



Regulator Pilot Failure

High High Pressure Alarm

Andrew Hynes - AGIG
0417 931 924



Our Connection to Country

By artist
Karen Briggs



Wurundjeri People of to Kulin Nation

Acknowledgement of Country

AGIG acknowledges the Traditional Custodians of the lands upon which we live and operate, and we pay our respects to Elders past, present and emerging.

We recognise Aboriginal and Torres Strait Islander people's historical and ongoing connection to land and waters, and we embrace the spirit of reconciliation.

Our Vision

To deliver infrastructure essential to a sustainable energy future

Our Strategic Pillars

Customer Focussed

- ★ Public Safety
- ★ Customer Experience
- Cost Efficient



A Leading Employer

- ★ Health and Safety
- Employee Experience
- Skills Development



Operational Excellence

- Profitable Growth
- ★ Benchmark Performance
- ★ Reliability



Sustainable Communities

- Enabling Net Zero
- Environmentally Focussed
- Socially Responsible



Our Values

We build **Trust**



We are **Accountable**



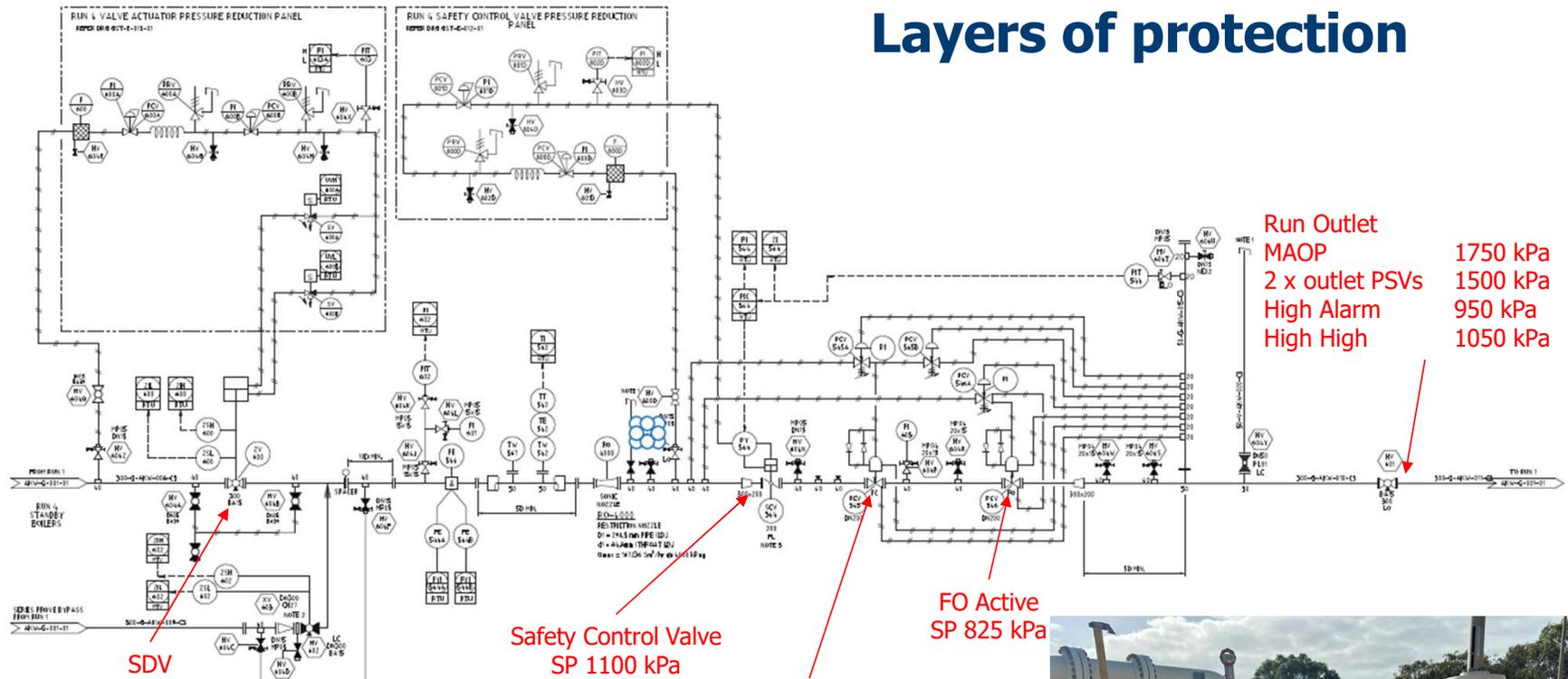
We **Care**



We are **One Team**



Layers of protection



Run Outlet
 MAOP 1750 kPa
 2 x outlet PSVs 1500 kPa
 High Alarm 950 kPa
 High High 1050 kPa

