

Risk Assessment & Method Statement

Gas Engineer Example RAMS – Boiler replacement and commissioning

Version: 1

PUBLISHED

Trade: Gas Engineer

Review Date: 31/07/2026

Basic Information

Organization: RAMS Builder Example

Client: Example Gas Engineer Client

Site: Gas Engineer Example Project - London SW1A 1AA

Scope of Work

Example RAMS covering Boiler replacement and commissioning with hazards, permits, COSHH controls, emergency planning, and sign-off ready for project review.

Persons at Risk

Operatives, supervisors, visitors, neighbouring trades, and members of the public near the work area.

Hazards & Risk Assessment

5 hazards identified

Gas leak / escape

Example control set for gas engineer works on Boiler replacement and commissioning.

Pre-Control: 14 (Medium Risk)

Post-Control: 5 (Low Risk)

Control Measures:

- Gas tightness test (let-by / drop)
- Leak detection fluid
- Emergency procedure in place

Carbon monoxide exposure

Example control set for gas engineer works on Boiler replacement and commissioning.

Pre-Control: 13 (Medium Risk)

Post-Control: 4 (Low Risk)

Control Measures:

- Personal CO detector worn
- Combustion analyser used
- Adequate ventilation

Ignition sources near gas

Example control set for gas engineer works on Boiler replacement and commissioning.

Pre-Control: 12 (Medium Risk)

Post-Control: 3 (Low Risk)

Control Measures:

- No hot works nearby
- Anti-static precautions
- Gas detector deployed

Inadequate ventilation

Example control set for gas engineer works on Boiler replacement and commissioning.

Pre-Control: 11 (Medium Risk)

Post-Control: 3 (Low Risk)

Control Measures:

- Air vent checks
- Spillage test performed
- CO alarm fitted

Burns from hot surfaces

Example control set for gas engineer works on Boiler replacement and commissioning.

Pre-Control: 10 (Medium Risk)

Post-Control: 3 (Low Risk)

Control Measures:

- Allow appliance to cool
- Protective gloves
- Awareness signage

Method of Work

7 steps outlined

1 Carry out site survey and safety check

Related hazards: Gas leak / escape

2 Isolate gas supply

Related hazards: Carbon monoxide exposure

3 Perform tightness test

Related hazards: Ignition sources near gas

4 Execute job (install / service / repair)

Related hazards: Inadequate ventilation

5 Test and commission appliance

Related hazards: Burns from hot surfaces

6 Record results and issue certificate

Related hazards: Burns from hot surfaces

7 Handover to client

Related hazards: Burns from hot surfaces

Personal Protective Equipment & Permits

PPE Required

Hard hat

Gas monitor

Safety glasses/goggles

Steel toe-capped boots

Permits Required

Gas isolation permit

Commissioning sign-off

COSHH Assessments

Control of Substances Hazardous to Health

Leak detection fluid

Use: Checking joints and fittings during gas commissioning.

Exposure: Skin contact, eye contact

Controls:

- Use in line with SDS
- Store upright
- Wear gloves and eye protection

SDS: <https://rams-builder.app/sds/examples/gas-engineer-leak-fluid.pdf>

Emergency Procedures

First Aid

Stop work, make the area safe, and summon the appointed first aider. Escalate any serious injury through the site emergency procedure and record the incident before work restarts.

Fire Emergency

Raise the alarm, stop the task, isolate energy sources where safe to do so, and move to the agreed assembly point. Only trained operatives should attempt first-aid firefighting.

Spill Response

Stop the source if safe, isolate the area, use the spill kit or absorbent materials listed in the COSHH controls, and dispose of contaminated waste in line with the SDS.

Nearest Accident & Emergency

Nearest A&E to be confirmed during site induction and briefed to all operatives before works start.

Signatures & Approvals

This document has been reviewed and approved by:

Example Site Supervisor

Gas Engineer Supervisor

15/01/2026, 09:30:00

This Risk Assessment & Method Statement must be reviewed before work commences.
All operatives must be briefed on the hazards and control measures outlined in this document.