CORRECT GAS ISOLATION PROCEDURE

Start

Get permission from an authoritative figure to isolate the gas and electrical system.
Obtain permission to work and put the required PPE on.

Conduct a site safety assessment.
Identify the gas installation layout.

Inspect all test equipment per PUWER and GS38. Prove your voltage indicators, NON-CONTACT and CONTACT voltage indicators are working on a known live source/ proving unit before and after use. MFTs must NOT be used to prove dead.

EQUIPMENT DAMAGED → STOP WORK

Use a contact voltage indicator on the main incoming head to check for tracking.

VOLTAGE PRESENT → STOP WORK AND CALL THE DNO ON 105

0V MEASURED

Place a current transformer clamp ammeter on the main earth cable. Any reading above 15mA is potentially dangerous.

>15 mA OF CURRENT DETECTED

<15 mA OF CURRENT PRESENT

Check for voltage with a non-contact voltage indicator on the main earth conductor.

VOLTAGE PRESENT

→ STOP WORK AND CALL A REGISTERED ELECTRICIAN OR THE DNO ON 105

0V DETECTED
With the presence of DNC current alleviated or managed you can proceed to complete your original task.

Locate the circuit for your original task. Isolate, fit padlocks, retain key and fit warning notices. Test all conductors at the locked-off OCPD or isolated main switch in the correct order. Turning off the spur should also isolate the neutral from the equipment.

For a single phase circuit/ equipment	For a 3- phase circuit/ equipment
N-L, E-L, N-E	N-L1, N-L2, N-L3, E-L1, E-L2, E-L3 L1-L2, L1-L3, L2-L3, N-E

VOLTAGE PRESENT → STOP WORK AND CALL A REGISTERED ELECTRICIAN

0V MEASURED

Re-prove your test equipment on a known live source. → Confirm the installation is safe to work on. Prepare your purge equipment. → Brief the client / duty holder again. Clear the work area. → Confirm competence. You are now legally allowed to begin the purge procedure. → BEGIN WORK

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