Application for a Permit for the Unloading of Petrol into Storage at a Petrol Station

Local Authority Pollution Prevention and Control
Pollution Prevention and Control Act, 1999
Environmental Permitting (England and Wales) Regulations 2010 (as amended)

When to use this form:

Use this form if you are applying for a permit to Huntingdonshire District Council to operate a service station where petrol is unloaded with a throughput of petrol over 500,000 litres (500m^3).
For existing petrol stations with a throughput greater than 3500m3 in any 12 month period, for new petrol stations with a throughput likely to exceed 500m3 in any 12 month period or undergoes major refurbishment a "Stage II" petrol vapour recovery system is required for recovery of vapours during filling up of vehicle petrol tanks.

References to the term "activity" are references to the unloading into storage of petrol and dispensing of petrol into vehicle tanks. The operator of the activity under the terms of the Regulations is most likely to be the person with management responsibility for the procedures on site. This does not, however, absolve other people of their responsibilities (for instance of drivers in the case of following unloading procedures or of the equipment owners in the case of installation of equipment) since action can be taken directly under regulation 32(6) of the Regulations.

Which parts of the form to fill in:

You should fill in as much of this form as possible. The appropriate fee must be enclosed with the application to enable it to be processed further. When complete return to:
Environmental Protection Officer, Environmental Health Department, Huntingdonshire District Council, Pathfinder House, St. Mary's Street, Huntingdon PE29 3TN or e-mail: envhealth@huntingdonshire.gov.uk
If you require any help or advice on how to set out the information we need please contact us at the above address or telephone 01480 388363.

It is recommended that you read the Defra General Guidance manual and the Secretary of State's Guidance for Unloading of Petrol into Storage at Petrol Stations. Both documents can be found at the following website:
http://www.defra.gov.uk/industrial-emissions/las-regulations/guidance/

The EP Regulations can be obtained from The Office of Public Sector Information, or viewed on their website at: http://www.legislation.gov.uk/.

Other documents you may need to submit:

There are number of other documents you may need to send us with your application. Each time a request for a document is made in the application form you will need to record a document reference number for the document or documents that you are submitting in the space provided on the form for this purpose. Please also mark the document(s) clearly with this reference number.

Using continuation sheets:

In the case of the questions on the application form itself, please use a continuation sheet if you need extra space; but please indicate clearly on the form that you have done so by stating a document reference number for that continuation sheet. Please also mark the continuation sheet itself clearly with the information referred to above.

Copies:

No copies of the application form are required and Huntingdonshire District Council has a preference for applications to be submitted electronically where possible.

A The basics

A1.1 Name of the installation: **St Ives Connect**

A1.2 Please give the address of the site of the installation:
Needingworth / Somersham Road

St Ives

Huntingdon

Postcode **PE27 5WN** Telephone

A2 Details of any existing environmental permit or consent:
(for waste operations, including planing permission for the site, plus established certificates, a certificate of lawful existing use, or evidence why the General Permitted Development Order applies.)
E.C. Permit Ref: P23/98 and Variation Ref: PPC 19/13

A3 Operator details
(The 'operator' = the person who it is proposed will have overall control over the installation in accordance with the permit (if granted).)
Name: BP OIL UK Limited

Trading name, if different:

Registered office address: **Chertsey Road**

Sunbury on Thames,

Middlesex Post code: **TW16 7BP**

Principal office address, if different: BP OIL UK Limited

Licensing Department

3rd Floor Witan Gate House,

500-600 Witan Gate, Milton Keynes

Post code: **MK9 1ES**

Company registration number: **446915**

A4 Any holding company?

Is the operator a subsidiary of a holding company within the meaning of section 1159 of the Companies Act 2006? If 'yes' please fill in details of the ultimate holding company.

Yes [ ] No [X]

Name:

Trading name, if different:

Registered office address:

Post code:

Principal office address, if different:

Post code:

Company registration number:

A5.1 Who can we contact about your application?

It will help to have someone who we can contact with any questions about your application. The person you name should have the authority to act on behalf of the operator – this can be an agent or consultant.

Name: **Jan Martin-Read**

Position: **Licensing Co-ordinator**

Address: **BP OIL UK Limited**

Licensing Department, 3rd Floor Witan Gate House

500-600 Witan Gate, Milton Keynes

Post code **MK9 1ES** Telephone number: **01908 853380**

E-mail address: **Jan.Martin-Read@UK.BP.com**

A5.2 Once issued who can we contact regarding the installation assuming the permit is granted?

Name: **As Above**

Position:

Address:

Post code Telephone number:

E-mail address:

B About the Installation

B1 What activities are or will be carried on at the installation? Please include "directly associated activities" – this term is explained in Annex III in Part B of the general guidance manual.

Stage 1B VR

Stage 2 VR

B2 Why is the application being made?

	The installation is new
X	The installation has undergone a major refurbishment
	It is an existing installation that a substantial change is proposed
	It is an existing installation that is required to have a "Stage II" vapour recovery system in place according to SI2006, No. 2311

B3 Site maps – Please provide:

A location map with a red line round the boundary of the installation

Document Reference: **Site Location Plan Attached**

A site plan or plans showing where all the relevant activities are on site:

a) The location of the fill points
b) The buildings/structures
c) The location of the petrol dispensers
d) The height and location of the vent pipes
e) The number, capacity and location of all storage tanks

Document Reference: **A2 PVR II – Petroleum Layout – 14456-40**

A2 PVR II – Drainage Layout – 14456-42

B4 Technical documentation – please provide:

A copy of "type approval" certificate where a site operates Stage II activities

Document Reference: **A6 PVR II Certs**

C The details

C1 Which of the following vapour monitoring systems will be in use?

X	Active system with automatic monitoring
	Active system without automatic monitoring

C2 Do you have environmental management procedures and policy? If yes, please supply a copy.

X	Yes
	No

Document Reference: A1 PVR II System Info
A3 PVR II Maintenance Schedule
A4 PVR II Co Info

C3 Are there any sites of special scientific interest (SSSIs) or European protected sites nearer than 500m to the proposed installation?

	Yes
X	No

If 'yes', is the installation likely to have a significant effect on the special scientific interest or European protected sites?

	Yes
	No

If 'yes;, please write on a separate sheet or enclose a relevant document explaining what the implications are for the purposes of the Conservation (Natural Habitats etc.) Regulations 1994 (see appendix 2 of Annex XVII of the general guidance manual)
Document Reference:

C4 Will emissions from the activity potentially have significant environmental effects (including nuisance)?

	Yes
X	No

If 'yes', please list the potential significant local environmental effects (including nuisance) of the foreseeable emissions on a separate document.
Document Reference:

If 'yes', please enclose a copy of any environmental impact assessment which has been carried out for the installation under planning legislation or for any other purpose.
Document Reference:

C5 Is the proposed installation sited under living quarters?

	Yes
X	No

D Anything else?

