

Action Notes of Medical Gas Group
DATE: Thursday 10th April
(Via MS Teams)

PRESENT: [REDACTED]

1. Welcome, introduction and Apologies

Apologies were received from Raili

2. AP and Medical Gas Pipeline update

- No issues reports
- Issues at FoD now resolved
 - High usage resolved with training in how to correctly use this new type of regulators
Regulators are serviced and maintained by medical engineering. No register of when flow meters are serviced. How do we know if any regulators are not serviced?
Oxygen flow meters
Demand valves for NO
- [REDACTED] Action: [REDACTED] to contact Med Eng and ask if there is a report available of the medical gas related items serviced
- Electrical surge damaged circuit board
- [REDACTED] has completed AP training
- Annual medical gas pipeline audit carried out approx. 2 months ago. Report in draft form but nothing urgent has been raised to [REDACTED]. Final report to be shared with the group

[REDACTED] – asked for clarification of switching off medical gas to MIIUs

In an emergency isolator switch behind an emergency break glass but [REDACTED] not aware that this in current procedures

Action : [REDACTED] to check what is the role of clinical staff in isolating gas flow in an emergency situation

3. NHS England Piped Nitrous Oxide Cylinder

- [REDACTED] confirmed no piped NO on any GHC sites

4. Authorisation of Administration of oxygen

- Currently looking at support needed to ensure oxygen is prescribed and administered correctly outside of the Trust CG in place for administration of oxygen in a clinical emergency. Often scenarios where patients may become unwell but not 'critically' unwell but unclear whether oxygen is clinically indicated
- [REDACTED] suggested incorporating into NEWS/PEWS

5. Medical Gas Contract

BOC current contract provider under a SW PPS regional contract. Current waiver due to expire 30/4/25. Waiting to hear next steps. Very limited options for suppliers to the Southwest

6. Medical gas Usage

- ■ shared BOC cylinder holdings and highlighted those that were delivered 3+ years ago
- ■ suggested this list is sent to service managers and ask for assurance that
 - There are no out of date cylinders
 - There number of cylinders held is clinically appropriate

This was supported by the Group – ■ to action

7. Medical Gas audit

- ■ suggested sending out the agreed audit template with the email regarding cylinder list and ask for completion of the audit – agreed by the group. ■ to action

8. Training

- ■ has started to collate a training needs assessment. She will send out and ask members to complete to support discussion with the training teams. ■ to Action

9. Incidents/issues

Medical gas cylinder bracket safety notice. ■ to send round to sites

New Resus trolley delivered to Milson Street without the bracket. The brackets have now been sent separately but very challenging to fit the bracket. Suggested that as an initial error by the company they are asked to fix the issue

10. AOB

- FoD have no signage for medical gases. ■ will sort
- Discussion regarding storage of Entonox cylinders in MliUs. As this is a product with potential for abuse need to be sure it is stored safely in areas where members of the public may be unsupervised. ■ will raise at MliU
- ■ looking for a paediatric mask to fit on a demand valve to support administration of Entonox for pain relief. ■ will ask NHS supply chain

MEDICAL GAS GROUP ACTION LOG

Date of Mtg	Item Ref.	Action	Lead	Due Date	Status / Progress
10/4/25	2.0	Contact Med Eng and ask if there is a report available of the medical gas related items serviced	█	July 25	
10/4/25	2.1	Annual medical gas pipeline audit to be brought to Medical Gas Group	█	July 25	
10/4/25	2.2	Confirm the role of clinical staff in isolating gas flow in an emergency situation	█	July 25	
10/4/25	6.0	Send lists of cylinders delivered more than 3 years ago to sites and ask for assurance that: -The cylinders on this list are present and in date or are not present on the site -No out of date cylinders are on the site - The number and range of cylinders present is clinically appropriate	█	July 25	
10/4/25	7.0	Send audit template to all sites and request completion	█	July 25	
10/4/25	8.0	Share training needs assessment documents for members of the group to review/ amend	█	July 25	
10/4/25	9.0	Medical gas cylinder bracket safety notice to be shares	█	July 25	
10/4/25	10.0	Paediatric mask to fit on a demand valve to support administration of oxygen required by MIU. Check if Supply Chain can provide	█	July 25	
1/7/24	6.6	Query as to vented doors in Hope House PAS suites where Entonox is used	█	Sept 24	
26/02/24	4.1	Action from Stroud Hospital Return of J medical air cylinders Move from piped to ZX in theatres Cages/safe storage for liquid nitrogen Return of excess Oxygen ZX and special mix cannister	█	Mar 24 Mar 24 April 24 Mar 24	1/7/24 – █ will follow up with █ if the cylinders previously discussed have been returned. █ to follow up with █ about cage for storage of liquid nitrogen █ to follow up with █ about medical air in theatres
20/11/23		Training for liquid nitrogen		June 24	On line provider in █ chargeable. Need training on safe decanting and moving. In Sexual health decanting happens regularly █ to check what happens in CoHo OPDs
20/11/23	7.0	Training for porters		June 24	Training has happened in FOD because of the move to piped system. █ to contact RA about other porter training

