Application form

Application for a permit for unloading petrol into storage at petrol stations and filling of vehicle petrol tanks

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

Introduction

When to use this form

Use this form if you are applying for a permit to a Local Authority to operate an installation unloading petrol into storage at petrol stations and filling of vehicle petrol tanks.

The appropriate fee must be enclosed with the application to enable it to be processed further. When complete, send the form and the fee and any additional information to:

Warwick District Council

If you need help and advice

We have made the application form as straightforward as possible, but please get in touch with us at the local authority address given above if you need any advice on how to set out the information we need.

For the purposes of Section G of the form, a relevant offence is any conviction for an offence relating to the environment or environmental regulation.

For Local Authority use		
Application reference	**Officer reference**	**Date received**

A. The basics

A1. Name and address of the installation

Jaguar Land Rover Limited

Oldwich Lane East,
Fen End,
CV8 1NR.

Telephone: To be confirmed.

A2. Details of any existing environmental permit or consent.?

- Jaguar Land Rover has a number of environmental permits and consents, but currently none at this location.

A3. Operator Details

- **Jaguar Land Rover Limited**

- Trading name (if different) N/A

Registered Office address:

- **Abbey Road,**
  Whitley,
  CV3 4LF

- **Telephone: 024 7630 3080**

- **Company Registration Number - 1672070**

A4. Any holding Company?

Is the operator a subsidiary of a holding company within the meaning of section 1159 of the Companies Act 2006?

- Yes.

Name of ultimate holding company:

- **Jaguar Land Rover Automotive PLC**

Ultimate holding company registered office address:

- **Abbey Road,**
  Whitley,
  CV3 4LF
- **Telephone: 024 7630 3080**
- **Company Registration Number - 6477691**

A5 **Who can we contact about your application?**

It will help to have someone who we can contact directly 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: J.G.O'Sullivan

Position: Environmental Specialist

Address:
Whitley Design & Engineering Centre
PR Office, W/1/13,
Abbey Road,
Whitley,
CV3 4LF

Telephone: [redacted]

email address: [redacted]

B 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.

- This application relates to the unloading of petrol into stationary storage tanks at Jaguar Land Rover's site at Fen End. The stationary technical unit comprises the following: - 1 storage tank with 2 petrol compartments: each one with a 6250 litre capacity. Delivery and vapour return hoses, vapour recovery system, and tank vapour release point all as described in the site plan. Note that the tank also has a 5,000 litre Ad-Blue compartment and a 12,500 lire diesel compartment.

B2. Why is the application being made?

☒ New installation

☐ Change to an existing installation

B3. Site maps – please provide:

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

Document reference: *2 JLR Fen End Vehicle Operations Fuel Farm - Site location map.pptx*

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) number, capacity and location of all storage tanks

- **See document references:**
  3 Fuel Farm Fen End Jaguar Land Rover - General Site Plan Final.pdf
  4 Fuel Farm Fen End Jaguar Land Rover - Pipework & Services Layout Drawing Final.pdf
  5 Fuel Farm Fen End Jaguar Land Rover - Finishes Drawing Final.pdf
  6 Fuel Farm Fen End Jaguar Land Rover - Tank Location Final.pdf
  7 Tank layout 10114 revised comps.pdf

B4 Technical documentation – please provide:

a) Copy of "type approval" certificate where a site operates Stage II activities

- **See document reference:** *8 Stage II type approval VR2 -1502_1-108 EU Certificate.pdf*

C The details

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

a) active system with automatic monitoring ☒

b) active system without automatic monitoring ☐

C2. Do you have environmental management procedures and policy?

☒ Yes ☐ No

If yes, please supply a copy.

- The Company has well established Environmental Management System (EMS) that is certified to ISO 14001 and the intention is that the Fen End site will be added to the scope of the certificate once the facility is fully operational. Please also refer to the attached document references;

- *9 VCA Certificate July 2016.pdf*
  10 CPC4-Commitment to the Environment.pdf

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

☐ Yes ☒ 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: N/A**

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

☐ Yes ☒ **No**

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

Document reference: N/A

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: N/A

C5 Is the proposed installation sited under living quarters?

