

**ENVIRONMENTAL PROTECTION  
REPORT - VAPOUR RECOVERY**

**APPENDIX 1**

Premise Peterborough Services Person Seen Ms S Wilson  
Address Haddon Peterborough PE7 3UQ

**OBSERVATIONS, ADVICE AND RECOMMENDATIONS:**

As a result of the inspection of your premises your attention is drawn to the following matters:

**a) INCIDENTS OF VAPOUR LEAKS & LOCKS  
AND ASSOCIATED LOG BOOK**

Inspected ☒ Y/N

Satisfactory ☒ Y/N

Notes:

No incidents

**d) TESTING CERTIFICATE FOR PRESSURE RELIEF  
VALVES (Annual)**

Inspected Y/N

Satisfactory Y/N

Notes:

E2 S VR inspection a test cert have  
expired 05/12/09.  
**VR INSPECTION 20/07/10**

**b) LOG BOOK DETAILING MAINTENANCE,  
EXAMINATION & TESTING, INVENTORY  
CHECKING, INSTALLATION & REPAIR WORK  
(SITE REGISTER)**

Inspected Y/N

Satisfactory Y/N

Notes:

VR inspection by Johnson  
controls 20/07/10  
VR inspection a test cert  
expired 05/12/09. (E2 S)

**e) STAFF COMPETENCE & TRAINING**

No of Staff

No Questioned

Inspected ☒ Y/N

Satisfactory ☒ Y/N

Notes:

**c) VAPOUR RECOVERY CONNECTIONS &  
SIGNS**

Inspected ☒ Y/N

Satisfactory ☒ Y/N

Notes:

Does the site have stage II vapour recovery? ☒ Y/N

Notes:

**f) SITE MANAGEMENT & OTHER COMMENTS**

Satisfactory Y/N

Notes: Have been checking VR  
test cert for months

Are procedures in place adequate in the event of any leaks  
or spillages? ☒ Y/N

Notes:

Inspector

Depler

Date

28 July 2010

This report only covers the areas inspected at the time of the inspection. It does not indicate compliance with any legislation.

Contract for the conduct of process permits: HDC & CCC

# PETROL FILLING STATION VAPOUR RECOVERY INSPECTION

Issued by Johnson Controls Inc.  
Unit 1, Kestral Road, Off Guinness Road, Trafford Park,  
Manchester M17 1SY

**STORAGE OF PETROLEUM SPIRIT AND MIXTURES**  
Petroleum (Regulations) Act 1928 and 1936  
Health and Safety at Work 1974

## Site Details

(Record All Site information)

Name of Licensee:

SHELL

Business Name:

PETERBOROUGH SERVICES

Business Address:

A1 (CM) OUNDLE ROAD

WADDON

PETERBOROUGH

Post Code:

PE73UQ

B.U. No:

661155

## Vapour Recovery Inspection

(Record All answers)

1	Pressure Vacuum Valve	Inspect vent-stack valves/pipework for signs of corrosion evidence of leaks or any damage	<input checked="" type="radio"/> A*	<input type="radio"/> B*	<input type="radio"/> C*	
2	Pipework Inspection	Inspect above and below ground pipework for signs of corrosion, evidence of leaks or any damage	<input type="radio"/> A*	<input checked="" type="radio"/> B*	<input type="radio"/> C*	
3	Tanker Fill Point	All fill point caps and padlocks (keys available) are both sound and secure	<input checked="" type="radio"/> A*	<input type="radio"/> B*	<input type="radio"/> C*	
4	Grade Labels	All statutory labels comply with regulations - off set fill point	<input checked="" type="radio"/> A*	<input type="radio"/> B*	<input type="radio"/> C*	
5	Grade Labels	All statutory labels comply with regulations - direct fill within tank chamber	N/A	<input type="radio"/> A*	<input type="radio"/> B*	<input type="radio"/> C*
6	Signage	All statutory labels comply with regulations, both in the chambers and above ground	<input type="radio"/> A*	<input checked="" type="radio"/> B*	<input type="radio"/> C*	
7	Manhole Chamber	Ensure the construction is sound, safe for site traffic, ductwork is foam filled and dry of water (inc. cover)	<input type="radio"/> A*	<input checked="" type="radio"/> B*	<input type="radio"/> C*	
8	Vapour Recovery Hose	If present (as tanker drivers may carry their own) ensure no damage has occurred to the end connectors N/A	<input type="radio"/> A*	<input type="radio"/> B*	<input type="radio"/> C*	
9	Vapour Recovery System	Ensure no damage has occurred since previous inspection or any leakage has been reported (check with site)	<input checked="" type="radio"/> A*	<input type="radio"/> B*	<input type="radio"/> C*	