Please tell us anything else you would like us to take account of:
Document Reference:
- Attachment 5 – Operating Records
- Attachment 6a – Pump Certification
- Attachment 7 – Test and Procedure
- Attachment 8 – Compliance Effort Assessment
- Attachment 9 – Draft LAPPC Signing Authority

E Application fee

You must enclose the relevant fee with your application
If your application is successful you will also have to pay an annual subsistence charge, so please say who want invoices to be sent to.

Name: **Jan Martin-Read**

Position: **Licensing Co-ordinator**

Address: **BP OIL UK Limited**
Licensing Department
3rd Floor Witan Gate House
500-600 Witan Gate
Milton Keynes

Post code: **MK9 1ES**

Telephone number: **01908 853380**

E-mail address: **Jan.Martin-Read@UK.BP.com**

F Protection of information

F1 Any confidential or national security information in your application?
If there is any information in your application you think should be kept off the public register for confidentiality or national security reasons, please say what and why. General guidance manual chapter 8 advises on what may be excluded. (Do not include any national security information in your application. Send it, plus the omitted information, the Secretary of State or Welsh Ministers who will decide what, if anything can be made public).
Document Reference: None

F2 Please note: Data protection
The information you give will be used by the Council to process your application. It will be placed on the relevant public register and used to monitor compliance with permit conditions. W e may also use and or disclose any of the information you give us in order to:
Consult with the public, public bodies and other organisations;
Carry out statistical analysis, research and development on environmental issues;
Provide public register information to enquirers;
Make sure you keep to the conditions of your permit and deal with any matters relating your permit;
Investigate possible breaches of environmental law and take any resulting action;

Prevent breaches of environmental law;
Offer you documents or services relating to environmental matter;
Respond to requests for information under the Freedom of Information Act 2000 and the Environmental Information Regulations 2004; (if the Data Protection Act allows)
Assess customer service satisfaction and improve our service.

We may pass on the information to agents/representatives who we ask to do any of these things on our behalf.

F3 Please note: It is an offence to provide false information

It is an offence under regulation 38 of the EP Regulations, for the purpose of obtaining a permit (for yourself or anyone else) to:

Make a false statement which you know to be false or misleading in a material particular;
Recklessly make a statement which is false or misleading in a material particular;
Intentionally to make a false entry in any record required to be kept under any environmental permit condition;
With intent to deceive, to forge or use a document issued or required for any purpose under any environmental permit condition.

If you make a false statement:

We may prosecute you; and
If you are convicted, you are liable to a fine or imprisonment (or both).

G Declarations A and B for signing, please

These declarations should be signed by the person listed in answer to question A3. Where more than one person in identified as the operator, all parties should sign. Where a company or other body corporate is the operator, an authorised person should sign and provide evidence of authority from the board

Declaration A: I/We certify

EITHER As evidence of my/our competence to operate this installation in accordance with the EP Regulations, no offences have been committed in the previous five years relating to the environment or environmental regulations.

OR The following offences have been committed in the previous five years which may be relevant to my/our competence to operating this installation with the regulators:

Signature: Name: **Jan Martin-Read**

Position: **Licensing Co-ordinator** Date: **March 2014**

Declaration B

I/We certify that the information in this application is correct. I/We apply for a permit in respect of the particulars described in this application (including supporting documentation) I/We have supplied.

(Please note that each individual operator must sign the declaration themselves, even if an agent is acting on their behalf.)

Signature: Name: **Jan Martin-Read**

Position: **Licensing Co-ordinator** Date: **March 2014**

Signature:		Name:	
Position:		Date:	

Prevent breaches of environmental law;
Offer you documents or services relating to environmental matter;
Respond to requests for information under the Freedom of Information Act 2000 and the Environmental Information Regulations 2004; (if the Data Protection Act allows)
Assess customer service satisfaction and improve our service.

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Declaration A: I/We certify

EITHER As evidence of my/our competence to operate this installation in accordance with the EP Regulations, no offences have been committed in the previous five years relating to the environment or environmental regulations.

OR N/A ~~The following offences have been committed in the previous five years which may be relevant to my/our competence to operating this installation with the regulators:~~

Signature: ..... Name: **Jan Martin-Read**

Position: **Licensing Co-ordinator** Date: 11th **March 2014**

Declaration B

I/We certify that the information in this application is correct. I/We apply for a permit in respect of the particulars described in this application (including supporting documentation) I/We have supplied.

(Please note that each individual operator must sign the declaration themselves, even if an agent is acting on their behalf.)

Signature: ..... Name: **Jan Martin-Read**

Position: **Licensing Co-ordinator** Date: 11th **March 2014**

Senior Licensing Co-ordinator

Stuart Wright

BP OIL UK LIMITED
Witan Gate House
500/600 Witan Gate
Central Milton Keynes
MK9 1ES

Switchboard: 01908 853000

September 2009

To the relevant Statutory Authority
And to whom it may concern

Direct Dial: 01908 853835
stuart.wright@uk.bp.com
www.bp.com

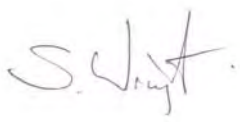
Ref: **BP LAPPC Part B Permit Application – Attachment 9**

Dear Sir/Madam

BP OIL UK LIMITED ("BP") – LAPPC PART B APPLICATION FORMS - SIGNING AUTHORITY

BP is a substantial company with well established management structures and processes operating over three hundred filling stations and having hundreds of employees in its own right and thousands by way of subsidiaries working at the filling stations and elsewhere. BP's management processes are such that on being appointed to a position, a BP employee will have full authority to sign contracts and licence applications on behalf of BP in the area of his or her responsibilities. Thus as "Licensing Co-ordinator" Jan Martin-Read has BP's authority to sign Environmental Permitting Part B application forms.

Yours faithfully



Stuart Wright
Senior Licensing Co-ordinator

BP Petrol Vapour Recovery Stage II (PVR II)
System Information

Design Policy

BP has been fitting Petrol Vapour Recovery Stage II on all new sites built in the UK since January 2000.

BP has sites equipped with both Wayne and Tokheim Multiproduct pumps all built from new to incorporate Stage 2 Vapour Recovery

Fault Monitoring

The correct functioning of the Stage 2 VR system in the dispenser is automatically monitored by the pump computer. Repeated fault codes generated by the vacuum pump or the proportional valve control systems of the dispenser are converted by the dispenser computer to a visual signal in the form of a continuous red LED located on the dispenser dial face.
Fault LED's visible during routine regular checks of the dispensers by site staff will be recorded in the fault log and a maintenance call made.

Fig1, Wayne dial face with Fault LED
Note: On Tokheim Dial Face LED is separate at the left hand end of the ltres display

An illuminated LED can only be cancelled by an engineer intervention.

Functioning of the LED and the monitoring function is confirmed when a green (red on Tokheim) LED in the same location as shown above will blink once on completion of every petrol sale.

The BP Stage 2 Vapour Recovery System

BP, in the UK, uses dispensers supplied by Dresser Wayne or Tokheim built in accordance with EN 13617. These dispensers are factory fitted with the required vapour recovery equipment.

