

Consequence	5	10	15	20	25
	4	8	12	16	20
	3	6	9	12	15
	2	4	6	8	10
	1	2	3	4	5
Likelihood					

- Unacceptable – Stop activity
- Adequate – Monitor for continual compliance
- Acceptable – No further action / monitor

Risk Assessment:	016 Gas works
Assessors Name:	Gabriela Balint
Signature:	<i>Balint</i>
Date:	January 2022
Review:	January 2023

Location:

Likelihood	1 = Very unlikely	2 = Unlikely	3 = Fairly likely	4 = Likely	5 = Very likely
Consequence	1 = Insignificant	2 = Minor	3 = Moderate	4 = Major	5 = Catastrophic

Hazard	Who can be harmed & how	Risk Rating			Control measures in place	Residual Risk		
		L	C	R		L	C	R
Defective installation	Operatives and others e.g. property owners / users / other trades etc. Serious injury potential / fire / fatality etc.	3	5	15	All gas work is undertaken by competent gas safe engineer or if being trained, supervised by a competent person. All gas work is planned in advance and documented. Regular work in progress inspections and testing is undertaken and recorded. All materials are purchased through reputable suppliers. Suitable information, instruction and supervision is in place at all times. All work is undertaken in compliance with The Gas Safety (Installation and Use) Regulations 1998	1	5	5
Damaged plant and equipment	Persons using plant and equipment. Serious injury potential through contact with plant / equipment	3	4	12	All plant and equipment is inspected prior to use and at regular intervals in line with company procedures. Any defective equipment is removed from service and placed in quarantine for repair or replacement. Items requiring calibration is maintained as per requirements	1	4	4

Hazard	Who can be harmed & how	Risk Rating			Control measures in place	Residual Risk		
		L	C	R		L	C	R
Use of incorrect or sub-standard materials	Operatives and others e.g. property owners / users / other trades etc. Serious injury potential / fire / fatality etc.	3	5	15	Regular work in progress inspections and testing is undertaken and recorded to include review of correct materials. All materials are purchased through reputable suppliers who are vetted through our quality control procedures.	1	5	5
Unprofessional installation	Operatives and others e.g. property owners / users / other trades etc. Serious injury potential / fire / fatality etc.	2	5	10	All gas work is inspected at regular intervals to ensure compliance with legal, regulatory, accredited bodies, company and client requirements. Sub-contractors are assessed through PQQ prior to engagement to ensure competence requirements are met.	1	5	5
Failure to isolate	Operatives and others in the vicinity. Serious injury potential through fire / explosion / fatality etc.	4	4	16	Prior to undertaking work on gas / systems / equipment etc. engineers to ensure that it is physically isolated and any stored gas dissipated. Operatives to undertake a visual inspection. Any damage or concern to be reported to line manager.	2	4	8

Hazard	Who can be harmed & how	Risk Rating			Control measures in place	Residual Risk		
		L	C	R		L	C	R
Fire / explosion	Operatives and others e.g. property owners / users / other trades etc. Serious injury potential / fatality etc. through asphyxiation, burns etc.	4	5	20	Work only undertaken by competent persons who are aware of the dangers posed by gas systems including potential ignition sources. Prior to undertaking work on gas systems / equipment etc. to ensure that it is physically isolated and any stored gas dissipated. Any damage or concern to be reported to line manager. Ensure adequate ventilation at all times.	2	5	10

Additional Information:

- (1) No person shall carry out any work in relation to a gas fitting in such a manner that gas could be released unless steps are taken to prevent the gas so released constituting a danger to any person.
- (2) No person carrying out work in relation to a gas fitting shall leave the fitting unattended unless every incomplete gas way has been sealed with the appropriate fitting or the gas fitting is otherwise safe.
- (3) Any person who disconnects a gas fitting shall, with the appropriate fitting, seal off every outlet of every pipe to which it was connected.
- (4) No person carrying out work in relation to a gas fitting which involves exposing gas ways which contain or have contained flammable gas shall smoke or use any source of ignition in such a manner as may lead to the risk of fire or explosion.