

# Venting 9kg Cylinder Butchers Deagon

Incident Details *Created from the Non Operating Plant*

Notification No GPN 5950

Details

Business Name	Deacon Bulk Meat	Contact	The Manager
Address (L)	116 Barclay street Deacon Qld 4017	Telephone No	
Region	Southern Regional Office	Status	Controlled
Brief Title	Venting 9kg Cylinder Butchers Deagon		
Industry Type	Domestic Type A		
Date Occurred	14/01/2014	Date Notified	14/01/2014
Time Occurred	11:08 AM	Time Notified	11:08 AM
Notified By		Telephone	
Logged By	Christopher Bertram	Ref No	
Initial Response By			
Onsite Attendance			
Incident Classification	No Injuries	Damage	
Nature of Event	Fire	High Potential Incident	Yes
		Prescribed Incident	Yes
No. of Injuries	0	No. of Fatalities	0
Type of Injury			
Nature of Injury		Gas	LPG

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Injury - Body Location  
Mechanism

Equipment  
Media

Cylinder

Time Spent (hrs)

Entered	Month	Entered By	RTI	Hours	Comments
<b>Total Hours</b>				<b>1.00</b>	
14/01/2014	January	Christopher Bertram	No	0.50	
14/01/2014	January	Christopher Bertram	No	0.50	

Summary

**Incident Summary**

Notification from firecom building fire caused 9kg cylinder to vent no action required. venting cylinder outside safely. Bruce ?(fire officer (6) Personal information) contacted the inspectorate requesting a site visit to confirm if the installation is compliant to the standards

**Response Action Taken**

**Others Notified** Reg Mgr

Sent email to Luke requesting an Inspector visit the premises and verify if the gas installation is compliant, the cylinder has been removed from site and will be kept at the fire station until further notice.

**Investigation Findings**

**Potential  
Causal Factors**

**Recommendations**



Request from firecom to inspect a gas installation @ Deagon Bulk Meat.msg

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Report Attachments

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**FORSTER Luke**

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**From:** BERTRAM Christopher  
**Sent:** Tuesday, 14 January 2014 12:35 PM  
**To:** FORSTER Luke  
**Subject:** Request from firecom to inspect a gas installation @ Deagon Bulk Meat

Hi Luke this morning I received a notification from firecom Brisbane of a building fire (see GPN 5950) where the heat from the fire had caused the 9kg cylinder to leak gas, I provided advice over the phone for the best way to control the gas leak. As a follow up Bruce (fire officer) contacted me with an update, cylinder is safe and will be removed from the scene, but he has concerns over the installation and wishes for us to attend and access the installation as being compliant or not. I did say we would help and if possible Rob lives near to the incident maybe on his way home he can have a look at it.

Chris

The address is Deagon Bulk Meats, 116 Barclay Street, Deagon

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## Deacon Bulk Meat

Inspection Details *Created from the Non Operating Plant*

		Reference No	GPO 25075
Business Name	Deacon Bulk Meat	Status	In Progress
Contact Name	The Manager	Region	Southern Regional Office
Address	116 Barclay street Deacon Qld 4017	Telephone No.	
Industry Type	Domestic Type A	Reason for Inspection	Follow-up
Gas	LPG	Check List Item	
Inspection Date & Time	14/01/2014 03:00:00 PM	Inspector	Rob Lloyd
		Supporting Inspector(s)	
Assessment	Unacceptable		
Compliance Tool Used	Inspection/Audit report	Keywords	Butcher Shop
Danger Tag Used? (Y/N)	No		

Time Spent	Entered	Month	Entered By	RTI	Hours	Comments
<b>Total Hours</b>					<b>12.50</b>	
	🕒 17/02/2014	February	Rob Lloyd	No	0.50	
	🕒 17/02/2014	February	Rob Lloyd	No	0.25	

### Attributes Inspected

Customer owned 9kg Liquid petroleum gas Cylinder connected to single ring burner.

## Observations

14/1/14-Visual inspection only. Inspection was carried out on the request from QFRS in relation to an earlier incident, details are found in GPN 5950.

A fire believed to be from a 9kg cylinder caused significant property damage with no injuries.

