Defence Infrastructure Organisation

Gas Safety Management Plan (Section A)

Bristol Artillery Grounds ARC UOTC ACF

16/04/2025

Produced to meet the requirements of the Gas Safety (Installation and Use) Regulations 1998

(Gas Safety Management Plan (Section B) covers the requirements of the Gas Safety (Management) Regulations 1996

ESTABLISHMENT KEY PERSONALITIES (GAS) CONTACTS

Role	Name	Tel No.	Email
Head of Establishment	Lt Col A J West MBE RIFLES	01985 223801	Aaron.west191@mod.gov.uk
Establishment's SHEF	WO1 Carl Harris	07875429874	Carl.harris774@mod.gov.uk
Establishments 4C's Coordinator	Ian Canfield	01985 223815	Ian.cansfield636@mod.gov.uk
Senior DIO Estate Representative or Equivalent	Mark Cubitt	07955 280440	wx-est-hd@rfca.mod.uk
Site DIO Estate Representative or Equivalent	Mark Armstrong	07508 129987	wx-est-mgr3@rfca.mod.uk
MMO Site Manager or equivalent	Paul Wakeford	07356101565	Paul.wakeford@vivodefence.com
Gas Safety Manager (GSM)	Justin Westcott	07793222820	Justin.westcott@vivodefence.com
Gas Responsible Person (GRP)	Jason Cuthbert	07592112763	Jason.cuthbert@vivodefence.com

The Content of this Gas Safety Management Plan (GSMP) have been Approved by the Gas Safety Manager:

Signature: JP Westcott **Date: 16/04/2025**

Authorisation for Implementation
The content and format of this GSMP has been agreed and authorised for implementation by Defence Infrastructure Organisation Technical Services Principal Gas Engineer (DIO TS PGE) and a unique reference number has been generated to support this.

Approved – J Obbard PGE – 14th Feb 2022

The Content of this GSMP have been agreed by the Senior DIO Estate Representative or Equivalent and future works following the findings will be supported:

Signature: M Cubitt **Date: 29/04/2025**

The content of this GSMP have been agreed by the Head of Establishment and future works following the findings will be supported.

Signature:…AJ WEST MBE……Date: 6 May 25……

REVIEWS AND AMMENDMENTS

GSMPs are 'living documents' that should be subject to continual review and updating as required. Although the level of attention required will vary considerably depending on the size and complexity of each site, GSMPs should be reviewed at least once per quarter by the GRP, unless otherwise agreed by the PGE. Although it is likely that changes are not required at each review, the date of review and any changes made should be indicated on the tables below. The review of the GSMP will include a site visit to ensure that the site and the content of the GSMP remain valid. The reviews and amendments made will be deleted during the DIO TS three yearly review when the GSMP is re-authorised by the PGE.

Date	Page No.	Amendment
26/11/2021	All	Initial Development
05/05/2022	1	Updated J Obbard Contact Number
05/05/2022	2	Updated Gas Emergency Number
05/05/2022	3	Updated Additional Gas Contact details
05/05/2022	3	Updated Gas Emergency Centre Number
05/05/2022	3	Added New Gas Supplier Details
05/05/2022	3	Changed Energy Assets Email and Contact Number
05/05/2022	10	Added Gas Line Drawing Details
05/05/2022	11	Updated Emergency Gas Contact Number
05/05/2022	14-16	Added Gas Line Drawings to Annexe
05/05/2022	4,9	Updated Network Pressure
02/08/2022	10	Added Icon for Gas Line Drawings
02/08/2022	13	Added New Boiler Details for Plant Room
02/08/2022	5	Updated Description for Plant Room with New Boilers Added
02/08/2022	ii & 1	Added New HoE details
10/11/2022	10 & 16	Added Gas Network Layout Drawing Details, Icon & Drawing
10/05/2023	N/A	No Amendments Required
16/08/2023	N/A	No Amendments Required
16/11/2023	N/A	No Amendments Required
29/02/2024	12	Added Details for New Building 3 Boiler
15/05/2024	N/A	No Amendments Required
23/08/2024	ii	Added New SHEF/Site Manager Details
30/09/2024	ii & 1	Added New Head of Estates Details
18/10/2024		GSM re-authorisation (previously authorised 13/02/2023)
13/11/2024	4,5,6,7,9	Updated Descriptions in 2.1 & 2.2, Updated Section 3.2,
18/02/2025	Various	Updated details throughout to reflect VIVO gas management
18/02/2025	1.4	Updated Vivo gas emergency contact Number.