20/11/23	8.0	Signage for MIUs		Jan 24	
20/11/23	7.0	Link medical gas training on Care to Learn to Medicines Optimisation Training	■	Jan 24	
20/11/23	7.0	Any dentistry medical gas needs		Feb 24	Dental on membership- action closed
20/11/23	4.0	Entonox from F to ZX	■	Feb 24	MIUs happy- ■ to confirm if ok for theatres/endoscopy
20/11/23	4.0	Move all oxygen cylinders to ZX or CD	■	Feb 24	■ to confirm with all services any need for other sizes
20/11/23	4.0	Move from air by manifold to ZX cylinder	■		
7/3/23	4.3	Guidance on minimising time weighted exposure to nitrous oxide in health care settings in England. Assurance needed from all areas using NO and/or Entonox MIU Theatre Endoscopy Inpatient Hope House	■	May 23	■ had checked all areas for ventilation and requested works. Will follow up to see if this has been actioned
7/3/23	5	Dew point monitoring of medical air systems to be progressed	■	Sept 24	Still ongoing. ■ to confirm if Stroud the only site this is required at. ■ will check and update at Sept 24 meeting
1/7/24	4.0	Medical Gas Pipeline Audit and action plan to come to the group	■	Sept 24	Refer to 10/4/25/ 2.1- Closed
1/7/24	5.1	Look at cylinder holdings at Stroud – can these be reduced (linked to 26/2/24 4.1)	■	Sept 24	Refer to 10/4/25 6.0- closed
1/7/24	5.2	Look at cylinder holdings at CLH. Link with Matron	■	Sept 24	Actioned cylinder holding at WLH has been reduced
1/7/24	6.1	All to look at NHS E training module on e-lfh and feedback https://portal.e-lfh.org.uk/Component/Details/822540	■	Sept 24	Feedback – good in part but too complex for most
1/7/24	6.2	All to look at draft Audit questions and feed back	■	Sept 24	Action completed
1/7/24	6.3	Can the audit be made electronic- ask Clinical Audit team	■	Sept 24	Action completed
1/7/24	6.4	Can facilities do the data collection- ask ■	■	Sept 24	Action completed – to leave for individual sites to agree
1/7/24	6.5	Does the current training cover moving patients while they are on oxygen	■	Sept 24	Action completed
26/02/24	7.0	■ to draft and share safe and secure handling of medical gas cylinders audit	■	April 24	On agenda Closed
26/02/24	8.0	■ to get access to BOC online portal	■	March 24	■ raised the request. ■ to confirm if he has access
20/11/23	8.0	Review existing alerts relating to medical gases		Oct 24	closed
20/11/23	7.0	Approval of video on Resus level 3 training	■	Dec 23	Closed- approval