\* Circle as appropriate

## Declaration

This certificate must be FULLY completed and signed by the Site Manager - any certificates not correctly completed will be returned.

I hereby certify that the vapour recovery installation at the above premises operated for storage, use and dispensing of petroleum spirit has been inspected with any defects or observations highlighted on the schedule(s) Number(s) attached. The Classification awarded relates to the worst defect(s) observed and was in my opinion found to be: ☒ 1 Schedule No.

\*A

SATISFACTORY as being fully compliant with HS(G)41, APEA/IP Guidance Notes

☒ B

SUITABLE FOR CONTINUED USE subject to defects being remedied, as recorded in the Schedule

\*C

UNSATISFACTORY defects found and recorded require immediate attention, as this does not comply with HS(G)41, APEA/IP Guidance Notes

\* Circle as appropriate

Signature of person carrying out inspection:

Full Name (BLOCK CAPITALS):

MARTIN ANES

Date:

200710

Signature of Site Operator:

Full Name (BLOCK CAPITALS):

MOORE

Date:

200710



## Vapour Recovery Inspection & Test certificate

Test Details					
Site Name	SHELL PETERBOROUGH				
Site Address	A1M J17, OUNDLE ROAD, HADDON, PETERBOROUGH				
Oil Company	SHELL	Inspected By	N DAVISON		
Date of Test	05/12/08	Certificate No	81205UKND.VRB	Test kit no	200263

Test Results			
	Pass/Fail/NA		Yes/No/NA
System Integrity	PASS	Type of Manifold (High/Low, Underground)	LOW
P&V Valve Pressure test	PASS	Clean Flame Arrestor	YES
P&V Valve Vacuum test	PASS	System Drain Down	NO
P&V Valve Leak test	PASS	Petrol Tank Numbers	1,2,3
Number of P&V Valves	1	Diesel Tank Numbers	4,5,6
New P&V Valves fitted (Y/N)	YES	Diesel Vents in manifold (Y/N)	NO
Caps, Seals & Signage	PASS	If applicable which tank	N/A
Test Notes			
Overall Test Result Pass/Fail		PASS	
Type of Test	FULL	Date of next test	05/12/09

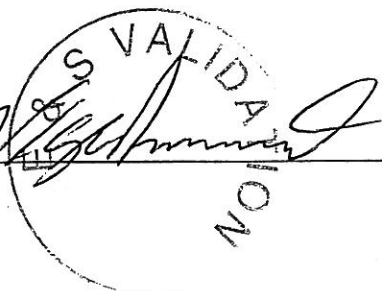
We declare that on the date shown above the vapour recovery system was examined and tested in accordance with E&S's test protocol and procedures for periodic examination and testing. Subject to any conditions recorded above, certify that the vapour recovery system meet all legislation and recommendations.

Company Seal:

Note: This certificate is invalid unless correctly stamped with the E&S validation Mark and may not be reproduced without the express approval of E&S.

Signed:

Dated: 05/12/2008





**GILBARCO**  
**VEEDER-ROOT**

**GVR - FEF**

**STAGE II VAPOUR RECOVERY  
COMPLIANCE CERTIFICATE**

**SHELL PETERBOROUGH MWSA**

**12/12/2009**

## GVR - FEF Stage II Vapour Recovery Test Certificate

Completed certificate to be kept on site with site records and a copy retained by the contractor.