The single ring burner(photo 1) was found at the back of the small room (photo 2). sch4p4( 6) Personal information stated this is the usual area they operated the burner. The single burner had a small isolating valve, no flame failure and was manually lit with a BBQ gas lighter. The single ring burner was purchased in last 12 months from an army disposable store called "Bushys" in Strathpine, Brisbane. stated that no operating instructions, data, hose or regulator came with the burner. The hose and regulator was fitted to the single burner by stated that he had a old hose and regulator from home that he fitted. was unaware if it was an indoor or outdoor appliance. The regulator could not be retrieved at the stage due to debris etc but stated it was a single stage regulator. and stated that the hose assembly was approximately 500mm long.

The Customer owned 9kg Liquid petroleum gas Cylinder involved in the fire had been removed from site from QFRS. stated the cylinder had been filled the day before at BCF Geebung. also stated that it was difficult to turn on the cylinder after also struggled to turn on the cylinder. and both stated they believe the gas was leaking from the spindle/valve after both struggling to turn it on. had taken two 9kg Liquid petroleum gas Cylinders to get re-filled at BCF. was unable to get one of the cylinders filled as it was out of test date. said she usually insists that they transport the cylinders in milk crates, to stop them from rolling around. Inspector Lloyd noticed one 9kg Liquid petroleum gas Cylinder in the back of sedan, the cylinder was lying down unrestrained in the boot of vehicle. Immediately asked for the cylinder to be removed from the vehicle as it was in direct sunlight. said it was the empty cylinder that BCF didn't fill yesterday and he had not removed it yet. stated that this is how he transported the cylinders in the vehicle yesterday. The 9kg Liquid petroleum gas Cylinder may have been damaged in transport as they were transported in unrestrained manner.

15/1/14- 4.45pm Sandgate Fire station, FO Bruce Ford and SI Lloyd conducted inspection on the Customer owned 9kg Liquid petroleum gas Cylinder and valve assembly. It was noted that there was increased heat patterns at different points around the base of the gas cylinder collar (photo 3). The valve stem assembly with 2 "O" rings was not damaged and on inspection provided no evidence of a leak (photo 4). This evidence suggest that gas was not likely to be leaking from the valve stem as stated from witnesses. The valve assembly on inspection was not in its usual orientation, this is likely to be caused from excessive heat

to the thread body and possibly been bumped in extinguishing the cylinder (photo 5) . FO Ford stated that he had witnessed the first removal of the POL fitting from gas cylinder valve and no evidence of the rubber domed ring that seals fitting was evident. Based on the evidence provided I believe this is the likely cause for the gas leak (photo 6).

16/1/14- 9.00am Inspected "Bushys" where a person said that they had purchased the ring burner. Similar burners were found but valve assembly on ring burner in question suggested that it had not been purchased at that store within 3 years as valve handle was outdated (photo7). All ring burners inspected came with clear instructions for outdoor use and to use an approved hose and regulator assembly. Also provided safety concerns for not following operating instructions.

16/1/14- 10.30am Inspected BCF Virginia where it was believed the cylinder had been filled the day before. SI Lloyd reviewed gas decanting procedure from BCF. It was identified that no gas leak testing is been undertaken once gas cylinders have been filled. The gas cylinder in question was not leak tested once filled.

#### Action/Recommendations

The evidence provided for the second cylinder being unrestrained leads to the belief the first cylinder which was filled by BCF may also had been transported in an unrestrained manner, this may have contributed to the cylinder being knocked slightly making it difficult to turn on. Although the gas cylinder was not tested for leaks at the time of being filled, it was not stated that there was a gas smell before it was turned on. The area the cylinder was stored in would suggest that if there was a significant leak there would of been a high possibility of gas being smelt. The evidence provided suggests that the leak is likely to have been caused from the missing sealing dome on the POL fitting attaching the cylinder.

The indoor use of the single ring burner that is intended for outdoor use also may have contributed to the fire. The single ring burner was not being used in an outdoor area and as such gas may have accumulated in the enclosed area. The location of the gas cylinder in relation the ring burner may also of been a contributing factor as it is recommended that the length of hose be 1000mm and this may reduce the likelihood of a fire in the event of a gas leak. The appliance was not being operated in its intended use.

