from sewage. Rising water if the inlet is not isolated. Pumps starting while the team is in the well. Slippery ladder rungs and a fall from the ladder.       |
| Isolation and verification arrangements                      | Inlet penstock closed and locked, pumps 1 and 2 locked off at the panel under lockout record LO-BRK-0930. Isolation checked by trying the pump start and by the supervisor before the permit is signed. |

### 3. Rescue arrangements

**Emergency scenario 1: Entrant collapses at the bottom of the well, for example after a gas alarm or a fall from the ladder.**

|                                                          |                                                                                                                                                                                                                                        |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Credible emergency scenario                              | Entrant collapses at the bottom of the well, for example after a gas alarm or a fall from the ladder.                                                                                                                                  |
| Site-specific rescue method prepared by competent people | Non-entry rescue first: entrant wears a full body harness clipped to the tripod winch line at all times. Top person winches the casualty vertically through the hatch. Method prepared by the Fenmere rescue team for this hatch size. |
| Required people, equipment and access                    | Tripod and rescue winch set up over the hatch before entry. Two trained rescuers at the top. Escape breathing sets for the entrant. Gas monitor on the entrant and one at the hatch.                                                   |
| Limitations, stop conditions and escalation              | Winch only works while the line is attached and unobstructed. If the casualty cannot be lifted, nobody enters without breathing apparatus and a second rescuer. Call 999 at the same time as starting the rescue.                      |

**Emergency scenario 2: Gas monitor alarms with the entrant conscious and able to climb.**

|                                                          |                                                                                                                                                             |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Credible emergency scenario                              | Gas monitor alarms with the entrant conscious and able to climb.                                                                                            |
| Site-specific rescue method prepared by competent people | Entrant puts on the escape set and climbs out at once, winch line kept taut by the top person. Work stops and the space is re-assessed before any re-entry. |
| Required people, equipment and access                    | Escape set on the entrant. Top person on the winch. Supervisor by the hatch with the radio.                                                                 |
| Limitations, stop conditions and escalation              | No re-entry until the cause is found and readings are back within the limits on the permit. Supervisor decides, not the entry team.                         |

### 4. People and communication

|                                                                 |                                                                                                                                                                                                                |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rescue coordinator and contact                                  | D. Harrow, confined space supervisor, on site radio channel 2 and mobile in the site file                                                                                                                      |
| Rescuers, competence and availability                           | Two rescuers from the Fenmere rescue team, both trained for medium risk entry and rescue, refresher dates checked in the training matrix. Both stay at the hatch for the whole entry and have no other duties. |
| Entry team communication, alarm and emergency call arrangements | Entrant and top person on intrinsically safe radios, checked before entry. Agreed hand signal for stop if the radio fails. Supervisor calls 999 and the Fenmere control room if a rescue starts.               |
| First aid, medical support and emergency service access         | First aider at the hatch with an oxygen kit and a defibrillator in the welfare van. Access gate unlocked and a person sent to meet the ambulance at Station Lane.                                              |

## 5. Readiness and practice

|                                                       |                                                                                                                                                                  |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Practice or exercise reference and date               | Winch rescue practice at the hatch, ex ref RX-BRK-03, 25 September 2026                                                                                          |
| Required rescuers and competent supervision available | Acceptable                                                                                                                                                       |
| Rescue equipment and relevant checks confirmed        | Action needed                                                                                                                                                    |
| Action, limitation or reason not applicable           | Tripod winch inspection tag runs out on 2 October. Spare winch WN-14 with a current tag booked from the depot for the entry day.                                 |
| Communication and alarm arrangements checked          | Acceptable                                                                                                                                                       |
| Method practised and limitations resolved             | Acceptable                                                                                                                                                       |
| Who confirms readiness before entry and how           | D. Harrow checks the rescue team, tripod, winch and radios on site and signs the permit only when all are in place. Entry stops if any rescuer leaves the hatch. |

## 6. Actions and review

|                               |     |
|-------------------------------|-----|
| Are further actions required? | Yes |
|-------------------------------|-----|

**Further action 1: Collect spare winch WN-14 with current inspection tag from the Grantham depot and fit to the tripod.**

|                                                    |                                                                                                      |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Action and evidence reference                      | Collect spare winch WN-14 with current inspection tag from the Grantham depot and fit to the tripod. |
| Person responsible                                 | S. Patel, plant coordinator                                                                          |
| Target date                                        | 30 Sep 2026                                                                                          |
| Action status                                      | Completed                                                                                            |
| Completion evidence                                | WN-14 fitted 30 September, tag seen and photographed in the permit pack.                             |
| Outstanding limitations and information to pass on | Plan covers WW-2 only. WW-1 has a smaller hatch and needs its own method.                            |
| Record status                                      | Ready for review                                                                                     |
| Reviewed by                                        | M. Collins, operations manager                                                                       |
| Review date                                        | 1 Oct 2026                                                                                           |

Author signature

D. Harrow

Signing records the information entered. It does not itself certify legal compliance, remove a limitation or authorise unsafe work.