The Stage 2 vapour recovery solutions used in the dispensers from these suppliers have been tested for compliance against vapour recovery test method VDI 4205 by TUV in Germany. These require average 85% efficiency of recovery over a specified range of vehicles with the vapour pumps controlled to a 95% - 105% vapour: liquid ratio.

Annual simulated flow tests by approved maintenance contractors ensure that the system remains in the 85% - 115% Vapour : Liquid ratio required in DEFRA PG1-14(06) and are adjusted as appropriate.

Dispensers are fitted with a fault indication system which is visible in the dial face area. Should there be a fault with the power to the vapour pump or with the valve control system the fault LED is illuminated and remains illuminated until the problem is rectified by a maintenance engineer. Site staff frequently check dispensers for proper operation of the VR system and maintain a fault log.
Permit compliance, Maintenance services and the annual service check are managed and tracked centrally from BP's UK Retail Head Office at Witon Gate House, Milton Keynes.

All equipment for use in hazardous atmospheres is tested, certified and marked in accordance with the requirements set out under the ATEX 100 (Equipment) directive.

Equipment Components

BP's petrol dispensers are fitted with:

- an Elaflex ZVA vapour recovery nozzle, slimline 21/8 coaxial hose, Swivel break coupling and splitter adaptor on each of the petrol supply hoses.
- Two piston vapour pumps, one for each side of the dispenser.
In Wayne Equipment - Gardner Denver Thomas type 8014-5.0/6.0
In Tokheim Equipment – Duerr Technik MEX 0831-11
- Two proportional control valves , one for each side of the dispenser which are electronically controlled to moderate the return flow in line with the fuel delivery flow rate.
In Wayne equipment - Burkert 6022 / 2832
In Tokheim equipment - ASCO JV13285902-24v type EMXX
- A Risbridger 1" double poppet shear valve.

Vapour is returned to the most appropriate underground petrol tank through a manifolded 2" vapour return pipe.

Wayne Approval
certificate of approval issued by TUV Suddeutchland in Oct, 2002, updated Feb 2007.

Certificate Number TUV 85-2.127.1
Max delivery rate of 38 litres per minute
Max back pressure 150 mbar
Air test correction factor 1.09

Tokheim Approval
certificate of approval issued by TUV Suddeutchland in Aug 2007.

Certificate Number TUV 85 A/L 2.1:
Max delivery rate of 40 litres per minute
Max back pressure 50 mbar
Air test correction factor 1.10

DRESSER

Wayne Pignone
Dresser Wayne Pignone,
Butlerfield Industrial Estate,
Bonnyrigg,
Midlothian.
Scotland.
EH19 3JQ
Tel: +44(0)1875 402140

TOKHEIM

Tokheim,
Unit 1 Baker Road
West Pitkerro Industrial Estate
Dundee
Scotland
DD5 3RT
Tel: +44 (0) 1382 483500

If you have any questions with regard to the Design and Operation of BP's Vapour recovery systems please email:

Phil Lambeth, European Design Manager,
BP Global Fuels Technology / Global Alliance
phil.lambeth@bp.com

Issued by: BP – Global Alliance
July 2009,**v 0**
BP PVR II System Info

GlobalAlliance

Drainage Schedule - Foul Water				
Chamber	Cover Level	Invert Level	Depth	Comments
FW1	9.87	8.41	1.46	Existing Chamber
FW2	9.94	9.07	0.87	Existing Chamber
FW3	9.93	TBC	TBC	Existing Wash Separator Water Level @ 9.15 Base @ 7.93
FW4	9.93	9.16	0.77	Existing Chamber
New FW5	9.73	8.61	1.11	New 1200mmØ Spun Concrete Chamber with New Heavy Duty Cover and Frame
FW6	9.75	8.86	0.89	Existing chamber to be retained.
New FW7	9.70	8.48	1.21	New 1200mmØ Spun Concrete Chamber with New Heavy Duty Cover and Frame
New FW8	9.70	8.61	1.08	New 1200mmØ Spun Concrete Chamber with New Heavy Duty Cover and Frame
New FW9	9.75	8.87	0.87	New 600x600mm Brickwork Chamber with New Heavy Duty Cover and Frame
New FW10	9.70	8.88	0.82	New 600x600mm Brickwork Chamber with New Heavy Duty Cover and Frame

Drainage Schedule - Surface Water				
Chamber	Cover Level	Invert Level	Depth	Comments
SW1	9.65	8.79	0.92	Existing Oil Separator Water Level @ 8.68 Base @ 7.62
SW2	9.76	TBC	TBC	Existing Chamber
New SW3	9.82	9.03	0.79	New 600x600mm Brickwork Chamber with New Heavy Duty Cover and Frame
New SW4	9.75	9.07	0.68	New 600x600mm Brickwork Chamber with New Heavy Duty Cover and Frame
New SW5	9.74	9.23	0.51	New 600x600mm Brickwork Chamber with New Heavy Duty Cover and Frame
New SW6	9.70	TBC	TBC	Rebuild existing S.W. Chamber to suit new outfall M.C. to check existing Chamber Depth on site and report to P.M.
New SW7	9.84	TBC	TBC	Retain existing S.W. Chamber M.C. to check existing Chamber Depth on site and report to P.M.

Drainage Schedule - Contaminated (Brown)Water				
Chamber	Cover Level	Invert Level	Depth	Comments
New BW1	9.66	8.525	1.135	New 1500mmØ spun Concrete Chamber with New Penstock Valve with New Heavy Duty Cover and Frame
PIMH1	9.70	Inlet Outlet	8.60 8.55	New Class 1, 10,300L Petrol Intercepter with coalescing filter and remotely monitored alarm within shop. with New Heavy Duty Cover and Frame
New BW2	9.72	8.62	1.10	New 1200mmØ spun Concrete Chamber with New Heavy Duty Cover and Frame
New BW3	9.72	8.35	0.89	New 600x600mm Brickwork Chamber with New Heavy Duty Cover and Frame
New BW4	9.67	8.90	0.76	New 600x600mm Brickwork Chamber with New Heavy Duty Cover and Frame

Drainage Legend

- Denotes Existing Surface Water Drainage System
- Denotes New Surface Water Drainage
- Denotes New shallow Surface Water Drainage to be backfilled in concrete to underside of surfacing
- Denotes Existing Foul Water Drainage System
- Denotes New Foul Water Drainage
- Denotes Existing Brown Water Drainage (To pass through P.I.)
- Denotes New Brown Water Drainage (To pass through P.I.)

Drainage Specification
All drainage works to be undertaken and installed in accordance with BP Standard Specification

Shallow Drainage
All New pipework with less than 500mm of cover, to be fully encased in concrete to underside of new Concrete Forecourt.