### PART A. Work and Equipment Record

Date: 12/12/2009

Engineer Name: S.WALTON

Site Name & Operator: SHELL PETERBOROUGH MWSA

Address of site: A1M J17 OUNDLE ROAD  
HADDON  
PE7 3UQ

Dispenser/Pump Make & Model: Gilbarco SK700 II

Vapour Recovery system fitted: Burkert & Durr Mex

Vapour Recovery monitoring system fitted: Gilbarco VMC

Tick all boxes that apply:

- ☐ New Installation
- ☒ New Pumps with Stage II
- ☐ Stage II retrofit
- ☐ Automatic monitoring retrofit
- ☐ Work on Vapour Recovery System
- ☐ Work on Automatic Monitoring System
- ☒ Ordered by customer or other agency
- ☐ Annual periodic test
- ☐ 3 yearly periodic test
- ☐ Test after modification or repair
- ☒

Remarks:

VRII LED EXPLAINED AND UNDERSTOOD BY SITE MANAGER

## SHELL PETERBOROUGH MWSA

**GVR - FEF Stage II Vapour Recovery Test Certificate****PART B. VR Efficiency Test Record**

The manufacturer's documentation, including approval certificate, contains data required for efficiency tests.

Correction factor for air (in manufacturer's documentation): 1.04

Maximum certified fuel flow rate: 42 L/min Outdoor temperature: 8°C

Tolerance range for V/P ratio: 95% to 105%

Pump side	Pump Number	Grade Name		V/P ratio at air test flow rate			
				Before adjustment		After adjustment (if applicable)	
				[%]	[l/min]	[%]	[l/min]
1	2	G1	Unleaded	100	38		
		G2	V Power Unl	100	38		
		G3					
2	1	G1	Unleaded	100	38		
		G2	V Power Unl	100	38		
		G3					
1	4	G1	Unleaded	99	38		
		G2	V Power Unl	99	38		
		G3					
2	3	G1	Unleaded	99	38		
		G2	V Power Unl	99	38		
		G3					
1	6	G1	Unleaded	100	38		
		G2	V Power Unl	99	38		
		G3					
2	5	G1	Unleaded	100	38		
		G2	V Power Unl	99	38		
		G3					

If more than 4 pumps see additional page 2A.

**Note:** If the Vapour Recovery monitoring device is equipped with a regulation or correction function then this has to be disabled during the measurements.

If an Automatic Monitoring system is fitted, is this operating correctly - indication for normal operation, alarm condition and stop condition. **YES**

Date of this inspection: 12/12/2009

Date next inspection due: 12/12/2012

Certifying Engineer: S.WALTON



## SHELL PETERBOROUGH MWSA

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Pump side	Pump Number	Grade Name		V/P ratio at air test flow rate			
				Before adjustment		After adjustment (if applicable)	
				[%]	[l/min]	[%]	[l/min]
1	8	G1	Unleaded	100	38		
		G2	V Power Unl	100	38		
		G3					
2	7	G1	Unleaded	100	38		
		G2	V Power Unl	100	38		
		G3					
1	10	G1	Unleaded	101	38		
		G2	V Power Unl	101	38		
		G3					
2	9	G1	Unleaded	101	38		
		G2	V Power Unl	101	38		
		G3					
1	12	G1	Unleaded	100	38		
		G2	V Power Unl	100	38		
		G3					
2	11	G1	Unleaded	100	38		
		G2	V Power Unl	100	38		
		G3					

If more than 4 pumps see additional page 2A.

**Note:** If the Vapour Recovery monitoring device is equipped with a regulation or correction function then this has to be disabled during the measurements.

