

ALARMS SYSTEMS: ACTIONS TO BE TAKEN IN THE EVENT ON A MGPS ALARM

The tables below show the actions that should be taken for each alarm indication.

NB: DISABLING THE ALARM SYSTEM IN ANY WAY IS ABSOLUTELY FORBIDDEN, AS THIS ACTION MAY COMPROMISE PATIENT SAFETY.

Abbreviations:

NWH = Normal Working Hours (0800 to 2200 Monday to Friday)

OOH = Outside Of normal working Hours

STAFF NEED TO IDENTIFY THE APPLICABLE ALARM PANEL AND THE AREA MONITORED BY THE ALARM PANEL (SHOWN IN BRACKETS) FROM THE FOLLOWING LIST AND TAKE THE ACTION APPROPRIATE TO THE TYPE OF ALARM PANEL.

- i) **MEDICAL COMPRESSED AIR ALARM.** This type of alarm panel is installed in **MAIN SWITCHBOARD, (SDH North) PEMBROKE SUITE, (SDH Central) and SPINAL UNIT**

ALARM INDICATION	ACTION - PERSON NOTICING ALARM CONDITION TO:
NORMAL	Take no action
PLANT FAULT	NWH - Call Estates Technical Services OOH - Call 'On-call' Engineer via Switchboard
PLANT EMERGENCY	
RESERVE LOW	
PRESSURE FAULT	

- ii) **MEDICAL VACUUM ALARM** This type of alarm panel is installed in **MAIN SWITCHBOARD, (SDH North) PEMBROKE SUITE, (SDH Central) and SPINAL UNIT**

ALARM INDICATION	ACTION - PERSON NOTICING ALARM CONDITION TO:
NORMAL	Take no action
PLANT FAULT	NWH - Call Estates Technical Services OOH - Call 'On-call' Engineer via Switchboard
PLANT EMERGENCY	
PRESSURE FAULT	

iii) **MEDICAL OXYGEN ALARM** This alarm panel is installed in **MAIN SWITCHBOARD** and monitors the oxygen supply for the whole hospital.

Indication	Legend	Action
Green (Normal)	"Normal".	No action.
Yellow (VIE (Bulk oxygen tank) low <25%)	"Liquid Low".	<p>Switchboard</p> <ul style="list-style-type: none"> • Call Duty Pharmacist • Call Estates Technical Services <p>Call Air Products to request an urgent delivery.</p> <p>Check VIE for physical condition e.g. damage, safety valves etc. or VIE malfunction.</p> <p>If necessary call ESTATES TECHNICAL SERVICES Medical Gas Authorised Person and/or Air Products emergency number for advice. Report findings to Duty Pharmacist.</p>
Yellow (VIE empty, standby in use)	"Re-fill liquid immediately".	<p>Switchboard</p> <ul style="list-style-type: none"> • Call Duty Pharmacist, • Call Duty Porter • Call Estates Technical Services <p>Call Air Products <i>urgently</i>. To ensure that delivery is imminent. Inform ETS of ongoing problem. Warn Site Cover/Duty Manager that we have run out of bulk oxygen and are now running on reserve. Consider ordering urgent delivery of oxygen <u>cylinders</u> from BOC.</p>
		<p>Site Cover /Duty Manager/ Duty Porter</p> <p>To consider the distribution of oxygen cylinders from main cylinder store to critical areas i.e. Radnor, NICU, Theatres.</p> <p>Check cylinder contents regularly in main SDH North & Spinal manifold rooms.</p> <p>Organise replacement cylinders in main SDH North and Spinal manifold rooms in conjunction with the pharmacist.</p>

APPENDIX H

		ESTATES TECHNICAL SERVICES Engineer	Attend site to assist resolving ongoing problem, if necessary call ESTATES TECHNICAL SERVICES Medical Gas Authorised Person and/or Air Products emergency number for advice. Report findings to Duty Pharmacist.
Red (Pressure in standby system <50%)	"Reserve fault".	Switchboard Duty Porter Duty Pharmacist	<ul style="list-style-type: none"> • Call Duty Pharmacist, • Call Duty Porter • Call Estates Technical Services <p>Supply cylinders to wards.</p> <p>Check status of liquid delivery with Air Products URGENTLY and inform ETS, Site Cover and Duty Manager of ongoing problem.</p>
		Site Cover/Duty Manager ESTATES TECHNICAL SERVICES Engineer	<p>Instruct porters to distribute oxygen cylinders to critical areas if this has not already been done.</p> <p>Attend site to assist resolving ongoing problem, if necessary call ETS Medical Gas Authorised Person and/or Air Products emergency number for advice. Report findings to Duty Pharmacist.</p>
Red (Pipeline pressure fault)	"Pressure fault".	Switchboard ESTATES TECHNICAL SERVICES Engineer	<ul style="list-style-type: none"> • Call ETS On Call engineer. <p>Call ETS Medical Gas Authorised Person for advice.</p>

Note 1: First "Red" alarm actually indicates at approx. 68 bar cylinder content pressure.

Note 2: Air Products supply liquid oxygen ONLY. BOC supply all other gases in cylinders.