New Brickwork Skinned Chamber
To be installed in accordance with BP Standard drawing
bp std-FOR-004-003 - Manhole - brickwork

Foul Water Drainage
New drainage to be laid at 1:40 /1:60 / 1:80 as indicated

Surface Water Drainage
New drainage to be laid at 1:60 / 1:80

A1
ORIGINAL PLOT SIZE

WORKING DRAWING

NR	DATE	DESCRIPTION

REVISIONS

BP OIL UK Ltd
Asset Development

BP OIL UK Ltd
Asset Development
WITAN GATE HOUSE
MILTON KEYNES
BUCKS MK9 1ES
Tel No 01908 853000
Fax No 01908 853999

St. Ives SF Connect
Needingworth / Somersham Road.
St. Ives, Huntingdon.
PE27 5WN.

Drainage Layout

DRAWN: JDL
DATE: Sept.'13
DESIGN CHKED:
DATE:
APPROVED:
DATE:
ATRACK CHKED:
DATE:
SCALE: 1:100
scaled dimensions should not be taken from this drawing
(APPROPRIATE FOR A1 ONLY)

DRAWING No	REV
BP/STD 14456-42	

CAD REF: JENNINGS DESIGN LIMITED

NORTH

New Vac

Repos. Existing Air/Water Machine

New Air/Water and Vac Bay

GRAVEL

New Customer Parking

Existing kerbline / drainage channel retained

1100mm high highway fence with posts set at 1800mm c/s

Compound

Control

Shop

RWP

RE

Compound

External Plant

New Dropped Kerb Line

RWP

Bolt down hooped barrier

Ex. MPP 8 Pump on New Pump Island

8 7 6 5 4 3 2 1

Diesel U-Diesel U-Unleaded Unleaded

Stage II VR

MW

T1 T2 T3 T4

New Vent Stack (Easyriser)

VP 4 3 2 1

New Vent Lines Stage II VR

New Kerbline

New Offset Fills

VR 4 3 2 1

New Below Ground Offset Fills

New Trief Island

DCD

New Island

New HGV Diesel Mono

10

New HGV Air/Water

9

New F.L.

New Trief kerbline

LEGAL BOUNDARY

New 7m M.I.D. sign
New base, existing
power supply re-used.

Sign

GRASS

New Petrol Interceptor

P.I. Vent

W1

HEDGE

Sign

Existing Roll Over Car Wash

Existing Jet Wash Bay

Volume Percentage Schedule

Grade	Total Capacities	Volume Percentage
Diesel	80,000	50.0 %
Unleaded	50,000	30.0 %
U-Unleaded	15,000	10.0 %
U-Diesel	15,000	10.0 %
Total	160,000	100.0 %

Traffic Flow

Unleaded U-Unl. Diesel U-Diesel

New Bolt down hooped barrier

Not to Scale

Pump Cradle / Fuel Grades

Grades indicated as avaible to the Customer

Traffic Flow

Unleaded U-Unl. Diesel U-Diesel VR

New Bolt down hooped barrier

Not to Scale

Pipefitter to check and ensure correct installation oreintation of fuel lines to offer BP Standard Fuel Grade arrangement to Customer as indicated
(Any queries, please contact P.M./Architect)

Pump Cradle / Fuel Lines

Grades indicated - to be installed by Pipefitter

TANK TO PUMP SCHEDULE - SUCTION SYSTEM

TANK NO	CAPACITY(l) NOMINAL	CAPACITY(l) WORKING 95% OF NOMINAL	GRADE	PUMP DISPENSERS					
			PROPOSED	1 2	3 4	5 6	7 8	9	10
1	15,000	14,250	U-DIESEL	○	○	○	○		
2	15,000	14,250	U-UNLEADED	○	○	○	○		
3	50,000	47,500	UNLEADED	○	○	○	○		
4	80,000	76,000	DIESEL	○	○	○	○	○	○

New Stage II Vapour recovery to drain back to Tank No 3

LEGEND

- Proposed Diesel Suction line
- Proposed Ultimate Diesel Suction line
- Proposed Unleaded Suction line
- Proposed Ultimate Unleaded Suction line
- Proposed Vent Lines
- Proposed St1B / StII Vapour Recovery lines
- Proposed Offset Fill Lines
- Proposed P.I. Vent / Oil Separator vent

General Notes
All installations to be in accordance with BP Standard Drawings

Existing Tank Farm
Existing underground storage tanks to be decommissioned with all fuel line installation to be disconnected. Existing tanks to be abandonned in situ and concrete slurry filled.

New Tank Installation
Allow for all works to install 2No 80,000 Litre new double skinned underground storage tanks,

Tanks to be concrete encased to top of tank lid level to suit Petroleum Officers requirements

comprising of :-
- 2No 80,000 Litres Tank (1 Split 50,000 / 15,000 / 15,000 Litres)

Supply and fit 4 No New Fibrelite GRP Tank Chambers with new round covers and frames to Tank Chambers

All labels to tanks and offset fills to be in litres and to show Safe working capacities at 95% of actual capacity Tank No and type of fuel.

All other signs to HS (G) 41 and to BP specification to be fitted to tanks, vents, offset fills. locks to be fitted to all fill positions.

Risbrigger over fill prevention valves to each tank fill point.

Vents
Existing vent stack and all existing vent lines to be broken out and removed from site.

New Vent Stack to be installed in accordance with BP Standard drawing numbered:-
- UK-FUE-307- Vent Stack

New vent lines to comprise of 63mm Ø single walled non corrosive, conductive pipework.

Supply and install new Easyriser Vent Stack as indicated.

Supply and Install new vent lines to 4No tank compartments.

Offset Fills
Existing Offset Fills and fill lines to be broken out and removed from site.

Install new Below Ground Offset Fill installation to be set within 3No Fibrelite Square Chambers in accordance with BP Standard drawing numbered:-
- UK-FUE-305- Below Ground offset Fills

New Offset Fill lines to comprise of 125/110mm Ø twin walled non corrosive, conductive pipework, with monitoring of interstitial space between pipework.

Offset Fills to be installed in accordance with BP Standard details and procedures.

Gauging
Existing gauge ductwork system to be removed.

Allow for all works to install new gauging ductwork as indicated.

Install new Orange County monitoring system within Sales Building
- Tank Interstitial space Monitoring
- Offset Fill Lines Interstitial space Monitoring
- Fuel Line - Interstitial space Monitoring

Existing Veeder Root TLS300 to be upgraded to a TLS 350 R Guage Unit

Fuel Installation
Please Note
All cradles to have U bolt clamps suitable to receive double walled pipework

Pipefitter to check and ensure correct installation oreintation of fuel lines to offer BP Standard Fuel Grade arrangement to Customer as indicated
(Any queries, please contact P.M./Architect)

Spirit Forecourt
Existing vehicle forecourt pumps to be retained.

Install New petroleum Installation as indicated with new suction lines connected to new Cradles and Re-install 4No existing pumps to offer all grades to all spirit islands
New fuel lines to comprise of 75/63mm Ø Twin walled non corrosive, conductive pipework with monitoring of interstitial space between pipework.