Date	Reviewed by	Authorised by	Comments
26/11/2021	M Fenwick	N King	Initial Review
05/05/2022	M Fenwick	M Fenwick	Quarterly Review
02/08/2022	M Fenwick	M Fenwick	Quarterly Review
10/11/2022	M Fenwick	M Fenwick	Quarterly Review
13/02/2023	M Fenwick	N King	Annual Review
10/05/2023	M Fenwick	M Fenwick	Quarterly Review
16/08/2023	M Fenwick	M Fenwick	Quarterly Review
16/11/2023	M Fenwick	M Fenwick	Quarterly Review
29/02/2024	M Fenwick		Annual Review
15/05/2024	M Fenwick	M Fenwick	Quarterly Review
23/08/2024	M Fenwick	M Fenwick	Quarterly Review
18/10/2024	Neville King	Neville King	GSM re-authorisation
13/11/2024	M Fenwick	M Fenwick	Quarterly Review
27/01/2025	M Fenwick	M Fenwick	DNV De-Mobilisation Review / Handover
18/02/2025	J Cuthbert	J Cuthbert	Review/Update as change to Vivo
16/04/2025	J Westcott		Initial review/approval

FORWARD

MOD, as a gas conveyor within Great Britain, has submitted an Exemplar Gas Safety Case (MOD GSC) to demonstrate compliance with the Gas Safety (Management) Regulations 1996 (GS(M)R). Maintenance Management Organisations (MMO's) are engaged who have the overall contractual responsibility to operate and maintain the gas network assets under their Contract, including the management of the safe flow of gas within the system and the provision of an emergency service. The MOD delegate specific duties to the MMO but accountability for gas safety on each site rests with the Head of Establishment.

Whilst gas downstream of the Emergency Control Valve (ECV) fall outside of the scope of (GS(M)R) similar criteria as those referred to above must be accommodated within an appropriate management system. The specific criteria required to adequately manage gas infrastructure downstream of the ECV are described in the Gas Safety (Installation and Use) Regulations 1998 (GS(IU)R).

The MOD GSC considers all parts of the MOD estates gas supply system that forms part of the gas supply network. This includes all parts of the MOD gas network from the Bulk Primary Meter Installation to the individual gas appliances and the safe release of the products of combustion. The MOD GSC considers primarily those matters that relate to the management of the safe flow of gas within the system and the provision of an emergency service for all aspects of the gas system.

Following initial approval of the Gas Safety Management Plans (GSMPs) by the DIO Principal Gas Engineer (PGE), the Gas Safety Manager (GSM) is required to reapprove this GSMP annually. GSMPs must be submitted to DIO PGE every three years for authorisation.

GSMP Section A document contains site specific details of the establishments utilisation infrastructure to assist with measures to ensure compliance with the GS(IU)R for installation pipework and associated components.

GSMP Section B documents contain site specific details and arrangements as a direct annex to the MOD GSC in line with the Gas Safety (Management) Regulations 1996 (GS(M)R).

GSMP Section C document contains site specific details and requirements of the establishment's LPG networks.

Although the legal status of this document applies in the UK only, the MOD apply the same requirements to the management of gas on its overseas estate, in accordance with the currently published Secretary of State's Health and Safety policy statement.

Contents

1 THE DUTY HOLDER AND ESTABLISHMENT LEVEL KEY PERSONALITIES

1.1. Gas Safety Case Duty Holder.	
The duty holder for the MOD Gas Safety Case is the Permanent Under Secretary for Defence (PUS). However, day to day responsibility for the preparation and maintenance of the document is delegated to the DIO TS Head of Engineering and Construction, who also has the responsibility for managing the system in accordance with the Safety Case. PUS delegates maintenance responsibility to the Top-Level Budget Holders (TLB's), to manage safety of the gas network. The TLB's utilise MOD Contracts i.e. MMOs who have responsibility for maintaining the gas network on behalf of the MOD.	
Name: Address:	Permanent Under Secretary Main Building Horse Guards Parade Whitehall London SW1A 2HB

1.2. DIO Technical Services Principal Gas Engineer (PGE).	
The PGE assumes the role of Senior Authorising Authority which is a term used within the MOD to recognise the authority of the person responsible for overseeing the appointment of, and auditing Authorising Engineers (AEs). For Gas the AEs are replaced by Gas Safety Managers (GSMs).	
Name: Address: ☎: ✉:	Jeremy Obbard DIO HQ Whittington Barracks Lichfield WS14 9TJ 07748 903260 Jeremy.obbard100@mod.gov.uk

1.3. Establishment Personalities.		
Name of Establishment:	Bristol Artillery Grounds ARC UOTC ACF	
Establishment Address:	Bristol Artillery Grounds ARC UOTC ACF White ladies Road Clifton Bristol BS8 2LG	
Head of Establishment (HoE) (This is the most senior MOD person identified, by the chain of command, as responsible for the establishment. The HoE holds accountability for ensuring site compliance with the requirements of GSMR and the MOD GSC, including this GSMP.)	Name: Position: Organisation: Address: ☎: ✉:	Lt Col A J West CO British Army, MoD Building 1 Bristol Artillery Grounds White ladies Road Clifton Bristol BS8 2LG 01985 223801 Aaron.west191@mod.gov.uk

Senior DIO representative or equivalent (This may be the SEFM, but will vary depending on the contract this establishment falls under)	Name: Position: Organisation: Address: ☎: ✉:	Mark Cubitt Head of Estates Wessex Reserve Forces' & Cadets' Association Mount House Mount Street Taunton Somerset TA1 3QE 07955 280440 wx-est-hd@rfca.mod.uk

