

Ref: P19-101 Mansel Davies NA \ MD APP LET

20 August 2019

Permitting Receipt Centre
Natural Resources Wales
Ty Cambria
29 Newport Road
Cardiff
CF24 0EY

Dear Sir/Madam,

THE WATER RESOURCES (TRANSITIONAL PROVISIONS) REGULATIONS 2017

MANSEL DAVIES & SON LIMITED

APPLICATION FOR A NEW GROUNDWATER ABSTRACTION LICENCE FOR BOREHOLES AT STATION YARD, LLANFYRNACH, PEMBROKESHIRE, UNDER THE 'TRANSITIONAL REGULATIONS'

Please find enclosed a formal abstraction licence application on behalf of Mansel Davies & Son Limited, to cover their historic abstraction of groundwater for vehicle washdown from two boreholes at Station Yard, Llanfyrnach, Pembrokeshire.

Enclosed are:

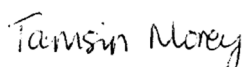
- Application form WRH along with associated Figures and a Continuation Sheet for further information.
- A letter of authorisation from Mansel Davies & Son Limited allowing Envireau Water to sign forms relating to the abstraction licence application and liaise with Natural Resources Wales on their behalf.
- Supporting evidence of historic abstraction.

Please contact us on 01332 871882 to arrange payment of the £135 application fee by credit card.

We look forward to receiving notification of a "valid application" in due course but in the meantime if you would like to discuss any aspect of the application then please do not hesitate to contact us.

Please ensure that all correspondence regarding the application is directed to myself (the Agent) so we are able to respond promptly.

Yours faithfully,



Tamsin Morey MSc CEnv
Principal Water Resources Specialist

ROAD HAULAGE CONTRACTORS
AGRICULTURAL MERCHANTS
BULK LIQUID TRANSPORT
LOCAL & LONG DISTANCE HAULAGE
GRAIN & ANIMAL FEED BULK TRANSPORT
HEAVY HAULAGE WITH LOW LOADERS
PNEUMATIC LOADING & UNLOADING
WAREHOUSING & DISTRIBUTION
QUARRY OWNERS
SUPPLIERS OF SAND, CEMENT
CONCRETE BLOCKS AND ALL AGGREGATES



Mansel Davies & Son Ltd

Station Yard, Llanfyrnach, Pembrokeshire. SA35 0BZ

Tel.: (01239) 831631 Fax: (01239) 831596

Email: enquiries@manseldavies.co.uk

GROUND & MAGNESIUM
LIMESTONE & BASIC SLAG
WITH SPREADING SERVICE

THE **VOLVO** TRUCK AND COACH
MAIN DEALERS FOR WEST WALES
DEPARTMENT OF TRANSPORT APPROVED
TACHOGRAPH CENTRE

COMMERCIAL VEHICLE REPAIR
AND M.O.T. PREPARATION
COMMERCIAL VEHICLE
& TRAILER RENTAL SERVICES

19 August 2019

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Natural Resources Wales
Ty Cambria
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Dear Sir/Madam,

THE WATER RESOURCES (TRANSITIONAL PROVISIONS) REGULATIONS 2017

MANSEL DAVIES & SON LIMITED

APPLICATION FOR A NEW GROUNDWATER ABSTRACTION LICENCE FOR BOREHOLES AT STATION YARD, LLANFYRNACH, PEMBROKESHIRE, UNDER THE 'TRANSITIONAL REGULATIONS'

We hereby authorise Envireau Water of Cedars Farm Barn, Market Street, Draycott, Derbyshire, DE72 3NB to represent and sign on our behalf, forms relating to the submission of an application under the 'Transitional Regulations' for a new groundwater abstraction licence at Station Yard, Llanfyrnach, Pembrokeshire.

Yours faithfully,

Stephen Mansel Davies

Managing Director, Mansel Davies & Son Ltd

Directors:

D. Mansel K. Davies M.B.E.

Mrs P. J. Davies – Stephen M. Davies – Mrs S. F. Davies

VAT Reg. No.: 122 3377 01

Reg. No.: 812036 (England)



Fill in this form if you are applying for a transitional water resources licence to continue a previously exempt abstraction.