HGV Forecourt
Supply and install New Fuel Installation to New HGV Pump Island with New Cradles and Pumps

Install New petroleum Installation as indicated with new suction lines connected to new HGV Pumps and Cradles.
New fuel lines to comprise of 75/63mm Ø Twin walled non corrosive, conductive pipework with monitoring of interstitial space between pipework.

Syphon Lines
No syphon lines as confirmed by BP.

Vapour Recovery
Stage 1B
Supply and Install new Vapour Recovery Line to be laid to fall to New Vapour Recovery Chamber with drain valve set within third Offset Set Fill Chamber.

Stage II
Install new Stage II V.R. Lines to each spirit island to drain back to Tank Chamber No 3 - Unleaded

DCD Unit
Existing DCD Internal equipment to be installed into New DCD Housing and Repositioned on terrace with 2No protective bollards.

Spirit Forecourt Pumps
Allow for all works to carefully decommission, disconnect, remove, store, refit and commission 4No existing Tokheim Quantium 500T 8 Hose pumps, to be installed to new islands.

HGV Forecourt Pumps
2 No. New Wayne Dresser Century HGV Pumps and Cradles

NR	DATE	DESCRIPTION
REVISIONS		

bp

BP OIL UK Ltd
Asset Development

BP OIL UK Ltd
Asset Development
WITAN GATE HOUSE
MILTON KEYNES
BUCKS MK9 1ES
Tel No 01908 853000
Fax No 01908 853999

DRAWN: JDL
DATE: Sept.'13
DESIGN CHKED:
DATE:
APPROVED:
DATE:
ATRACK CHKED:
DATE:
SCALE: 1:100
scaled dimensions should not be taken from this drawing
(APPROPRIATE FOR A1 ONLY)

St. Ives SF Connect
Needingworth / Somersham Road.
St. Ives, Huntingdon.
PE27 5WN.

Petroleum Layout

DRAWING No	REV
BP/STD 14456-40	

CAD REF: JENNINGS DESIGN LIMITED

A1
ORIGINAL
PLOT SIZE

WORKING DRAWING

BP Oil UK Ltd

Maintenance Schedule for Petrol Vapour Recovery (PVR) Systems

Systems include all equipment pipework and processes required for :
PVR Stage 1b - transfer of vapour displaced from the underground storage tanks during filling from the delivery road tanker from the vents to the road tanker.

PVR Stage 2: - collection of vapour displaced from vehicle tanks while being filled at petrol dispensers and transfer to the underground fuel storage tanks.

1. **Maintenance Contract**

The maintenance contract is administered by BP Oil UK ltd

Contact: The Fuels Maintenance Manager
BP - Global Alliance
Witan Gate House
Central Milton Keynes
MK9 1ES

Tel 01908 853616

2. **Site Particulars**
    a. See site layout plans attached for an indication of principal components comprising:
        i. Storage tanks, tank fill points and vapour connection, tank vents and vent manifold, fuel dispensers

3. **Maintenance Schedule**
    a. Pressure /Vacuum/Orifice vent valve - located at top of petrol vents valve to be visually checked annually for correct and free operation, replace if defective. Check and clear flame arrestor gauze as needed, replace if defective, replace valve every 3 years.
        i. Type fitted - Risbridger RIS-VENT with orifice or equivalent
    b. Vapour recovery adaptor (for connection of the tanker vapour hose) to be checked for tightness when closed and for correct and free operation, report for replacement / corrective action if defective. check and clear flame arrestor cartridge (where fitted) .
        i. Vapour adaptor type fitted - Risbridger Vapour Retainer ref 3416 or equivalent
    c. Check continuity of electrical bonding while progressing other checks (visual only – annual electrical test will confirm proper earthing) report any defects
    d. Pipework – carry out annual tightness test of vapour containment system to include offset fills, vent pipes, vent manifold and vapour return pipes. Report any defects.
    e. Carry out visual check of dispenser external hoses, nozzles and associated fittings to confirm no damage which might potentially allow the loss of liquid or vapour. Report any defects for correction.
    f. Signage - confirm all appropriate signage is present and complete including tank contents labels identifying tank No., capacity and grade, vent labels identifying which tank they are connected to and all statutory safety signs at vents and fill points.

4. Additional Items for Sites with Stage 2 Vapour recovery systems

a. Site staff confirm proper operation of Stage 2 VR system in pumps on a weekly basis in accordance with pump manufacturer's instructions. Defects identified are recorded and repaired within 7 days.
b. Air/Liquid recovery ratio of dispenser checked in accordance with manufacturers instructions to be within prescribed limits on an annual basis. Correct as needed. Maintain records in site register.
c. Pressure test to confirm tightness of the vapour return pipes every 3 years. Repair any leaks identified. Maintain a record on site of the checks and any corrective

5. General

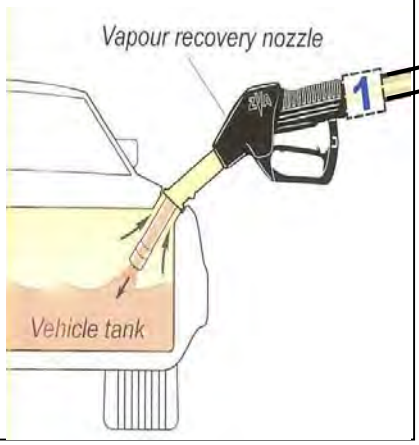
a. All contractors carrying out testing or other maintenance works must present their method statement and clearance certificate, incorporating a suitable risk assessment, to the site manager for sign of before commencing any work.
b. Clearance certificates must be signed by the site manager / appropriate competent person on completion of works

Petrol Vapour Recovery Stage II (PVR II)
CO Site Information

Stage II of what ?

Petrol Vapour Recovery **Stage 1** was introduced in 2000 and required the collection of petrol vapour displaced during the loading and unloading of the Petrol Tanker. All sites in the UK are now fitted with PVR1.

PVR II will collect the vapour displaced from car fuel tanks as they are filled on the forecourt



The Red Light Area

Site staff need to check dispenser displays at least once every week to confirm the correct functioning of the Stage 2 VR system. If a fault occurs with the vapour pump or the control valves the dispenser displays an illuminated red LED located on the dispenser dial face.

(on Tokheim pumps the light is just below the litres display)
If you see this red light log it against pump no and date and report the fault to the maintenance centre in the usual way.

An illuminated LED can only be cancelled by an engineer intervention.

Correct functioning is confirmed at the end of every petrol sale when a green (red with Tokheim) LED will blink once.

The Legal Bit

PVR II is regulated in England and Wales, Scotland and Northern Ireland under the regional versions of **The Pollution Prevention and Control Regulations, 2000.**
Your site requires a permit to operate Vapour Recovery Systems which is granted by your local councils Environmental Health Department and is renewed annually by the licensing coordinator in WGH.
A copy of this permit and any specific conditions of the permit must be retained on site.

All sites selling more than 3.5 million litres of petrol a year must be fitted with Stage II Petrol Vapour recovery from 1st January 2010 All new sites built after that date (including major modifications), which will sell more than 0.5 million litres of petrol a year must also be fitted.

