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.

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

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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**

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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 conductor. 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.

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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.

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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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