This form is available in both English and Welsh. Please check that this is the latest version of the form available from our website before submitting your application.

Please ensure you use Guidance Note WRH to help you.

All relevant guidance documents can be found on our website.

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1. Application type and fee

1.1 Please select your application type from the list below.

- A new transitional water resources full abstraction licence for a previously exempt abstraction ☒
- A new transitional water resources transfer licence for a previously exempt abstraction ☐
- A variation to an existing full abstraction licence to add a previously exempt abstraction ☐
- A variation to an existing transfer licence to add a previously exempt abstraction ☐

1.2 Please indicate the amount and how you wish to pay your application

Amount paid	<input type="text" value="£135"/>		
Cheque	<input type="checkbox"/>		
Credit or debit card	<input checked="" type="checkbox"/>		
BACS transfer	<input type="checkbox"/>	BACS reference number	<input type="text" value="PRC"/>

2 Applicant and agent details

This is the individual or organisation any resulting licence will be issued to, and must be a legal entity. If you are an agent acting on behalf of an applicant, provide their details here and yours in section 2.2.

2.1 Applicant details

Individual	<input type="checkbox"/>	Public body	<input type="checkbox"/>
Registered company	<input checked="" type="checkbox"/>	Organisation or group of individuals	<input type="checkbox"/>
Other	<input type="checkbox"/>	If 'Other', please specify	<input type="text"/>
Title	<input type="text"/> <input type="text"/>		

First name	
Last name	
Company, charity, body, or trading name (if relevant)	Mansel Davies & Son Limited
Registered company or charity number (if relevant)	00812036
Address	Station Yard
	Llanfyrnach
	Pembrokeshire
Postcode	SA35 0BZ
Telephone - mobile	
Telephone - office	01239 831631
Email address	Stephen@manseldavies.co.uk

We will contact you by email unless you tick here. ☐

2.2 Agent details

This is who we will correspond with unless otherwise informed. If you are an agent applying on behalf of an applicant, please include a letter of authorisation from the applicant allowing you to act as signatory, and provide a reference for this document in the box below.

Document reference	MD Auth Let	
Title	Ms	
First name	Tamsin	
Last name	Morey	
Company or trading name	Envireau Water	
Position in company	Principal Water Resources Specialist	
Address	Envireau Water	
	Cedars Farm Barn, Market Street	

	Draycott
	Derbyshire
Postcode	DE72 3NB
Telephone - mobile	07976 168997
Telephone - office	01332 871882
Email address	tamsin@envireauwater.co.uk

We will contact you by email unless you tick here. ☐

2.3 Site operation contact

Please specify who we should contact with regard to your site operation.

Applicant	<input checked="" type="checkbox"/>	
Agent	<input type="checkbox"/>	
Other	<input type="checkbox"/>	Please provide contact details for the operational contact on a separate referenced document, and tell us this reference below.
Document reference	<input type="text"/>	

2.4 Abstraction invoices and records contact

Please specify who we should contact for invoices and abstraction records (returns). Please note that these may not be not required for transfer licences.

Invoice address

Applicant	<input checked="" type="checkbox"/>	
Agent	<input type="checkbox"/>	
Other	<input type="checkbox"/>	Please provide contact details for the operational contact on a separate referenced document, and tell us this reference below.
Document reference	<input type="text"/>	

Abstraction records

Applicant	<input checked="" type="checkbox"/>	
Agent	<input type="checkbox"/>	
Other	<input type="checkbox"/>	Please provide contact details for the operational contact on a separate referenced document, and tell us this reference below.
Document reference	<input type="text"/>	

3. Site name

3.1 Please provide the site name below:

Site name	Station Yard
-----------	--------------

4. Entitlement to apply

4.1 Have you abstracted water between 01 January 2011 and 31 December 2017 for the activity which you are applying to be licensed?

Yes ☒

No ☐ Please see our water abstraction and impounding webpage for further information on the correct application forms.