1.4. **Maintenance Management Organisation (MMO).**		
The MMO for this establishment is:		**VIVO Defence**
Gas Emergency Helpdesk (Typically, MMO Helpdesk) (24 Hours) **Note:** Please do not contact the general public National Gas Emergency Service for suspected gas escapes on RFCA infrastructure.	Organisation: ☎:	VIVO Helpdesk 0800 0309320
Gas Safety Manager (GSM)	Name: Organisation: Address: ☎: ✉:	Justin Westcott Vivo Defence Bldg. 003, CTCRM Lympstone Nr Exmouth Devon EX8 5AR 07725 038039 Justin.westcott@vivodefence.com
Gas Responsible Person (GRP)	Name: Organisation: Address: ☎: ✉:	Jason Cuthbert Vivo Defence Imjin Barracks Innsworth Gloucester Gloucestershire GL31HW 07592 112763 Jason.cuthbert@vivodefence.com

1.5. Additional Gas Contacts.		
External Gas Distribution Network (EGDN)	Organisation: Address: ☎: ✉:	Wales & West Utilities Wales & West House, Spooner Close, Celtic Close Coedkernew Newport NP10 8FZ 0800 912 2999 Steve.Harding@WWUtilities.co.uk
Gas Supplier	Organisation: Address: ☎: ✉:	Total energies Gas & Power 55-57 High Street Redhill Surrey RH1 1RX 01737 275 746 gp.redhill.ccs@totalenergies.com
LPG Supplier	Organisation: Address: ☎: ✉:	Not Applicable, no bulk LPG on site.
Meter Asset Manager (MAM)	Organisation: Address: ☎: ✉:	Energy Assets Ltd 6 Almond vale Business Park Almond vale Way Livingston Scotland. EH54 6GA 0800 001 4310 box.ngm.meteringdataenquries@nationalgrid.com
National Gas Emergency Centre (24 Hours)	☎:	0800 111 999

2 SITE SPECIFIC DETAILS

2.1 Site Overview.

A brief description of the establishment and its current use. This should include how many separate sites are present and the number of buildings being supplied by gas.

Bristol Artillery Grounds ARC UOTC ACF is a single site establishment with six buildings on site, five of which are supplied by gas. These buildings are supplied with gas from the Low Pressure (LP) MoD Network.
There are no individual EDGN supplies on site.

The Gloucester Volunteer Artillery was formed on 22 November 1859 and made its headquarters at the Artillery Ground, White ladies Rd, Clifton, Bristol.
The site buildings were built around this time with Building 1 added in 1936 and the gas main is thought to have been laid around the late 1990's.

Building 1 is used for Office Space, Kitchen, Drill Hall (including events), classrooms and a bar/lounge.
Building 2 is used for Store/Workshops, Classroom and meeting rooms and the Caretakers flat.
Building 3 is used for stores and offices.
Building 4 is an MT workshop.
The new Gym is the onsite Gymnasium which is an annexe of building 2.

The site is currently occupied by 266 Royal Artillery Battery part of 104 Regiment Royal Artillery, BrUOTC (Bristol University Officers' Training Corps), BUAS (Bristol University Air Squadron), Royal Engineers Royal Monmouthshire Militia and the MPCT.

Day to Day there are around 20 people on site and there can be up to 200 people on site when there are functions, events or parades.

2.2 Natural Gas.

A brief description of the natural gas installations, including how many MOD networks are present, the number of buildings each MOD network supplies and how many buildings are supplied direct from the EGDN. This should also include any demarcations in place between stakeholders and responsibilities.

There is one single stream bulk fiscal meter on site supplied at Low pressure by the EGDN (Wales & West Utilities). This meter then supplies the MoD network at 23.6 mbar with 5 buildings (Buildings 1, 2, 3, 4, and the New Gymnasium) fed from the MoD network. The bulk fiscal meter is in a brick-built meter house adjoined to the North East end of building 3 within the wire.

Bulk Fiscal Meter – Elster BK – G65M
S/N – M100 K06024 14 D6
100 m/3hr
MPRN - 3492804

The EGDN network enters the Bulk Fiscal Meter house in 63mm PE and transitions to 3" Steel on the meter inlet. The gas continues through the MAM owned and operated regulator and meter. The gas pipework increases to 4" steel after the meter outlet valve

and exits the gas meter house and drops below ground. The MoD network begins after the Bulk Fiscal meter outlet valve. The MoD is responsible from the Bulk Fiscal meter outlet valve up to and including the appliances in the buildings.
The entire MoD network is buried with a total of one steel and 4 PE risers for each building supplied with gas. The buried material is thought to be mainly PE.
There are no utilisation gas meters on this site. There is a check/secondary meter within building 2 for the caretakers flat only.
The MoD network pipework is thought to have been installed in the late 1990's.
The total load on the bulk fiscal meter is 706.74 KW.
There is a mix of steel and PE pipe within the network.
The Gas Safety Management Plan Part B will contain all Network information.

Building 1

There is an external buried SIV within 1 metre of the gas entry point to the building. The gas enters the building via a steel riser in 4" steel at low level and enters a cupboard in the server room and runs through a 4" ECV and then rises to high level. The ECV is the demarcation point between the MoD network and the installation pipework. The gas then runs through the server room and into the armoury where it tees off in 2 directions.