#### Conclusions

#### Attachments



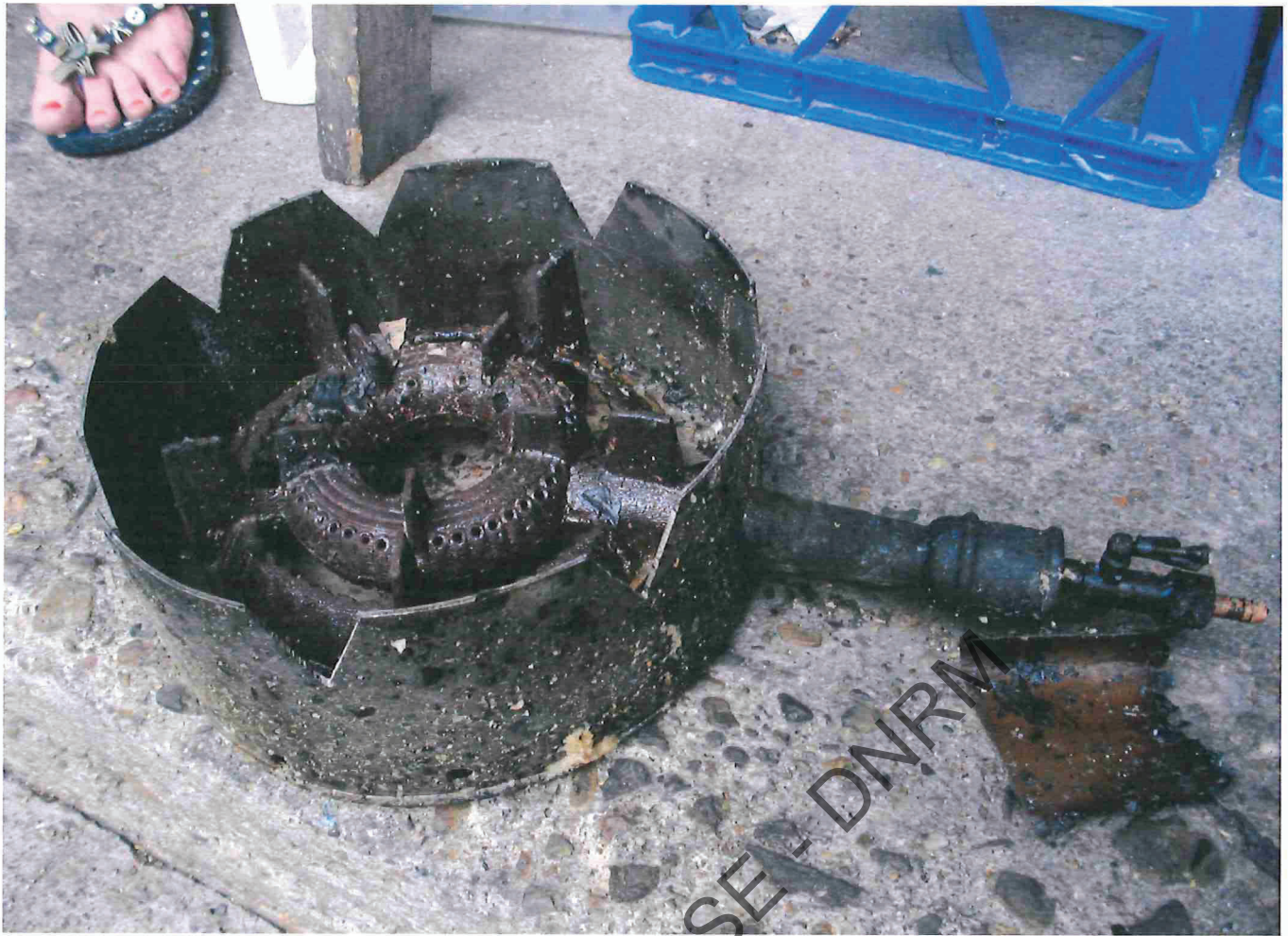
Photo 1.JPG Photo 2.JPG Photo 3 (2).JPG Photo 4.JPG Photo 5.JPG Photo 6.JPG photo 7.JPG

**Comments**

(Inspectors, Regional Inspectors,  
Chief Inspectors)