4.2 What is your connection to the land where the abstraction takes place?

Please provide a map outlining your land ownership/occupation and include all abstractions and discharges where relevant.

Owner ☒

Occupier ☐

Document reference

Figure 1

4.3 Do you have a legal right of access to the land where the abstraction takes place?

No ☐

Yes ☒ Please provide further detail in the box below. If necessary continue on a separate referenced document, and tell us this reference.

Document reference

Figure 1

Mansel Davies & Son Ltd has the right of access to the land at the Site as outlined in red on Figure 1 as the owners of the land.

5. Existing licence number(s)

If you are applying to change an existing licence please provide the licence number below.

Licence number(s)

6. Cross border applications

As part of your site operation do you also abstract for a previously exempt activity in England?

No ☒

Yes ☐ Please provide detail of this cross border application in the box below. If possible, provide a reference or application number, or name of an Environment Agency contact with whom the application has been discussed.

Continue on a separate referenced sheet if necessary and tell us the reference for this document.

Document reference

--

7. Abstraction details

7.1 Site map

Please provide a map with details of the location(s) you abstract water from (points reaches, or areas). Tell us the reference for this map, below.

Site map reference

Figure 1

7.2 Please tell us details about the location(s) you abstract water from (points reaches, or areas) in the tables below.

The abstraction location, name, or reference must be the same as those used on the site map, in question 7.1. If you need more space, please continue on a separate referenced sheet if necessary and tell us the reference for this document

Document reference

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Table 7. 1 - Surface water abstractions						
Abstraction location name or reference (As labelled on the site map)	Type of location (single point, reach, area)	Source of Supply	First National Grid Reference (12 digits)	Second National Grid Reference (12 digits)	Third National Grid Reference (12 digits)	Fourth National Grid Reference (12 digits)

If necessary, continue on a separate sheet and tell us the reference for this document.

Document reference(s)

Table 7. 2 Ground water abstractions										
Abstraction location name or reference (as labelled on map)	Source of Supply	National Grid Reference (12 digit)	Overall depth (metres)	Maximum diameter (millimetres) or area of excavation (square metres)	Screened section (metres below ground level)	Drift geology	Solid geology	Rest pump water level	Pumped water level	Pump Depth
A	Borehole	SN 22299 31236	50	200mm	114mm solid to ~10mbgl	N/A	Nantmel Mudstones	~5mbgl	Unknown	45mbgl
B	Borehole	SN 22406 31180	60	200mm	Then slotted to base	N/A	Nantmel Mudstones	~8mbgl	Unknown	55mbgl
					*Both holes same					
					construction					

If necessary, continue on a separate sheet and tell us the reference for this document.

Document reference(s)

8. Abstraction history and evidence

8.1 Please complete table 8.1 to document that the abstraction(s) and transfer(s) has or have been taking place during the qualifying period.

If necessary, continue on a separate sheet and tell us the reference for this document.

Document reference(s)