Plant Room

From the tee section the gas pipe to the plant room reduces to 3½" steel and travels through the armoury, a storeroom and into the bar store where it drops through the floor to the basement plant room.
The pipework reduces to 3" steel on entry to the plant room and runs at high level towards the boiler plant. At each point above the 2 gas appliances the pipework drops to the appliances in 1¼" steel.

Kitchen

From the other tee section outlet the gas pipe to the Kitchen runs out of the armoury, across the entrance corridor and straight into the Kitchen in 2" steel. The gas pipe within the kitchen drops to low level through a manual isolation valve and the interlocking solenoid before transitioning to 35mm copper where all three Kitchen gas appliances are fed from 22mm copper sections.
.
Appliances - Plant Room – Heating Boilers;
2 x Vaillant ecoCRAFT VKK GB 160/3-E

Kitchen - Moffat GT45 Deep Fat Fryer
Electrolux 6 Burner Range with Oven
Electrolux Solid Top with Oven

The total load on this installation is 429.26 KW.
There is no Utilisation meter on this installation.
There is steel and copper pipe within the installation.

Building 2

There is an external buried SIV within 2 metres of the gas entry point to the building. The gas runs to an external ECV with a 63mm PE riser and drops back below ground to re-

enter the building via a 80mm steel entry to an internal AECV. The ECV is the demarcation point between the MoD network and the installation pipework. The internal pipework feeds the store, office boiler and caretakers flat.

Workshops

The gas pipework runs through the entire length of the Workshops in 3" steel and passes through the wall into the classroom. On the run through the Workshops there are three tee sections feeding three separate Ambi Rad ER22 Radiant Tube Heaters. The three off sections for the heaters are run in ¾" steel.
The gas pipe continues at high level through a meeting/conference room and into a corridor where there is a tee section.

Plant Room

The gas splits from the tee section at high level in 2" steel and that section travels into the plant room and drops to low level through a manual isolating valve and a fire drop valve and feeds the single heating boiler in the plant room.

Caretakers Flat

From the 2nd tee outlet the gas pipe transitions to 22mm copper and drops to low level and runs through a manual isolation valve and feeds a secondary check meter.

Meter – Krom Schroder BK4
S/N – 11477574
6 M3/hr

From the meter outlet the gas pipe rises to high level and continues parallel with the 2" steel pipe into the plant room. From within the plant room the gas pipe rises at high level into the Caretakers flat loft area and drops into the lounge to low level through a manual isolation valve to feed the fire and back boiler.

Appliances – Workshops - Radiant Tube Heaters – 3 x Ambi Rad ER22
Plant Room – Boiler - Ideal Concord CXD 80 Boiler
Caretakers Flat - Baxi Bermuda LFE5 Fire and Baxi Bermuda Back Boiler

The total load on this installation is 178.88 KW.
There is no Utilisation meter on this installation.
There is steel and copper pipe within the installation.

Building 3

There is an external buried SIV within 2 metres of the gas entry point to the building. The gas runs to an external ECV with a 63mm PE riser and drops back below ground to re-enter the building via a 50mm steel entry to an internal AECV. The ECV is the demarcation point between the MoD network and the installation pipework. The internal pipework feeds the building plantroom.

Appliance – Plant Room – Boiler - Ideal Concord CXD 100 Boiler

The total load on this installation is 117.6 KW.
There is no Utilisation meter on this installation.

There is only steel pipework within the installation.

Building 4

There is an external buried SIV within 2 metres of the gas entry point to the building. The gas runs to an external ECV with a 63mm PE riser and drops back below ground to re-enter the building via a 50mm steel entry to an internal AECV. The ECV is the demarcation point between the MoD network and the installation pipework. The internal pipework feeds the workshop heater.

Appliance – Workshop – Radiant Tube Heater – Ambi Rad AR 13

The total load on this installation is 13 KW.
There is no Utilisation meter on this installation.
There is only steel pipework within the installation.

New Gymnasium

There is an external buried SIV within 2 metres of the gas entry point to the building. The gas runs to an external ECV with a 25mm PE riser and drops back below ground to re-enter the building via a 50mm steel entry to an internal AECV. The ECV is the demarcation point between the MoD network and the installation pipework. The internal pipework feeds the Gymnasium heater.

Appliance - Heater – Powrmatic Euro 50/F/1/AI

The total load for this building is 15.88 KW.
There is no Utilisation meter on this installation.
There is only steel pipe within the installation.

2.3 LPG Gas.

A brief description of the LPG installations, including how many compounds are at the establishment, condition and make up of each compound, the number and size (kg) of vessels in each compound, the number of LPG MOD networks, the number of buildings supplied from the LPG MOD networks, how many buildings are supplied direct and not from an LPG MOD network. Details of the LPG pipework after the first stage regulator up to the building(s).

Note: The demarcation agreement between the LPG supplier and the MOD has been agreed and the MOD take responsibility from the outlet of the first stage regulator. The LPG supplier is responsible for the vessel, vessel associated components (excluding any earth bonding) pipework up to and including the first stage regulator.