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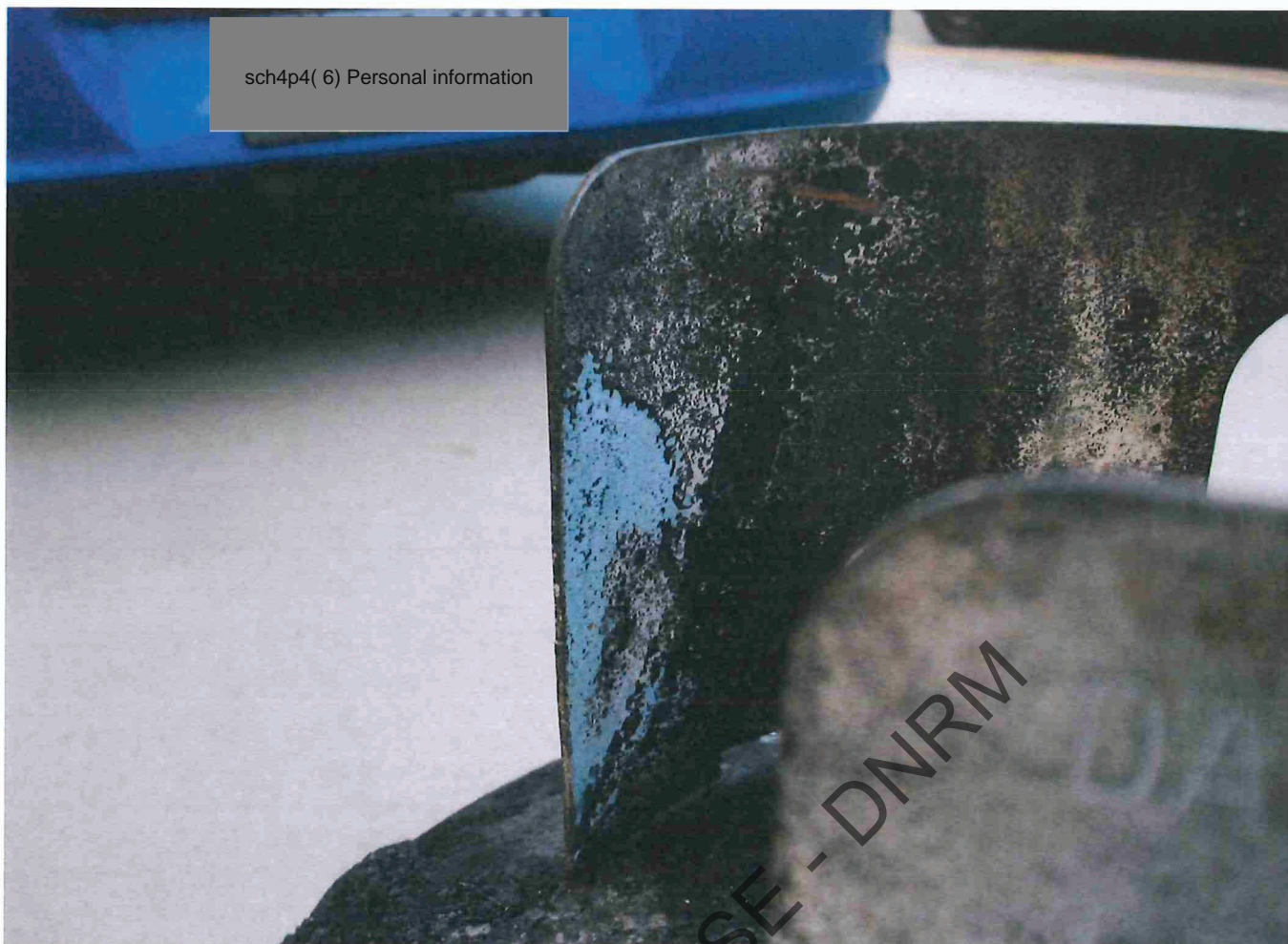






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sch4p4( 6) Personal information









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# COMPANION

CAST IRON SINGLE RING BURNER - 7,500 BTU

## SAFETY INSTRUCTIONS

### OUTDOOR USE ONLY:

This appliance shall only be used with an approved gas hose & 7,500 BTU regulator connected to a gas cylinder certified to AS2100.

### ONLY USE IN WELL VENTILATED AREAS.

### CARBON MONOXIDE HAZARD:

This appliance can produce carbon monoxide which has no odour. Using in an enclosed space (for example caravan, tent, car and mobile home) may cause death.



## CAUTION

- To be installed only by an authorised person.
- The instructions package with this appliance contains important information about installation and use.
- Not for use in marine craft, caravans or mobile homes.

Part No. R8



**THIS PRODUCT MUST BE USED IN CONJUNCTION WITH AN AGA APPROVED GAS REGULATOR AND HOSE**

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