20/11/23	4.0	Oxygen safe and secure handling audit		April 24	Duplicate action to 26/2/24 7.0 - closed
20/11/23	4.0	Assurance visits on CoHo cylinders		April 24	Working through all sites – close on action log and move to agenda- Closed
31/7/23	3.1	Urgent visit to FoD site to establish if safe to install liquid oxygen provision	■	August 23	completed
31/7/23	3.3	Confirmation of sufficient cylinder storage provision at new site	■	Sept 23	completed
31/7/23	4.1	Discuss with ■ if any contractual arrangement in place for BOC delivery to Tewkesbury	■	Sept 23	completed
31/7/23	4.2	Ensure no leaks in pipeline or tank at Tewkesbury	■	Sept 24	Ongoing work. ■ will follow up. July 24- Midland medical coming to review medical gas pipeline. ■ to update at September 24 meeting. Action closed- issues resolved
31/7/23	4.3	If no leaks discuss increases usage with the clinical team	■	Sept 24	As above
31/7/23	10.0	Is the planned provision at FOD new build sufficient to meet predicted demand	■	Aug 23	completed
7/3/23	2	Ensure delivery and management of medical gasses for Hope House is as required and documented in SLA with GHFT	■	April 23	No specific medical gas SLA part of a wider agreement. To go on a ■ risk register? ■ to discuss with ■ –CLOSED
7/3/23	3.1	Share the L3 Medical Gas training video for comment by members. Comments by 17/3/23	■	March 23	no comments received. LB to resend for comments
7/3/23	3.2	Training resource specifically for theatres	■	June 23	ongoing
7/3/23	4.1	■ to share name of Theatre gas CD	■	April 23	Name shared -CLOSED
7/3/23	4.2	Have conversation with dentistry services regarding NO cylinder levels	■	April 23	Completed- CLOSED
7/3/23	5	■ to share Last year's medical gas audit to be shared with the group and provide assurance of completion of any actions identified	■	April 23	Completed Feb 24
7/3/23	6	Action cards from policy to be shared for comments back	■	April 23	Closed- see action below
7/3/23	7	Action plan to be shared and members to review section relevant to their service/ areas and add evidence of compliance ■ asked for access to the BOC cylinder holding information. ■ to progress with BOC	■ ■	April 23 April 23	Non received- CLOSED
7/3/23	10	Clarification of correct storage of Entonox in MilUs.	■	April 23	Actioned and CLOSED
12/10/21	5	Establish medical gas contract status	■		■ continuing to look into the contracting arrangements. Add to the agenda for next meeting- close on action log

12/10/21	6	Discussion with GHC Training Team on what is available in house for oxygen and Entonox	█		On the agenda can close on action log
		Medical Gas theatre competencies to be shared	█		completed
12/10/21	9	Medical Gas Policy to be drafted	█	March 22	On agenda- to close on action log
28/3/22	4	To notify all relevant service managers of the new training available and ask that they support their teams to undertake as soon as possible █ to ask █ to update on uptake of medical gas training for porters at the next meeting	█	31/3/20 22 23/5/20 22	CLOSED CLOSED AND ADDED THE AGENDA
28/3/22	5	█ to discuss with █ the plan for cylinder reconciliation	█	25/4/20 22	CLOSED as an action – standing agenda item
28/3/22	7	Feedback from members on the Deep Dive questions	█	8/4/22	CLOSED
28/3/22 23/5/22	9	Feedback on draft of Medical Gas Policy	█	14/4/22	CLOSED
28/3/22 23/5/22	10	Feedback on ToR	█	8/4/22	CLOSED
23/5/22	4	█ to progress discussion on Essential for Role training	█		CLOSED
		█ to send details of sexual health liquid nitrogen training for inclusion in Medical Gas Policy	█		CLOSED
23/5/22	5	Ensure ongoing audit is included in the groups action plan Get clarity on ordering and invoicing for medical gases at Hope House	█ ██████		CLOSED CLOSED –ordering/management of medical gases for █ is through GHFT
23/5/22	7	Action plan Feedback from members on content	█	10/6/22	CLOSED
21/11/22	4	█ to send █ the training video	█	Nov 22	CLOSED
21/11/22	5	█ to look for resource to support cylinder reconciliation work	█	Feb 23	CLOSED- resource identified and project started
	5	Discuss with ██████ an option to convert a Trust van to enable safe movement of cylinders from a base to smaller sites	█	Jan 23	CLOSED – raised through Medicines Optimisation Group
21/11/22	8	Feedback on action plan to █	█	Nov 22	CLOSED – no feedback received
21/11/22	10	Inpatient MH representation	█	Dec 22	CLOSED – raised ██████