There is no UK certification but the performance of PVR II systems must be certified as achieving 85% efficiency to one or more of the existing standards in Germany, Sweden, France, Austria or the Netherlands.

Once installed operators must ensure the system is working properly and recovering vapour at a rate between 85% and 115% of the fuel flow rate. Regular weekly checks must be made to ensure the system is operating (see The Red Light Area) and annual flow tests will be carried out by maintenance to check the recovery efficiency. Any faults must be recorded in a log maintained on site.

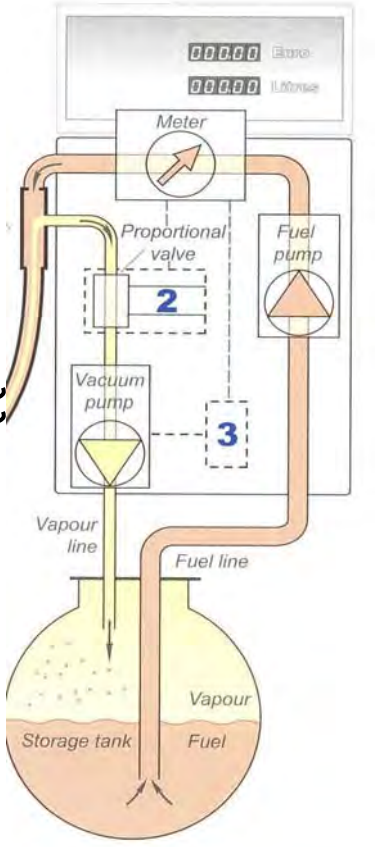
ATEX 137 Worker Protection Directive (HSAW)
The employer / owner of the site is responsible for ensuring that explosion risks have been assessed and that equipment is correctly designed, operated and maintained.

All equipment for use in hazardous atmospheres must be tested, certified and marked in accordance with the requirements set out under the ATEX 100 (Equipment) directives.

BP has been operating Stage 2 on many sites in the UK since early in 2000. We also have extensive experience of operating vapour recovery systems in many countries in Europe. If you need further information please get in touch with the maintenance centre in Witan Gate House

The Technical Stuff

Pumps are fitted with
- a special nozzle (1), coaxial hose and splitter adaptor
- a vacuum vapour pump (3) for each sides of the dispenser
- an electronically controlled valve (2) in the pump which matches the vapour recovery flow rate to the fuel delivery flow rate



There is also a vapour pipe connecting the pump back to one of the petrol tanks. Vapour lines from all pumps are connected to a single connection. A safety break valve at the pump base prevents vapour escape if the pump is knocked over.

WHY ?

Petrol vapour which escapes into the atmosphere is directly connected to an increase in ground level Ozone, a major pollutant which causes breathing disorders and other health problems in humans and is poisonous to plants. Petrol Vapour Recovery Stage II in the UK will prevent the release of 30,000 tonnes of vapour into the atmosphere which will achieve significant reductions in ground level ozone.

Issued by: BP Oil UK Ltd
April 2009
PVR II CO Information v0

bp

This Note contains a brief summary of the Stage II statutory requirements as they apply to Wayne and Tokheim Pumps on BP Company Owned Sites. Sites with other equipment should check the specific requirements regarding inspection applicable to them.

BP Petrol Vapour Recovery Stage II (PVR II)
Operating Record

Checking Equipment Reporting Faults

You must check pumps daily to ensure safety and cleanliness. This is completed as part of your 'Store Check'. On a daily basis, the pumps are to be checked for:

- Damage to panels
- Damage to Nozzles and couplings
- Damage and wear to Hoses

Any damage found should be reported through *e-maintenance*. If the damage affects the safety of the pump it should be taken out of action pending repair by an approved maintainer.

Stage2 monitoring adds an additional check to this daily routine. If a red light is visible at the lower corner of the volume display window it must be reported as a Stage2 VR fault for that particular pump through *e-maintenance* and the incidence logged in the form below and retained as part of the Petroleum Register in section 6. Your PO or any other regulator representing the Environment Agency may ask to see these records.
Periodically check that the light is working by observing transaction completion. The light will flash once as the nozzle is replaced. If it doesn't report as a fault through E-Maintenance.

Automatic Monitoring

The correct functioning of the Stage 2 VR system in the dispenser is automatically monitored by the pump computer. Repeated fault codes generated by the vacuum pump and the proportional valve control systems of the dispenser are converted by the dispenser computer to a visual signal in the form of a continuous red LED located on the dispenser dial face.
Fault LED's will be easily identified during routine periodic checks of the dispensers by site staff who will record the fault and log a maintenance call.

The illuminated LED can only be cancelled by an engineer intervention.

Functioning of the LED is confirmed in the end of every sale when the nozzle is replaced the LED will blink once.

BP Petrol Pump

Stage 2 Vapour Recovery Fault Record Form

Pump No.	*Date Fault noted*	*initial*	*E-Maintenance Job Ref.*

Make a copy of the rear of this form as a continuation

Further information: *contact your Retail Territory Manager or*

Maintenance Centre Help Desk: 0800 nnn nnn
BP help desk : 01927 85 xxxx
Store Support team 01927 85 nnnn

Issued by: BP – Global Alliance
January 2008
PVR II Site Ops Record v0
GlobalAlliance

Stage 2 Vapour Recovery Fault Record Form

Forms must be retained as part of the Petroleum Register.

This sheet is to be copied.
Do not complete this page
(if visible score through on Photocopy)

Site Name: _____

Site No: _____

Continuation Sheet Number: [ ]

Pump No.	*Date Fault noted*	*initial*	*E-Maintenance job ref.*

BP LAPPC PART B PERMIT
- ATTACHMENT 6A

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ ΠΙΣΤΟΠΟΙΗΤΙΚΟ ◆ CERTIFICADO ◆ CERTIFICAT

Certificate No. 85-2.127

TÜV SÜDDEUTSCHLAND

The Certification Body for Fuel-Vapor Recovery Systems of TÜV Süddeutschland, Tank Systems Competence Center, Westendstr. 199, D-80686 Munich, hereby certifies testing of the following fuel-vapor recovery system in line with the code of practice:
"System testing for active fuel-vapor recovery systems and their monitoring systems in Germany (Code of Practice I)" of June 17, 2002 :

- Nozzle: **ELAFLEX ZVA 200 GR**
- Hose: **ELAFLEX Conti Slimline 21/8 Coax**
- Control valve: **Bürkert, 6022 / 2832,** with electronic control: Bürkert
- Vapor recovery pump: **ASF Thomas, Type 8014-5.0**

The following general requirements must be observed in installation:

• maximum volumetric fuel-flow rate:	**38**	**l/min**
• maximum counter pressure in fuel-vapor recovery line:	**150**	**mbar**
• coefficient of correction for system adjustment with air:	**1,09**	

The required minimum efficiency ratio of 85% was demonstrated.