☐ Yes ☒ **No**

D. Anything else?

Please tell us of anything else you would like us to take account of:

☐ **Yes** ☒ No

Document reference: N/A

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 you want invoices to be sent to.

- **Thomas Higgins**
  Jaguar Land Rover,
  Facilities Manager,
  Estates Management,
  Oldwich Lane East,
  Fen End,
  CV8 1NR.
- **Telephone:** [redacted]
- **email** [redacted]

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, to the Secretary of State or Welsh Ministers who will decide what, if anything, can be made public.)*

Document reference: N/A

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 the permit conditions. We 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 to 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 matters;
- 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 is 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 certify as evidence of my 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 regulation.

Signatur[redacted] Name: John Edwards

Position: Managing Director, Special Operations Date: 20th December 2016

Declaration B:

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

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

Signature: [redacted] Name: John Edwards

Position: Managing Director, Special Operations Date: 20th December 2016

Certificate No. **VR2 – 1502/1 – 108 EU**

The TÜV SÜD Industrie Service GmbH, test body for vapor recovery systems,
Westendstr. 199, D-80686 Munich,

certifies having conducted tests according to EN 16321-1
on the following petrol vapour recovery system:

Type of system:	***Active, distributed system with electronic proportional valve***
Nozzle:	**ELAFLEX Slimline 2**
Hose assembly:	**ELAFLEX Conti Slimline 21/8**
Proportional valve:	**ASCO, Typ EMXX**
Control board	**Tokheim TQC VRC SCS**
Vapour recovery pump:	**Dürr MEX 0685**

Conditions for installation and operation:
Requirements to ensure system performance in use

Maximum volumetric fuel-flow rate:	**40** l/min
Maximum back pressure in petrol vapour pump outlet line with maximum vapour flow:	**50** mbar
Correction factor for system settings with simulated petrol-flow of 38 l/min.:	Not necessary
Measured efficiency:	**88** %
Required efficiency by Directive 2009/126//EC:	*85 %*

Corresponding reports: "Efficiency 1401/1 Slimline 2", "System 1502/1-108 EU"

