SITE survey. APP

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.

Regulation 5 of the Confined Spaces Regulations 1997 says no one may enter or work in a confined space unless suitable and sufficient arrangements for rescue have been prepared, including resuscitation equipment where needed, and that the arrangements must be put into operation immediately when needed. HSE Approved Code of Practice L101 (Safe work in confined spaces) explains this and warns against relying on the emergency services alone. Regulation 4 requires entry to be avoided where reasonably practicable; where it is not, a safe system of work is 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
Readiness checks acceptable	3
Needing action	1
Not checked	0

> A readiness check is not acceptable. Entry must not begin until the rescue arrangements are in place.

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
Date reviewed	1 Oct 2026
Author signature	

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