The fuel-vapor recovery system is in line with the state of the art as defined in the 21. BImSchV[1] (Regulation governing the limitation of hydrocarbon emissions during motor-vehicle refueling) of October 7, 1992, last amended on May 6, 2002.

Munich, October 23, 2002

Technische Überwachung • Bayern • TÜ 12

Officially Authorized Expert

Peter Szalata

Peter Szalata

[1] Air Pollution Control Regulation

BP LAPPC PART B PERMIT
ATTACHMENT 6B

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Certificate No. 85 A/L-2.1

Industrie Service

The TÜV SÜD Test Body for Vapor Recovery Systems,
Westendstr. 199, D-80686 Munich, certifies having conducted tests according the following code:
"Measurement and test methods for the assessment of vapour recovery systems on filling stations- VDI 4205"
on the following vapor recovery system:

Fuel-hose nozzle:	**ELAFLEX ZVA 200 GRV 3**
Hose:	**ELAFLEX Conti Slimline 21/8 Coax**
A / L regulator valve[1]:	**ASCO,** Model JV13285902.24/DC, **Type EMXX** with Control board: „Tokheim SAS" Typ **ECVR - OL**
Vapor valve[2]:	Not required –if internal in fuel-hose nozzle
Vapor recovery pump:	**Dürr, MEX 0831-11**

Test results:

A/L	**99,4 %** at volumetric fuel-flow rate 40 l/min
Average[3] efficiency	**95,4 %**

The following general conditions must be observed during installation:

Maximum volumetric fuel-flow rate:	**40 l/min**
Maximum counter pressure in recovery line:	**50 mbar**
Correction coefficient for system settings with air:	**1,10**

Germany
Munich, 20.08.2007

TÜV SÜD Industrie Service GmbH

The officially authorized expert

Peter Szalata

[1] regulates air to liquid ratio
[2] opens the vapour path during liquid flow
[3] According to VDI 4205 in normal position and 45° position using VW Polo as reference car under realistic fuelling conditions.

DRESSER
Wayne

Vapour recovery

Bürkert Vapour recovery
and Wayne iGEM

Test and Calibration

For internal use only
Endast internt bruk
Только для внутреннего пользования

MMa 2003-01-09 V2

Product Liability

For the supplier's product liability to be valid, no alterations, additions or the like may be made to the equipment without the supplier's express permission.
Use only genuine parts

Produktansvar

För att en leverantörs produktansvar skall gälla får ändringar, kompletteringar och liknande ej göras i utrustningen utan leverantörens godkännande.
Originalreservdelar skall alltid användas.

Produkthaftung

Damit die Produkthaftung des Lieferanten ihre Gültigkeit behält, dürfen ohne ausdrückliche Genehmigung des Lieferanten keine Änderungen, Ergänzungen o. Ä. an der Ausrüstung vorgenommen werden.
Verwenden Sie nur Originalteile.

Ответственность поставщика

Для сохранения ответственности нельзя вводить в оборудование изменения, дополнения и т.п. без разрешения поставщика.
Пользуйтесь только оригинальными запасными частями, выпущенным изготовителем бензоколонки.

Caution

To prevent damage that might result in electric shock or fire, disconnect the main power prior to any work.

Varning

Gör pumpen/enheten strömlös innan Du gör ingrepp i den. I annat fall föreligger risk för skada.

Vorsicht

Um Beschädigungen zu vermeiden, die zu einem elektrischen Schlag oder Feuer führen können, unterbrechen Sie vor jeder Arbeit die Stromzufuhr.

Осторожно

Во избежание поражения электрическим током или пожара отключайте напряжение питания перед началом любых работ.

Warning

Never run a leaking pump! Be careful with the environment and mind the skidding risk; take care of leaking fuel immediately.

Varning

Använd aldrig en läckande pump.
Tänk på miljön och halkrisken, sanera utläckt drivmedel snarast.

Warnung

Lassen Sie nie eine undichte Zapfsäule laufen! Seien Sie umweltbewusst und denken Sie an die Rutschgefahr; beseitigen Sie austretenden Kraftstoff umgehend.

Предупреждение

Не пользуйтесь бензоколонкой при наличии утечки! Охраняйте окружающую среду, помните об опасности скольжения в случае утечки топлива примите меры немедлено

1 Test of vapour recovery

The following instructions must be used when verifying the vapour recovery system on pumps equipped with iGEM.

Test

1. Enter function F34.03 (side A) or F34.04 (side B)
2. Lift the nozzle you want to test. You can read the simulated flow on the display. (default 25 litres/minute)
3. Mount the Elaflex FLOTESTER (Wayne Malmö number 452442) on the nozzle.
4. Hold the nozzle in vertical position as described in figure.
5. Set flow, using remote control (up or down), to 20 litres/minute.
6. Wait until flow displayed on Elaflex FLOTESTER is stable then verify that flow is **>20.7** and **<22.9 litres/minute**
7. Set flow, using remote control (up or down), to 38 litres/minute.
8. Wait until flow displayed on Elaflex FLOTESTER is stable then verify that flow is **>39.3** and **<43.4 litres/minute**
9. Dismount the Elaflex FLOTESTER.

If values are out of range, calibrate the vapour recovery system.

2 Manual adjustment of Bürkert Vapour recovery with Wayne iGEM pumps:

1. Enter function F26.01, and set parameter to 1.
2. Enter function F40 using the remote control.
3. Sub function F40.01: Lift nozzle (Nozzle no. and side is indicated on sales display). Then press ENTER.
4. Mount Elaflex FLOTESTER in nozzle to be calibrated.
5. Place nozzle in vertical position as described in picture.

5. Sub function F40.02: Proper VAP motor is started to be heated. A counter is decrementing from 60 to 0. By pressing NEXT on remote control, user can skip heating if motor is already warm.
6. Sub function F40.03: A fuelflow of 10 litres/min is simulated. Enter flow indicated on flowmeter as decilitres/min (e g 120 for 12 litres/min) using the remote control. Press "#" then enter digits and press ENTER.
7. Sub function 40.04: A fuel flow of 35 litres/min is simulated. Enter flow indicated on flow meter as decilitres/min (e g 360 for 36 litres/min) using the remote control. Press "#" then enter digits and press ENTER.
8. Display is now indicating "cALIbr, donE" which mean that calibration is finished for that nozzle.
9. Return nozzle and exit F40.

Steps 1 to 9 are repeated for each nozzle.

When finished, exit maintenance mode and save changes, F00=3.

3 Notes

4 Market & Service

Sweden

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Fax +46 40-15 03 81

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E-mail: info@wayne.se

Felanmälan Sverige:
(Help desk)
Tel: 0771-420430
E-mail: service@wayne.se

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Fax +44 (0)1875 400010

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To find more informations, contact your local Wayne representative.
You can also visit our web-sites
www.wayne.se
www.wayne-europe.com
www.wayneuk.com

DRESSER
Wayne

More than a century of experience
Über 100 Jahre Erfahrung
Mer än 100 års erfarenhet
Более, чем столетний опыт работы

Wayne Dresser develops, manufactures and markets complete operative systems for fuel handling at service stations. Everything from development and design to efficient production and assembly of components is pursued under one roof.