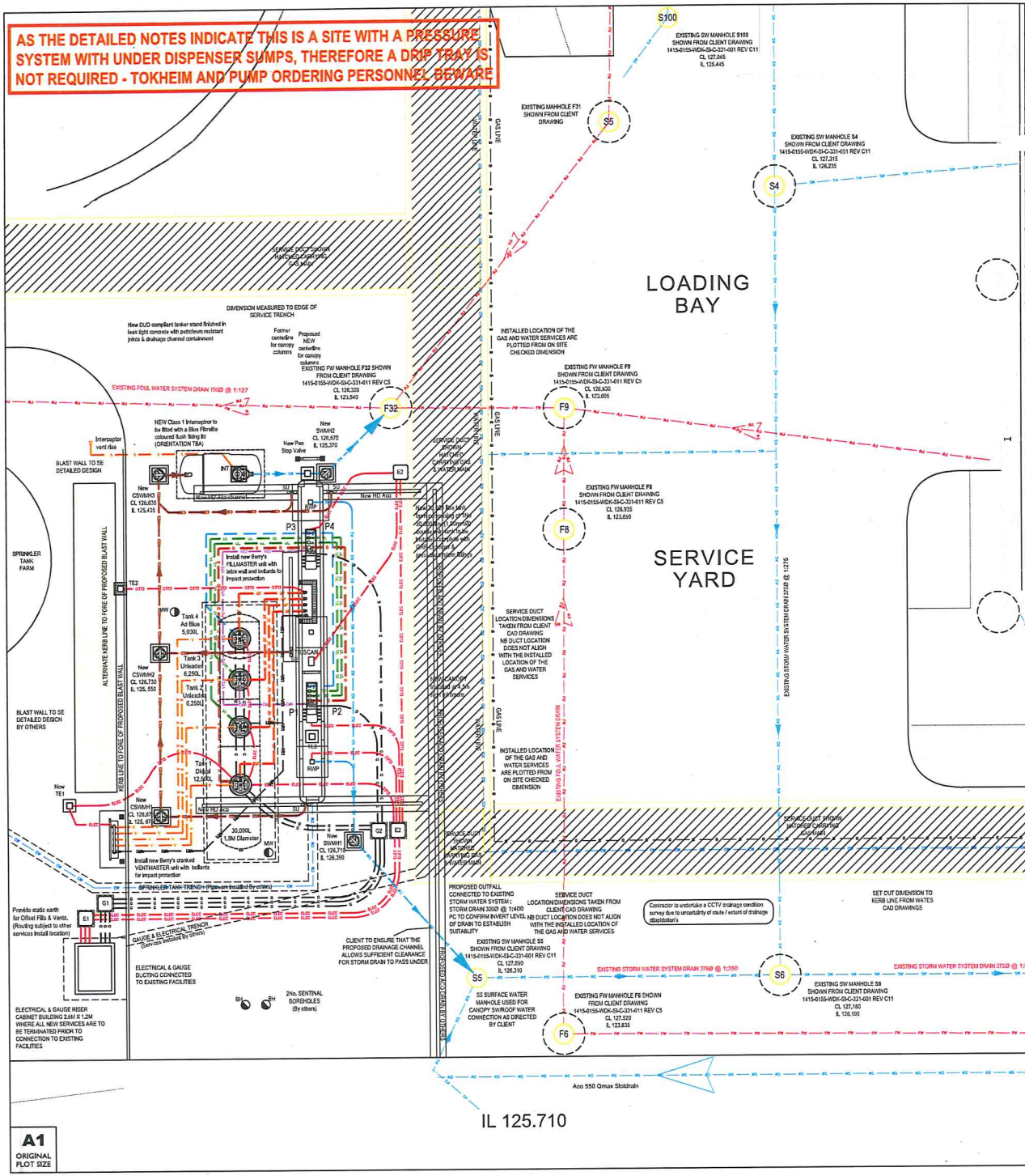
The vapour recovery system corresponds to the state of the art as defined in the "Directive 2009/126/EC".

Germany, Munich, 18/03/2015 TÜV SÜD rubber stamp Test Body for Vapor Recovery Systems

Expiration date 04/02/2017

Peter Szalata

AS THE DETAILED NOTES INDICATE THIS IS A SITE WITH A PRESSURE SYSTEM WITH UNDER DISPENSER SUMPS, THEREFORE A DRIP TRAY IS NOT REQUIRED - TOKHEIM AND PUMP ORDERING PERSONNEL BEWARE



PRESSURE SYSTEM - PIPEWORK SPECIFICATION

BELOW GROUND - BETWEEN PUMPS / OFFSET FILLS & SUMP CHAMBERS

Type	Material
Fuel lines to Split dispensers	63/75mmØ secondary contained / double wall coiled polyethlene
Fuel lines to HGV dispensers	63/75mmØ secondary contained / double wall coiled polyethlene
Vent lines	63mmØ Single wall polyethlene
Offset fill lines	110/125mmØ double wall polyethlene - RIGID
Stage 1 vapour recovery lines	63mm and 90mmØ single wall polyethlene
Stage 2 vapour recovery lines	63mm and 90mmØ single wall polyethlene

- All pipework and fittings to be UPP from PETROTECHNIK
- Straight length secondary containment pipework shoud be utilised for fuel delivery lines - through the pump sumps and for the tee connections

FUEL SYSTEM COMPONENTS MANUFACTURER & TYPE

SUBMERSIBLE PUMP TYPE MAKE & MODEL	FE PETRO 4HP by Franklin Fueling systems fitted with either Mag VFC or EncoVFC, variable frequency controllers to suit PVC requirements
OVERFILL PREVENTION MAKE & MODEL	OPW DEFENDER
PUMP SUMP MAKE & MODEL	UPP polyethylene chamber model DS of proper size.. A rigid metal frame with fixing for shear valves and special penetration boots are an integral part of the delivery
DISPENSER CRADLE MAKE & MODEL	Cradle to custom made galvanized steel frame used for elevated dispenser installation, Cradle allows drain any fuel drops directly to sump so each leak is immediately detected