SDV
 Remote Operated
 Run Shut 1837 kPa

Safety Control Valve
 SP 1100 kPa

FC Monitor
 Mon SP 950 kPa
 Acc SP 1000 kPa

FO Active
 SP 825 kPa

PRESSURE SET POINT TABLE

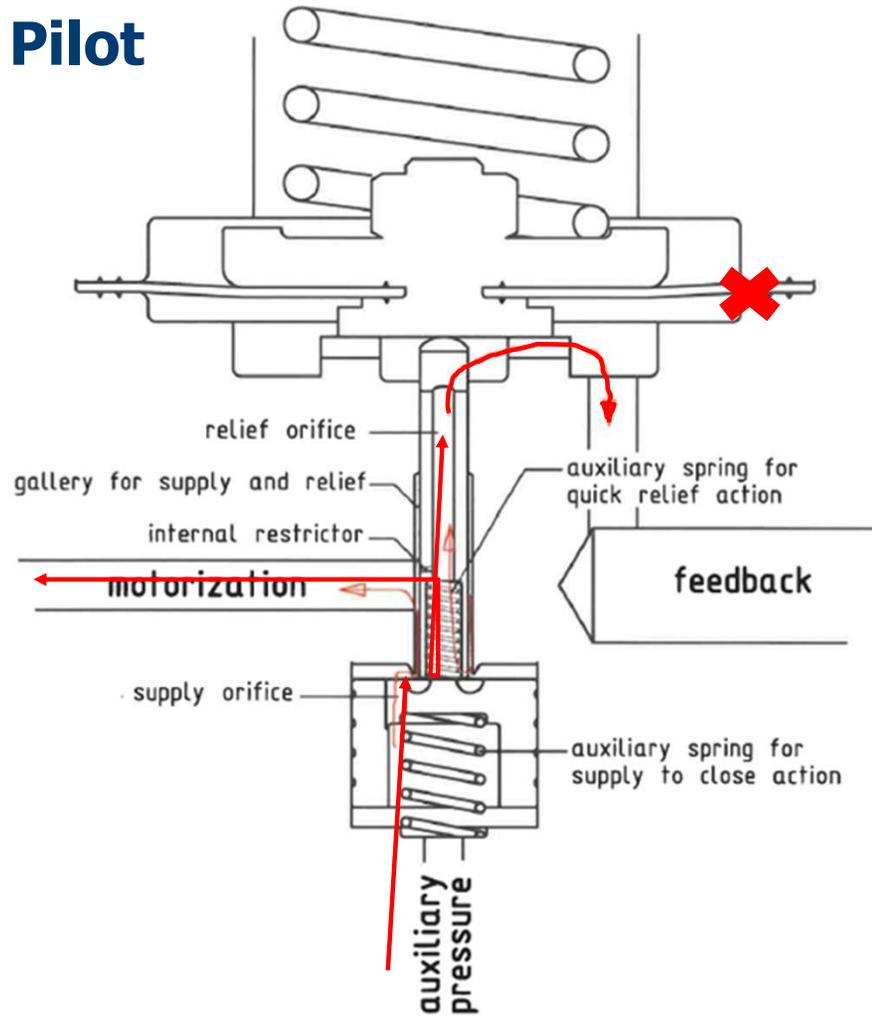
TAG	DESCRIPTION	SET POINT	UNIT
PCV4004	SDV INST. GAS 1ST CUT PCV	3000	hPa/g
PRV4004	SDV INST. GAS 1ST CUT PRV	3400	hPa/g
PCV4008	SDV INST. GAS 2ND CUT PCV	700	hPa/g
PRV4008	SDV INST. GAS 2ND CUT PRV	1000	hPa/g
SCV544	RUN & SAFETY CONTROL VALVE	1100	hPa/g
PCV5454	RUN & MONITOR CONTROLLER	950	hPa/g
PCV5458	RUN & MONITOR ACCELERATOR	1000	hPa/g
PCV5444	RUN & ACTIVE CONTROLLER	825	hPa/g
PCV4002	RUN & SCV INST. GAS 1ST CUT PCV	3000	hPa/g
PRV4002	RUN & SCV INST. GAS 1ST CUT PRV	3400	hPa/g
PCV4006	RUN & SCV INST. GAS 2ND CUT PCV	700	hPa/g
PRV4006	RUN & SCV INST. GAS 2ND CUT PRV	1000	hPa/g