MD Historical Water Usage.xlsx

Year	Abstraction location name or reference (as labelled on map)	Purpose(s) water used for	Period of abstraction	Maximum quantities abstracted						Means of measurement, or assessment of abstracted quantities	Are these the maximum quantities of water you wish to have licensed? (Yes or No)
			All year, or months, or days (provide specific dates)	Year (cubic metres)	Day (cubic metres)	Hour (cubic metres)	Peak instantaneous flow rate (litres per second)	Maximum number of hours of abstraction per day	Please indicate whether volume is actual (A) or estimated (E)		
01 January 2011 to 31 December 2011	A	Vehicle Washdown	All Year	3900	12.5	1.8	0.5	7	E	See Continuation Sheet	YES
	B	Vehicle Washdown	All Year	1092	3.5	1.8	0.5	2	E	See Continuation Sheet	NO
01 January 2012 to 31 December 2012	A	Vehicle Washdown	All Year	3900	12.5	1.8	0.5	7	E	See Continuation Sheet	YES
	B	Vehicle Washdown	All Year	1092	3.5	1.8	0.5	2	E	See Continuation Sheet	NO
01 January 2013 to 31 December 2013	A	Vehicle Washdown	All Year	3900	12.5	1.8	0.5	7	E	See Continuation Sheet	YES
	B	Vehicle Washdown	All Year	1092	3.5	1.8	0.5	2	E	See Continuation Sheet	NO
01 January 2014 to 31 December 2014	A	Vehicle Washdown	All Year	3900	12.5	1.8	0.5	7	E	See Continuation Sheet	YES
	B	Vehicle Washdown	All Year	1092	3.5	1.8	0.5	2	E	See Continuation Sheet	NO
01 January 2015 to 31 December 2015	A	Vehicle Washdown	All Year	3900	12.5	1.8	0.5	7	E	See Continuation Sheet	YES
	B	Vehicle Washdown	All Year	1092	3.5	1.8	0.5	2	E	See Continuation Sheet	NO
01 January 2016 to 31 December 2016	A	Vehicle Washdown	All Year	1716	5.5	1.8	0.5	3	E	See Continuation Sheet	NO
	B	Vehicle Washdown	All Year	5460	17.5	1.8	0.5	10	E	See Continuation Sheet	YES
01 January 2017 to 31 December 2017	A	Vehicle Washdown	All Year	1716	5.5	1.8	0.5	3	E	See Continuation Sheet	NO
	B	Vehicle Washdown	All Year	5460	17.5	1.8	0.5	10	E	See Continuation Sheet	YES

8.2 Please complete the table below if you wish a lesser quantity of water to be licensed than that detailed in table 8.1.

If necessary, continue on a separate sheet and provide a reference for this document.

Document reference

Table 8.2							
Abstraction location name or reference (as labelled on map)	Purpose water is used for	Abstraction period	Maximum annual abstraction volume (cubic metres)	Maximum daily abstraction volume (cubic metres)	Maximum hourly abstraction volume (cubic metres)	Maximum number of hours of abstraction per day	Peak abstraction rate (litres per second)

8.3 Do you wish your abstracted quantities to be aggregated?

You can aggregate:

- i) across some or all of the abstraction points, or reaches, or areas listed above.
- ii) with other abstractions you wish to have licensed through the transitional process.
- iii) abstractions you need to have licensed through the standard licensing process.
- iv) with existing licences you hold.

No ☒

Yes ☐ Provide details of any proposed aggregation in the box below. If necessary, continue on a separate sheet and provide a reference for this document.

Document reference

8.4 Please provide a detailed description of how the abstraction(s) has/have taken place

Use the box below to tell us about your abstraction(s). The description should include the following:

- A diagram or schematic of how the activity has been undertaken, using your abstraction point references and including any discharge points
- Details of the structure and equipment involved in the abstraction. This should include dimensions.
- Details of your means of measurement or assessment of abstraction quantities method

If necessary, continue on a separate sheet and tell us the reference for this document.

Document reference

MD CONT SHEET and Figure 2

8.5 Please list the evidence you are providing to support your application

Use the box below. The evidence should demonstrate the following:

- That abstraction has taken place at some time during the seven year qualifying period.
- The quantities of water you have abstracted during the qualifying period. For example, records of meter readings, or cropping plans.

If necessary, continue on a separate sheet and provide a reference for this document.

Document reference

MD Historical Water Usage.xlsx & MD CONT SHEET

9. Discharge details

9.1 Please provide details on any discharge of abstracted water in table 9.1 below and on the map used to show abstraction locations.

If necessary, continue a separate sheet and provide a reference for this document.

Document reference

Figure 1

Table 9.1 - Details of any discharge of abstracted water			
Discharge location name or reference (as labelled on map)	National Grid Reference of discharge point (12 digit)	Total volume discharged (cubic metres)	Environmental Permit number for Water Discharge Activity number (if applicable)
Dwr Cymru Wastewater Discharge Permit. See Figure 1	SN 22258 31192	10	See Continuation Sheet
Natural Resources Wales Wastewater Discharge Permit. See Figure 1	SN 22257 31317	10	See Continuation Sheet

9.2 Please provide a description of discharge structures and equipment

As per consents/permits

If necessary, continue a separate sheet and provide a reference for this document.