GAUGE & LEAK DETECTION MANUFACTURER & TYPE

ATG PROBE MAKE & MODEL	FRANKLIN
ATG CONSOLE MAKE & MODEL	FRANKLIN TS550
TANK LEAK DETECTION MAKE & MODEL	FRANKLIN TS550
PIPEWORK LEAK DETECTION MAKE & MODEL	FRANKLIN TS550

LEAK DETECTION EQUIPMENT

Fuel Pipes Interstitial space are monitored by PLLD pressure sensors provided by FRANKLIN, Interstitial spaces are monitored by a vacuum detection system linked to the tank gauge alarm system to ensure alarm and relevant emergency shut down if leak occurs.

Sumps are monitored by electronic sensors detecting different liquids. These sensors are manufactured by FRANKLIN and are directly connected to main ATG console again to ensure alarm and relevant emergency shut down.

DISPENSER MANUFACTURER & TYPE

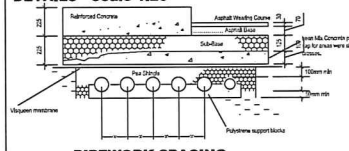
Pump dispensers are Tokhiem Q510 8 hose, 4 grades 8 hose pressure system dispensers with stage 2 vapour recovery Dispensers are supplied including all additional hardware (vacuum pumps, controls, hoses, nozzles etc) in proper configuration.

LEAK DETECTION SYSTEM

System provides alarm and shut-down of the electrical circuits including pumps (in cooperation with Emergency shut-down system) in case of any leak. Use the tables below to identify the type of sensor required

MONITORED PART OF SYSTEM	SENSOR	SIGNAL WHEN
Pipes interstitial space	Vacuum sensor	Vacuum loss
Tank interstitial space	Liquid level sensor and detection liquid	Detection liquid level changed
Tank m.h chambers	Liquid discriminating sensor	Water/hydrocarbons in sump
Dispenser sump	Liquid discriminating sensor	Water/hydrocarbons in sump
Oil water separator Class 1	Liquid Sensor	High/Low level of water

TYPICAL PIPE TRENCH COVER DETAILS - Scale 1:20



PIPEWORK SPACING

PIPEWORK DIA	"X" SPACING	SUPPORT SPACING
63mm	150mm	250mm *
90mm	200mm	250mm *
110mm	200mm	250mm *

* In addition adjacent to all Horizontal Fittings (i.e. Elbows, Tees, etc.)

TANK TO PUMP SCHEDULE

New tank no	Install date	Fuel grade	Capacity litres	Safe wkg cap (litres) 97%	Pump numbers 1/2	3/4	Comments
TANK No. 1	2016	DIESEL	12,500	12,125			New Tank
TANK No. 2	2016	UNLEADED	6,250	6,062			New Tank
TANK No. 3	2016	UNLEADED	6,250	6,062			New Tank, S2VR
TANK No. 4	2016	AD BLUE	5,000	4,850			New Tank

TANK SUPPLIER & CONSTRUCTION

COOKSON & ZIN - Double skin steel tank manufactured to EN 12285-1 to be installed with an appropriate external coating to protect against corrosion

TANK CHAMBER & COVER

European approved is multi-faceted tank chamber by FRANKLIN fuel systems UPP OCH-1400-DS. A heavy duty composite manhole cover UPP PCC90 (for pavement areas) and special penetration boots are an integral part of the delivery. Specialist supplier & pipe work contractor to cross-reference all specification detail with the JLR documents & all related technical information.

project managers & RLdm architects

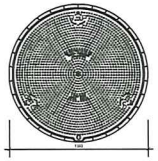
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Details of this drawing are the copyright of Ratcliff Lindsay Design & Management Ltd. and must not be reproduced or copied without prior written consent. Do not scale from this drawing. Any errors or omissions are to be reported to the contractor and the Architect immediately. All proposed road and junction alterations are subject to highways engineers detailed design. Removal of any existing tree and landscaped areas are is subject negotiations with Local Authority Planning Dept. and other statutory controls. All drawings are to be read in conjunction with structural engineers drawings and all related Architects and consultant drawings and other relevant design information. Where doubt arises, seek clarification.