SCADA PRESSURE ALARM TABLE

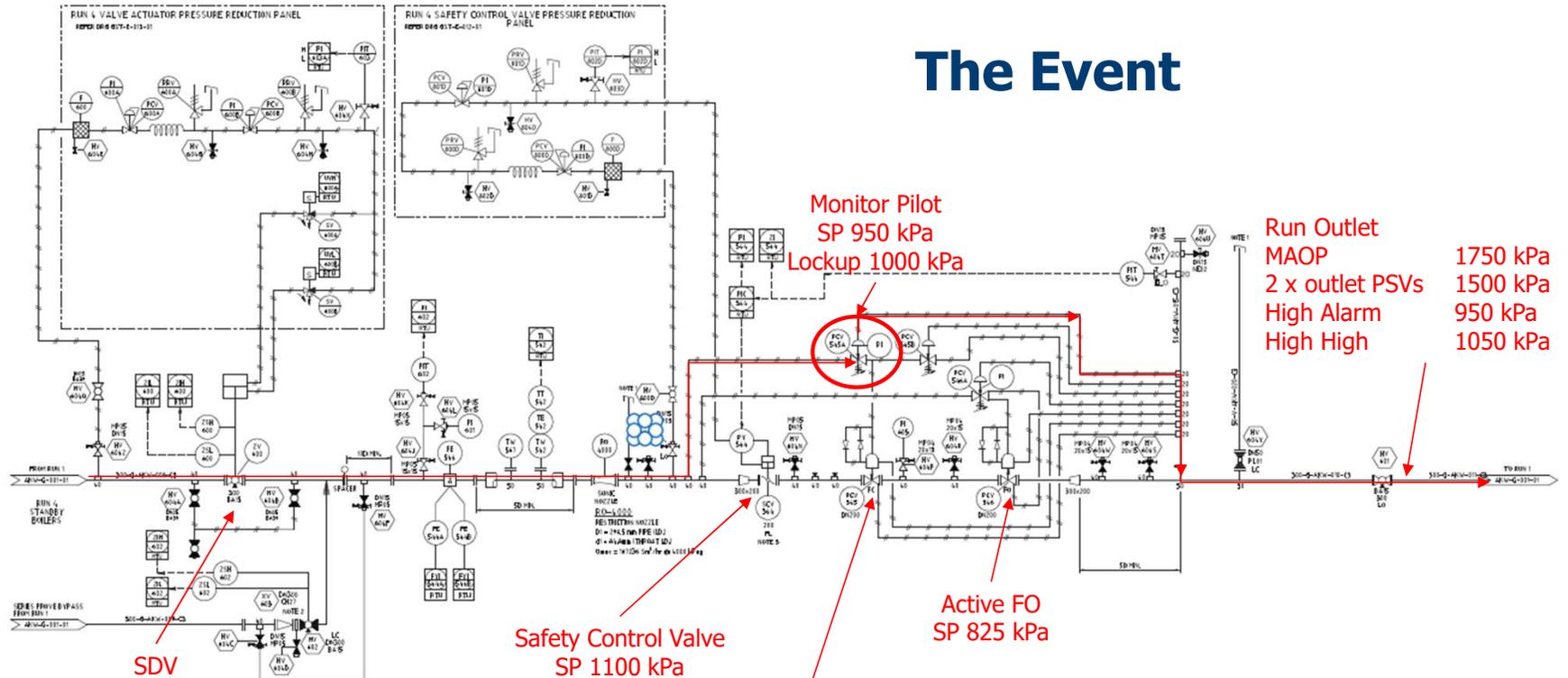
INSTRUMENT TAG	DESCRIPTION	UNITS	SCADA TAG	SCADA DESCRIPTION	ALARM		ALARM	
					H	Lo	HHi	LoLo
PIT4002	RUN & SCV INST. GAS PRESS.	hPa/g	TBC	TBC	400	500		



Bleed Type Monitor Pilot



The Event



SDV
Remote Operated
Run Shut 1837 kPa

TAG	DESCRIPTION	SET POINT	UNITS
FCV450A	SDV INST. GAS 1ST OUT PCV	3000	IPa/g
PRV400A	SDV INST. GAS 1ST OUT PRV	3400	IPa/g
FCV450B	SDV INST. GAS 2ND OUT PCV	100	IPa/g
PRV400B	SDV INST. GAS 2ND OUT PRV	1000	IPa/g
SCV544	RUN 4 SAFETY CONTROL VALVE	1100	IPa/g
FCV545A	RUN 4 MONITOR CONTROLLER	950	IPa/g
FCV545B	RUN 4 MONITOR ACCELERATOR	1000	IPa/g
FCV544A	RUN 4 ACTIVE CONTROLLER	825	IPa/g
FCV400	RUN 4 SCV INST. GAS 1ST OUT PCV	3000	IPa/g
PRV400	RUN 4 SCV INST. GAS 1ST OUT PRV	3400	IPa/g
FCV400B	RUN 4 SCV INST. GAS 2ND OUT PCV	100	IPa/g
PRV400	RUN 4 SCV INST. GAS 2ND OUT PRV	1000	IPa/g

SCADA PRESSURE ALARM TABLE

INSTRUMENT TAG	DESCRIPTION	UNITS	SCADA TAG	SCADA DESCRIPTION	ALARM		ALARM	
					H	LO	HH	LOLO
PIT400D	RUN 4 SCV INST. GAS PRESS.		TBC		800	500		



Lessons Learnt

- 1 – Guideline for managing sites with 0 flow.
- 2 – Key Stakeholder engagement process for sites that enter Hiatus
- 3 – Upgrade all medium pressure Pilots to Reinforcement Diaphragm.
- 4 – Refit all Auxiliary Pressure Tapping points to downstream of the SCV
- 5 – Refresh Controllers on Alarm response and follow-up.
- 6 – Review Control Center’s alarm response Guideline
- 7 – Review all brands of pilots to understand if the same failure state exists
- 8 – Increase the data provided on SCADAs graphic User Interface displays
- 9 – Verify all 105% MAOP alarms are in SCADA.

AGIG

agig.com.au

AGN

australiangasnetworks.com.au

DBP

dbp.net.au

MGN

multinetgas.com.au