Document reference

10. Eel considerations

Does your abstraction include measures to safeguard eels?

No ☒

Yes ☐ Provide details below

11. Trickle Irrigation

If you are applying to licence a trickle irrigation abstraction, do you wish to apply for a Two-Part Tariff agreement with your application?

No ☒

Yes ☐ We will contact you during determination of your application to arrange this agreement.

12. Planned abstractions

12.1 Do you expect to increase the current rate of abstraction for the activity you are applying to have licensed from 01 January 2018 onwards or to carry out further new abstractions (both termed 'planned' abstractions) at this site in the future?

No ☒

Yes ☐

12.2 Have you submitted a licence application (s) for any planned abstraction(s) as a result of the Water Act 2003 changes?

No ☒

Yes ☐ Provide a reference number if you have already submitted an application(s) to cover any planned abstractions.

Document reference

13. Other abstractions

Please provide details of any other abstraction(s) (licensed or exempt) that are associated with this application in table 13.1 below.

Table 13.1 - Details of any other abstraction(s) (licensed or exempt) that are associated with this application					
National Grid Reference (12 digit) of where you abstract water	Source name and type	Purpose of abstraction	Where do you use the water?	When do you abstract the water?	Is this a pending application, or already licensed? Please provide the application or licence number as appropriate

14. Planning permission

Complete table 14.1 below and provide details of any planning permissions or advice associated with the abstraction you are applying to have licensed where relevant. Provide a copy of any permissions or advice, providing a reference for this document below.

Document reference

Table 14.1 – Planning permission

Abstraction location name or reference (as labelled on map)	Is planning permission needed, Yes or No?	Planning permission status (if required)	Have you received any planning advice for the abstraction?

15. Environmental impact assessment(EIA)

Does your application require an EIA under The Water Resources (Environmental Impact Assessment) (England and Wales) Regulations 2003 (as amended)

No ☒

Yes ☐ Please provide a copy of your environmental impact assessment; provide a reference for this assessment below.

Document reference

16. Licence duration

Tell us when you wish your abstraction licence to end

Normally abstraction licences are granted for between 6 and 18 years in line with the catchment licence common end date. If you require a shorter or longer duration licence, please provide details and your justification in the box below.

If necessary, continue a separate sheet and provide a reference for this document.

Document reference

17 Declaration and data protection and commercial confidentiality

Data protection:

Please read the guidance carefully for details on who can sign this section and note the information relating to the Data Protection Act 1998, our Public Register and exclusions.

Commercial confidentiality:

Do you think your application should be confidential, and that information should not be placed on the public register?

No ☒

Yes ☐ You must send us supporting information to tell us why. Use the box below or a separate sheet, and tell us the reference you have given this document.

Document reference

Declaration:

By signing below, you are declaring that as far as you know and believe the information given in this form, on any map and in any supporting or additional information is true.

A printed name in the 'signature' response box will be treated as the equivalent of an electronic signature.