PIPEWORK LEGEND

- UL — 63/75mmØ secondary contained / double wall coiled polyethylene (UNLEADED)
- AD — 40/32mmØ secondary contained / double wall coiled polyethylene (AD BLUE)
- D — 63mmØ single contained coiled polyethylene (DIESEL)
- V — 63mmØ Single wall lined polyethylene - (VENT LINE)
- OF — 110/125 mmØ secondary contained / double wall polyethylene - (OFFSET FILL)
- VP2 — 63mm and 90mmØ single wall lined polyethylene - Stage 2 vapour recovery line
- VP1 — 63mm and 90mmØ single wall lined polyethylene - Stage 1b vapour recovery line

TANK EXCAVATION DEPTH		PROJECT No.	JAGUAR LR	
PIPE DROP AT PUMP			0,500	
FALL & BENDS (1:100)	TBC to TBC		TBC	
CROSSING TOLERANCE			0,300 (min)	
TANK NECK / LID			0,100	
TANK			3,000	
PEASHINGLE			0,200	
BASE			0,250	
BLINDING			0,050	
DEPTH REQUIRED FROM LOWEST ISLAND			min TBC meters	(1)
TOTAL EXCAVATION DEPTH	(Level = (7) - (4))		min TBC meters	(2)
LEVEL AT TOP OF LOWEST ISLAND			TBC	(3)
LEVEL AT U/S OF BLINDING	(Level = (3) - (1))		TBC	(4)
LEVEL AT TOP OF TANK	(Level = (4) + 3,500)		TBC	(5)
LEVEL AT TANK NECK / LID	(Level = (5) + 0,100)		TBC	(6)
LOWEST FFL OVER TANK			TBC	(7)



DETAILS OF FRANKLIN PCC900 FLUSH FIT COVER & FRAME - Scale 1:20

NB

ALL FOUL WATER DRAIN INFORMATION HAS BEEN TAKEN FROM PDF 'PROPOSED FOUL WATER LAYOUT DRAWING' 1415-0155-WDK-SI-C-331-011 Rev C5

ALL SURFACE WATER DRAIN INFORMATION HAS BEEN TAKEN FROM PDF 'PROPOSED FOUL WATER LAYOUT DRAWING' 1415-0155-WDK-SI-C-331-001 Rev C10

ALL LEVELS INFORMATION HAS BEEN TAKEN FROM PDF 'PROPOSED FOUL WATER LAYOUT DRAWING' 1415-0155-WDK-SI-C-331-002 Rev C3

DRAWING TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER DESIGN DRAWING 9178-01 & ASSOCIATED SPECIFICATIONS AND METHODOLOGY

FOR REVIEW

REV No.	DATE	DESCRIPTION	BY	CHKD BY
E	21,11,16	INVERT LEVELS & ACO CHANNEL ADDED	SMR	
D	16,11,16	CANOPY LOCATION & SERVICES AMENDED	SMR	
C	08,11,16	SERVICES DETAIL & INTERCPTOR UPDATED	SMR	
B	13,10,16	GAUGE MONITORING SPEC CHANGED	SMR	
A	11,10,16	TANK FARM RELOCATED DUE TO SERVICES	JSL	
#	20,09,16	DRAWING FIRST ISSUED FOR DISCUSSION	JSL	

PRELIMINARY

AJ Bayliss (Petroleum Engineers) Limited
Unit 9 Trilley Business Park
Sheurport Road
Kidderminster
Worcestershire
DY11 7QL
Tel. 01562 820026
Email: enquiries@ajbayliss.com

AJB Petroleum Engineers — An Advanced Alloy Company

PROJECT
JAGUAR LAND ROVER
VEHICLE OPERATIONS REFUELING FACILITY
FEN END

DRAWING TITLE
PIPEWORK & SERVICES LAYOUT DRAWING

SHEco

DRAWN BY	CHECKED BY	DRAWING No.	REV
SMR		1445 - 02	E
SCALE 1/100	DATE 20-09-16		

A1 ORIGINAL PLOT SIZE