If an Automatic Monitoring system is fitted, is this operating correctly - indication for normal operation, alarm condition and stop condition. **YES**

Date of this inspection: 12/12/2009

Date next inspection due: 12/12/2012

Certifying Engineer: S.WALTON

## SHELL PETERBOROUGH MWSA

**GVR - FEF Stage II Vapour Recovery Test Certificate****PART B. VR Efficiency Test Record**

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Correction factor for air (in manufacturer's documentation): 1.04

Maximum certified fuel flow rate: 42 L/min Outdoor temperature: 8°C

Tolerance range for V/P ratio: 95% to 105%

Pump side	Pump Number	Grade Name		V/P ratio at air test flow rate			
				Before adjustment		After adjustment (if applicable)	
				[%]	[l/min]	[%]	[l/min]
1	14	G1	Unleaded	101	38		
		G2	V Power Unl	101	38		
		G3					
2	13	G1	Unleaded	101	38		
		G2	V Power Unl	101	38		
		G3					
1	16	G1	Unleaded	100	38		
		G2	V Power Unl	100	38		
		G3					
2	15	G1	Unleaded	100	38		
		G2	V Power Unl	100	38		
		G3					
1		G1					
		G2					
		G3					
2		G1					
		G2					
		G3					

If more than 4 pumps see additional page 2A.

**Note:** If the Vapour Recovery monitoring device is equipped with a regulation or correction function then this has to be disabled during the measurements.

If an Automatic Monitoring system is fitted, is this operating correctly - indication for normal operation, alarm condition and stop condition. **YES**

Date of this inspection: 12/12/2009

Date next inspection due: 12/12/2012

Certifying Engineer: S.WALTON



**PART C. Initial Installation Inspection and Test**

Leak test executed and passed on Vapour Recovery pipes & components:

☒ Inside of dispenser (retrofit kits)

☐ Between dispenser and tank

Test steps		Details - Pass/Fail or Values			
		P1/2	P3/4	P5/6	P7/8
1	Conforms with installation instructions.	PASS	PASS	PASS	PASS
2	Visual inspection of Vapour Recovery system for security of fittings.	PASS	PASS	PASS	PASS
3	Visual inspection of Vapour Recovery monitoring device - if fitted.	PASS	PASS	PASS	PASS
4	Leak test to internal dispenser pipes and components. (Retrofit kits)	N/A	N/A	N/A	N/A
5	Leak test to pipes connecting dispenser to tank or other external systems.	N/A	N/A	N/A	N/A
6	Running of Vapour Recovery pump - no loose or vibrating pipes.	PASS	PASS	PASS	PASS
7	Confirm operation of Vapour Recovery monitoring device and alarm test. <i>Note 1</i>	PASS	PASS	PASS	PASS
8	Dry measurement at each petrol nozzle.	PASS	PASS	PASS	PASS

Test steps		Details - Pass/Fail or Values			
		P9/10	P11/12	P13/14	P15/16
1	Conforms with installation instructions.	PASS	PASS	PASS	PASS
2	Visual inspection of Vapour Recovery system for security of fittings.	PASS	PASS	PASS	PASS
3	Visual inspection of Vapour Recovery monitoring device - if fitted.	PASS	PASS	PASS	PASS
4	Leak test to internal dispenser pipes and components. (Retrofit kits)	N/A	N/A	N/A	N/A
5	Leak test to pipes connecting dispenser to tank or other external systems.	N/A	N/A	N/A	N/A
6	Running of Vapour Recovery pump - no loose or vibrating pipes.	PASS	PASS	PASS	PASS
7	Confirm operation of Vapour Recovery monitoring device and alarm test. <i>Note 1</i>	PASS	PASS	PASS	PASS
8	Dry measurement at each petrol nozzle.	PASS	PASS	PASS	PASS

**Note 1** The alarm signal and the switch off function has to be tested for every nozzle if the switch off function is nozzle specific.

Date of inspection: 12/12/2009

Certifying Engineer: S.WALTON



## Man Chamber Test for Stage II Vapour Recovery

### Inspection of Man Chamber

Date of Inspection      12/12/2009

Site Address      SHELL PETERBOROUGH MWSA  
A1(M) J17 OUNDLE ROAD  
HADDON ROAD  
PE7 3UQ

Confirm Tank Tested      ONE

Vapour Recovery return line man chamber Vapour check (Prior to retrofit)      PASS

Vapour Recovery return line man chamber Vapour check (When operating)      PASS

Inspecting Engineer      S.WALTON