No LPG on this establishment

2.4 External Installation Pipework.

A brief description of the external installation pipework (above or below ground) on each building. This is from the ECV to where it enters the building(s), the material, diameter, lengths, supports, conditions etc.

There is no external installation pipework

2.5 Details of buildings served.

A list of the buildings being supplied by gas via an MOD network, LPG compound or directly from the EGDN and the usage of the gas (catering, hot water, heating, fire training, etc) at the building.

Ser	Building Number	Building description	Supplied by	Gas usage
1	Building 1	Office space, meeting/conference rooms, stores, catering, drill hall and a lounge/bar.	MoD Network	Heating, Catering
2	Building 2	Workshops, Stores, Caretakers Flat, Offices, Classroom	MoD Network	Heating, Hot Water, Catering
3	Building 3	Stores, Offices	MoD Network	Heating
4	Building 4	Workshop	MoD Network	Heating
5	New Gymnasium	Gymnasium	MoD Network	Heating

2.6 Additional details of buildings being served.

Any additional detail about a building that may be required or useful in an emergency or requires more details than captured above.

NOTE: This section is to be used to capture the Service Family Accommodation (SFA) properties where it is not practical to fit above.

N/A

3 METER DETAILS

3.1 Primary Meter Details.

The following table describes the basic arrangement of the primary meter installation(s). (These are the responsibility of the MAM)

NOTE: More detail on the primary meters that supply MOD networks can be seen in the GSMP part B.

Number of primary meter installations: 1 (EGDN Single Supply)

Meter Name / ID	MPRN	Supplying (MOD network ID or Bldg number)	location	Incoming pressure tier – HP, IP, MP, LP	Outlet pipeline				Max Flow (M^3 hr)
					P tier – HP, IP, MP, LP	Pressure (mbar)	Material	Diameter (mm)	
Bristol Artillery Grounds Primary Meter	3492804	WX13/Network/001	External Meter House at Northwest End of Building 3	LP	LP	23.6	Steel	100	100

3.2 Utilisation Meter Details. (meters supplied directly from the MOD gas network)

The following table describes the basic arrangement of the utilisation meter installation(s). (These are the responsibility of the MOD)

Number of utilisation meter installations: 0 (Buildings Supplied by MoD Network are shown)

Meter Name / ID	Being supplied from (MOD network ID)	Inlet pipeline				Outlet pipework				Max Flow (M^3 hr)
		P tier – HP, IP, MP, LP	Pressure (mbar)	Material	Diameter (mm)	P tier – HP, IP, MP, LP	Pressure (mbar)	Material	Diameter (mm)	
Building 1 – Not Metered	MoD Network - WX13/Network/001	LP	NTP	Steel	100	LP	NTP	Steel	100	N/A
Building 2 – Not Metered	MoD Network - WX13/Network/001	LP	NTP	PE	63	LP	NTP	Steel	80	N/A
Building 3 – Not Metered	MoD Network - WX13/Network/001	LP	NTP	PE	63	LP	NTP	Steel	50	N/A
Building 4 – Not Metered	MoD Network - WX13/Network/001	LP	NTP	PE	63	LP	NTP	Steel	50	N/A
New Gymnasium – Not Metered	MoD Network - WX13/Network/001	LP	NTP	PE	25	LP	NTP	Steel	40	N/A

4 DIAGRAMS AND DRAWINGS

4.1 Line diagrams for building(s) internal gas installation pipework.
This section is to contain line diagrams for building internal installation pipework and associated components. This diagram should be fixed to the building at a practical and accessible location as well as within any associated document centres. It may be embedded as a PDF to this document for online use.

NOTE: Drawings are only required for commercial installations or for installation in commercial settings (non-domestic use). This may mean more installations than listed in IGEM/UP/2 Edition 3 (4.2.14), depending on the installations intended use.

Drawing Number	Building	Comments
WX13-A-A3	Building 1	Not to Scale Gas Line Drawing
WX13-A-A3	Building 2	Not to Scale Gas Line Drawing
WX13-A-A3	Building 3	Not to Scale Gas Line Drawing
WX13-A-A3	Building 4	Not to Scale Gas Line Drawing
WX13-A-A3	New Gymnasium	Not to Scale Gas Line Drawing
		WX13-A-A3.pdf

4.2 Additional drawings.
This section is to contain any additional drawings that may be required or may be of benefit to this GSMP or emergency procedures.

Drawing Number	Building	Comments
WX13-B-A1	Sitewide	Site Gas Network Layout Drawing
		WX13-B-A1.pdf

5 GAS INCIDENTS

5.1 Site reporting procedures for dealing with gas incidents.

This section is to contain the establishment's site-specific procedure for dealing with reports of gas incidents with regards the external installation pipework, internal installation pipework and equipment. Details of all individuals with responsibilities under this procedure should be included.

Procedure for an incident involving the gas installations on site:

- Call VIVO Helpdesk on 0800 0309320
- The EGDN shall attend and make safe a gas incident.
- The VIVO Gas Responsible Person shall be informed immediately by the site personnel.