Wayne Dresser entwickelt, produziert und vermarktet komplette funktionierende Systeme für die Abgabe von Kraftstoffen an Tankstellen. Von der Entwicklung über das Design bis zur Herstellung und Installation liefern wir alles aus einer Hand.

Wayne Dresser utvecklar, tillverkar och marknadsför kompletta operativa system för drivmedelshantering på servicestationer. Under ett och samma tak ryms allt från utveckling och konstruktion till rationell tillverkning och sammansättning av komponenter.

Wayne Dresser разрабатывает, производит и продает совершенные оперативные системы для торговли топлива на станциях обслуживания. Все начиная от разработок и конструкции до эффективного производства и сборки компонентов происходит в пределах одного предприятия.

The operations of Wayne Dresser comprise four interacting parts:

- Equipment such as petrol pumps, payment terminals, point-of-sale terminals and service station operative systems.
- Software for recording and for internal communication at the station, as well as between the station and the oil company, banks and credit institutes.
- Project design with overall responsibility to the customer.
- Field service, technical support and supply of spare parts.

Wayne Dresser makes it easier for the motorist to fill up and make his motoring purchases, while effectively meeting the needs of the service station owner for operating supervision and for conforming to the demands of the authorities on measuring accuracy, minimising pollution and ensuring safety.

Die Niederlassungen von Wayne Dresser umfassen vier ineinander greifende Bereiche:

- Ausrüstungen wie Zapfsäulen, Zahlterminals, Kassenterminals und Tankstellensysteme
- Software für Registrierung und Kommunikation auf der Tankstelle u. zwischen Station und Mineralölfirma sowie Banken und Kreditinstituten.
- Projektgestaltung mit umfas-sender Verantwortlichkeit dem Kunden gegenüber.
- Service, technische Unterstützung und Lieferung von Ersatzteilen.

Wayne Dresser erleichtert dem Fahrer die Betankung und damit verbundene Einkäufe, unterstützt gleichzeitig den Stationär bei der übersichtlichen Führung seines Betriebes unter Berücksichtigung der behördlichen Vorschriften hinsichtlich Messgenauigkeit, Umwelt- und Sicherheitsauflagen.

Verksamheten omfattar fyra samverkande delar:

- Utrustning som bensinpumpar, betalterminaler, butiksterminaler och stationsdatorer.
- Programvara för registrering och kommunikation internt på stationen samt mellan stationen och oljebolaget, banker och kreditinstitut.
- Projektering med totalansvar gentemot uppdragsgivaren.
- Service på fältet, teknisk support och reservdelsförsörjning.

Wayne Dresser gör det lättare för bilisten att tanka och handla. Samtidigt tillgodoses stationsägarens krav på en effektiv driftskontroll och myndighetskraven på mätnoggrannhet, miljövänlighet och driftssäkerhet.

Действия Wayne Dresser включают четыре взаимосвязанных направления:

- Оборудование, например, топливораздатачные колонки, платежные терминалы, терминалы точек продажи и системы управления АЗС.
- Программное обеспечение для регистрации и для внутренней связи на АЗС, а также между АЗС и нефтяной компанией, банками и институциями кредитов.
- Проектирование с полной ответственностью к клиенту.
- Обслуживание на местах, техническая поддержка и поставка запасных частей.

Wayne Dresser упрощает процесс заправки и приобретения покупок при эффективном соглосовании потребностей владельца АЗС для оперативного управления и для соблюдения требований государственных и метрологических служб, а также уменьшения загрязнения окружающей среды и обеспечения безопасности.

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info@wayne-europe.com, www.wayne-europe.com

Local Authority "Compliance Effort Assessment" PPC regs

1. Compliance Assessment	Possible Score	Score	BP Compliance Note
a. Incidient leading to justified complaint but no breach of permit	0		
b. incident leading to justified complaint	5 per incident		
c. Breach of Authorisation not leading to formal Action	10 per incident		
d. Incident leading to formal Caution, enforcement notice or prosecution	15 per incident		
e. Incident leading to prohibition notice	20 per incident		
Total			
			Should have no breaches of the permit

2. Assessment of Monitoring , Maintenance and Records	Possible Score Y / N / na	Score	BP Compliance Note
a. All monitoring undertaken to the degree required in the permit	0 – 10 - 0		**Yes** – no specific requirement in permit to record actual emissions details. Equipment downtime which will result in unplanned release is identifiable in maintenance systems
b. Process operation modified where any problems indicated by monitoring	0 – 5 - 0		**N/A** as no monitoring
c. Documented and adhered to Maintenance programme, in line with permit – Provide written mtce programme for pollution control to regulator	0 – 5 - 0		**Yes** – Checks on site VR2 equipment included in Daily and Weekly site check lists for site staff. Major maintenance and operational checks procedures as provided to regulator in permit application
d. Ducumented records as required in permit available on site – log book at premises incorporating details of Mtce, examination and testing, inventory checking, installation and repair work carried out	0 – 5 - 0		**Yes** - Mtce record kept centrally and available on site through e- maintenance on line system
e. all relevant documents forwarded to the authority by the date required	-5 / 10 / 0		**Yes** – Commissioning 12 June 2014 Approx.
Total			

3. Assessment of Management and training responsibility	Possible Score Y / N / na	Score	BP Compliance Note
a. Documented procedures in place for implementing all aspects of the permit – are procedures in place to ensure proper management, supervision and training for process operations, proper use of equipment, and affective preventative mtce on all plant and equipment concerned with emissions to air	0 – 5 - 0		**Yes** – permit documentation, staff advice, system description, check records Note for Stage 2 will be in place as required 12 June 2014
b. Specific responsibilities assigned to individual members of staff for these procedures – are staff trained to be aware of their responsibilities under the permit	0 – 5 - 0		**Yes** – Management of the site and equipment on the site related to Stage 1b and Stage2 vapour recovery forms part of the general Responsibilities of staff related to the storage and sale of petrol and is incorporated in the overall competent person training they are required to complete. Specific additional reference material is provided in relation to Stage 2 pvr in the form of an information sheet (copy provided with permit application) Repeat tasks are identified in daily / weekly check list
c. Completion of individual responsibilities checked and recorded by the company – Does the operator maintain and make avaialbe a statement of training requirements for each operational post	0 – 5 - 0		**Yes** – Daily / Weekly Site check list records retained
d. documented training records for all staff with air pollution control responsibilities – Does the operator keep and make available a record of the training received by each person whose actions may have an impact on the environment	0 – 5 - 0		**Yes** - forms part of the general training records as noted above
e. trained staff on site throughout periods where potentially air polluting activities take place – Is there a cometent trained person who remains near the tanker during unloading	0 – 5 - 0		**Yes** – truck driver responsible for delivery under ACoP L133
f. is an appropriate environmental management system in place	-5 – 0 - 0		N/A
Total			