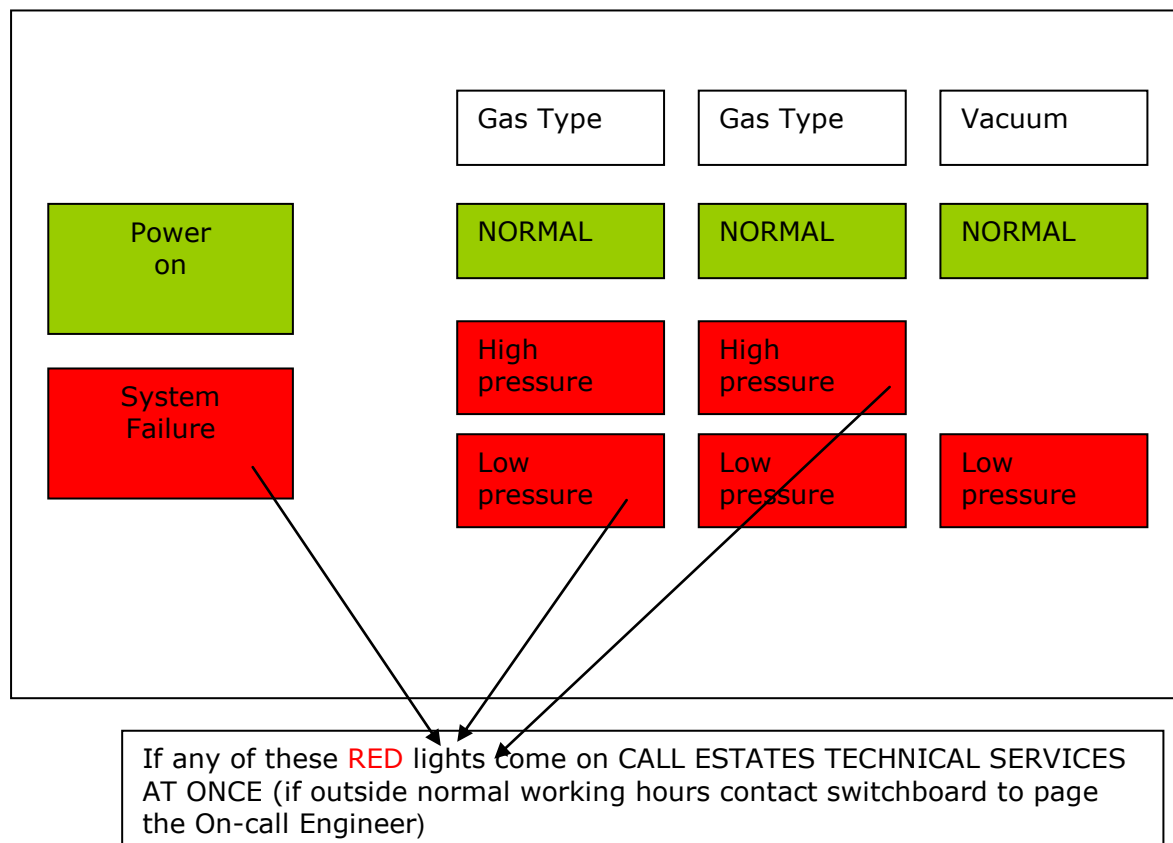
iv) NITROUS OXIDE ALARM This type of alarm panel is installed in MAIN SWITCHBOARD, (SDH North) MATERNITY, DAY SURGERY UNIT

ALARM INDICATION	ACTION - PERSON NOTICING ALARM CONDITION TO:
NORMAL	Take no action
CHANGE CYLINDERS	NWH - Call Porters OOH - Call Porters
CHANGE CYLINDERS IMMEDIATELY	
RESERVE LOW	
PRESSURE FAULT	NWH - Call Porters and Estates Technical Services OOH - Call Porters and 'On-call' Engineer via Switchboard

v) ENTONOX ALARM This type of alarm panel is installed in MATERNITY.

ALARM INDICATION	ACTION - PERSON NOTICING ALARM CONDITION TO:
NORMAL	Take no action
CHANGE CYLINDERS	NWH - Call Porters OOH - Call Porters
CHANGE CYLINDERS IMMEDIATELY	
RESERVE LOW	
PRESSURE FAULT	NWH - Call Porters and Estates Technical Services OOH - Call Porters and 'On-call' Engineer via Switchboard

vi) LOCAL WARD/DEPARTMENT ALARM (This type of alarm panel is installed in ALL WARDS and DEPARTMENTS)



NB THE SYSTEM FAILURE LIGHT INDICATES A PROBLEM WITH THE ALARM PANEL ITSELF, NOT WITH THE MEDICAL GAS PIPELINE SYSTEM -

If the electricity supply to an **alarm panel only** is interrupted the panel will display a "System Failure" red warning light and emit an audible alarm; gas supplies will not be affected.

A SYSTEM FAILURE light/alarm is incorporated into all medical gas alarm panels.

It is the responsibility of the Authorised Person (MGPS), to ensure that a procedure for each alarm indication is displayed next to the respective relevant alarm panel.