6 GAS EQUIPMENT

6.1 Equipment List.
This section is to include details of all the gas equipment being used at the establishment.

Building number	Equipment location	Equipment type (make, model)	Serial Number	Appliance kW rating	Flue classification	Comments
Fed from MoD Network 01						
Building 1	Plant Room	Vaillant ecoCRAFT VKK GB 160/3-E	211937001001439031000050 05N2	160	Open Flue	Heating Boiler No.1
Building 1	Plant Room	Vaillant ecoCRAFT VKK GB 160/3-E	211936001001439031000050 03N4	160	Open Flue	Heating Boiler No.2
Building 1	Kitchen	Moffat GT45 Deep Fat Fryer	402518	22.5	Flueless – Canopy Extract	
Building 1	Kitchen	Electrolux 6 Burner Range with Oven	No Data Plate	45	Flueless – Canopy Extract	
Building 1	Kitchen	Electrolux Solid Top with Oven	No Data Plate	40	Flueless – Canopy Extract	
Building 2	Workshop	Ambi Rad ER 22	Data Plate at High Level – No Access	22	Open Flue	
Building 2	Workshop	Ambi Rad ER 22	Data Plate at High Level – No Access	22	Open Flue	
Building 2	Workshop	Ambi Rad ER 22	Data Plate at High Level – No Access	22	Open Flue	
Building 2	Plant Room	Ideal Concord CXD 80 Boiler	ND 112302 9703 00008	90.7	Open Flue	

Building 2	Caretakers Flat	Baxi Bermuda LFE5 Super Fire	Data Plate not Visible	5.7	Open Flue	
Building 2	Caretakers Flat	Baxi Bermuda Back Boiler	Data Plate not Visible	16.48	Open Flue	
Building 3	Plant Room	Vaillant VU GB 1006/5-5 R5	21233300100107802010005595N9	102.8	Room Sealed	
Building 4	Vehicle Workshop	Ambi Rad AR 13	Data Plate at High Level – No Access	13	Open Flue	
New Gymnasium	Within Gymnasium	Powrmatic Euro 50/F/1/AI	G50JJ202	15.88	Open Flue	

6.2 Additional equipment information.
This section is to contain any additional equipment information that may be required or may be of benefit to this GSMP or emergency procedures.

Safety shut off valves are required to be frequently checked every year in accordance with CRFCA hard FM task list: 160418-GL-EST-Task2Ser9-GasApplianceandPipework
A list of the checks is captured below.

160418-GL-EST-Task 2Ser09-GasAppliance

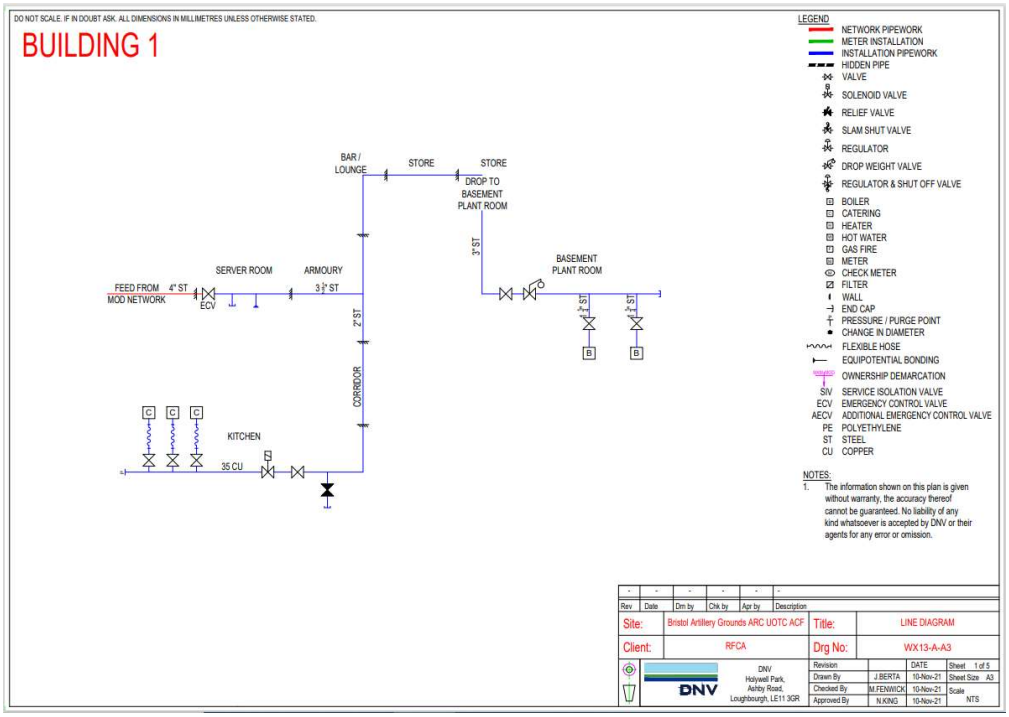
Kitchen Canopy Gas Interlock installed in Main Building Kitchen, with SSOV and emergency stop button by exit door. Confirmed as working on annual gas maintenance checks by inspection by supply chain Allsop and Pitts on 15/08/2023.

Artillery Grounds TA JB44964 56634 PMV.

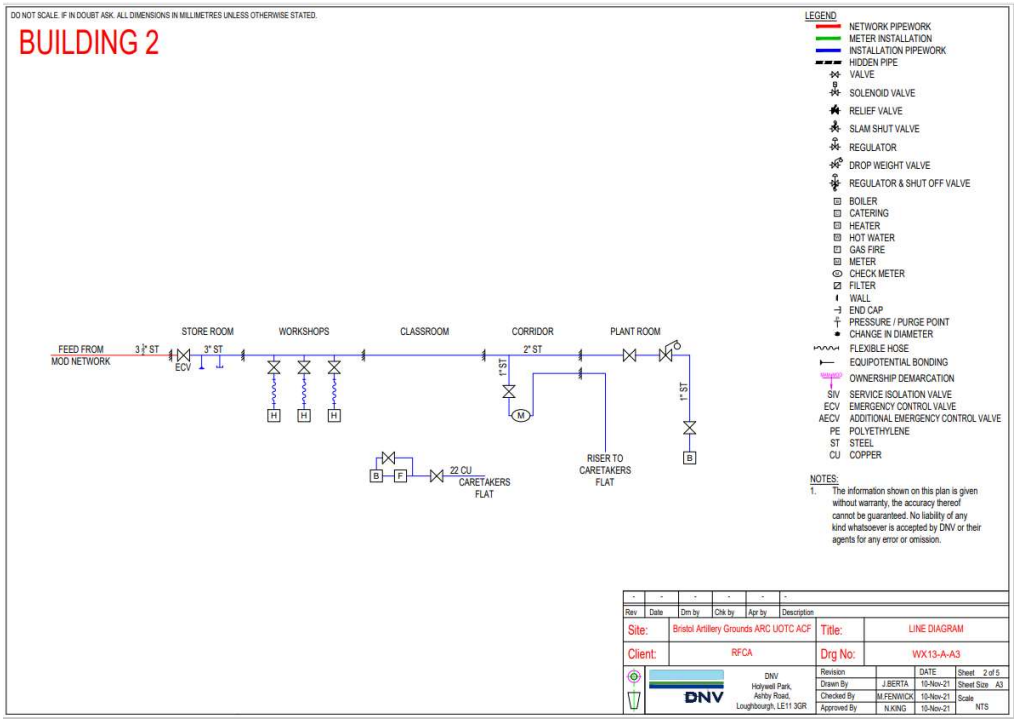
7 ANNEXES

Gas Line Drawings

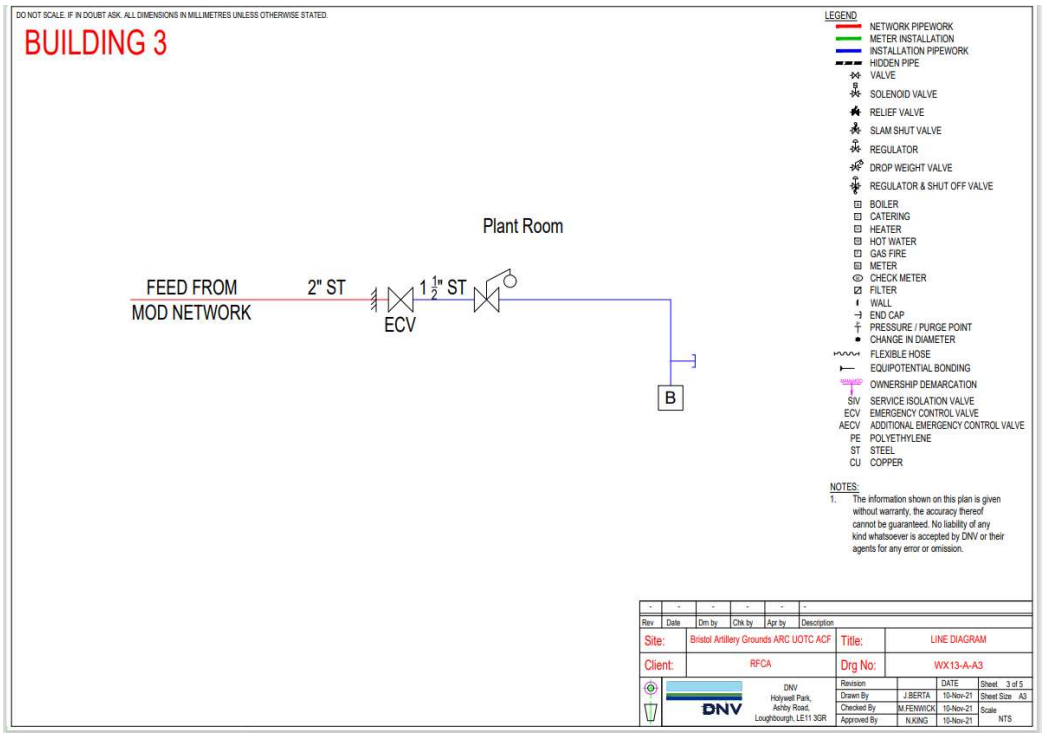
Building 1



Building 2



Building 3



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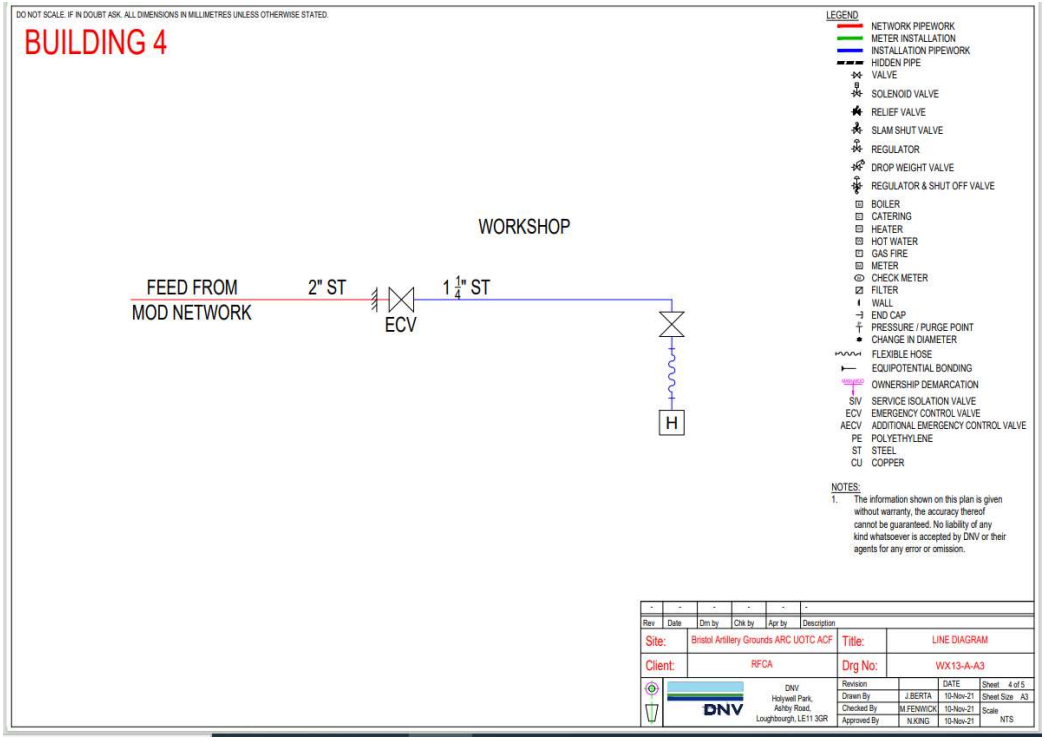
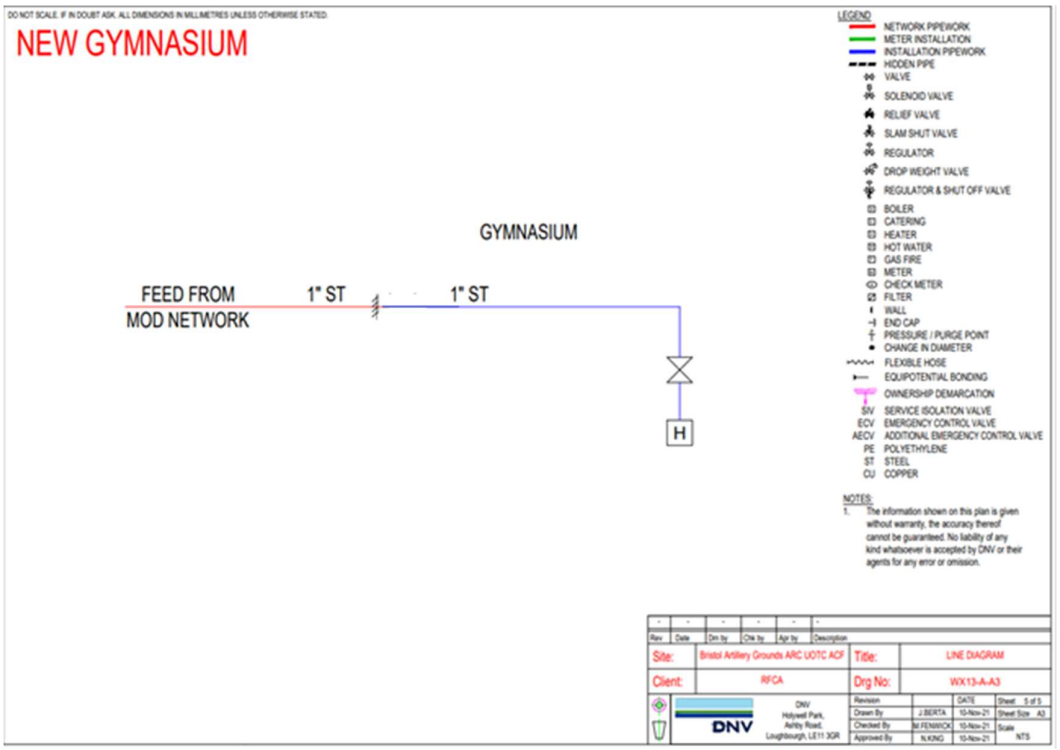


New Gymnasium



Gas Network Layout Drawing