Title

Ms

First name

Tamsin

Last name

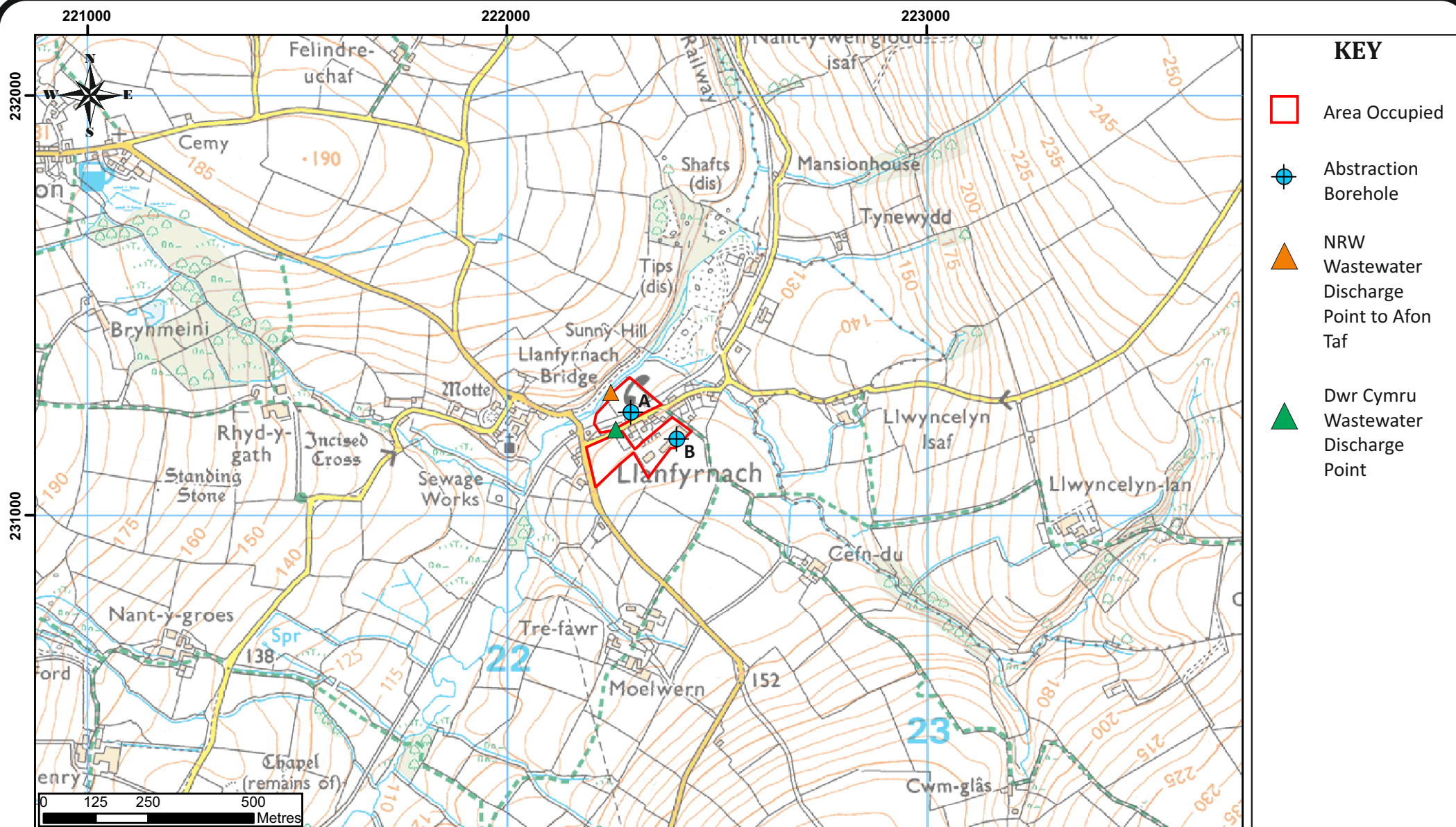
Morey

Position

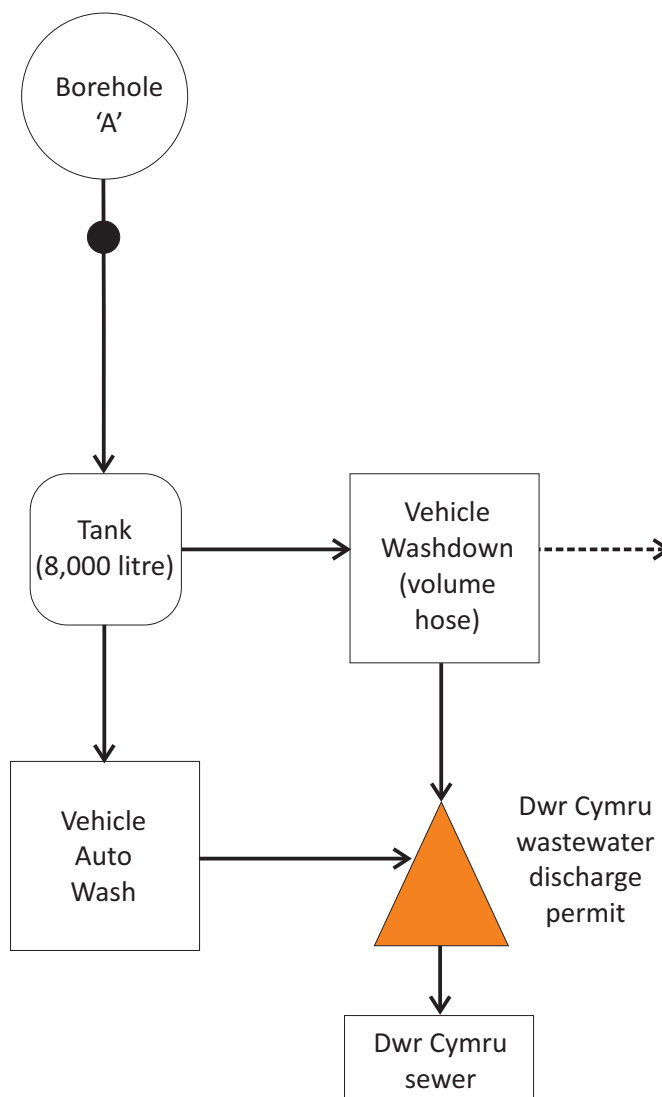
Principal Water Resources Specialist

Today's date

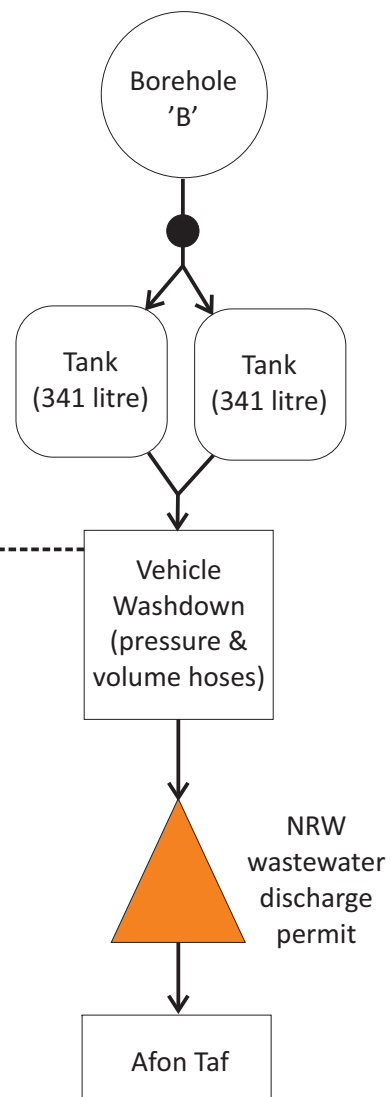
19/08/2019



Bottom Yard



Top Yard



KEY

- Full licence required
- ▲ Wastewater Discharge permit

THE WATER RESOURCES (TRANSITIONAL PROVISIONS) REGULATIONS 2017

APPLICATION FOR A NEW GROUNDWATER ABSTRACTION LICENCE FOR BOREHOLES AT STATION YARD, LLANFYRNACH

Continuation Sheet

Overview/Background

Mansel Davies & Son Ltd are the largest milk haulier in Wales, collecting 1.5 million litres of milk from over 450 farms each day, and distributing it throughout the UK. The business also services the local animal feed industry, running a fleet of animal feed bulk blowers, and tipplers which supply the raw materials for animal feeds as well as other materials. They work with local authorities to deliver food waste to anaerobic digesters and they also offer a complete bulk lime spreading service for the agricultural and farming industry.



Station Yard, Llanfyrnach is the operating premises for the business and central hub for a fleet of haulage trucks which are stored and cleaned at the site on a daily basis. Station Yard covers approximately 2.7 hectares and is split into two separate yard areas: the 'Bottom yard' and the 'Top yard'.

Abstraction takes place from two boreholes (A and B on Figure 1) and has previously been exempt from licencing through the groundwater geographically exempt areas exemption.

This application covers groundwater abstraction from 'Station Yard' Points A and B.

Form WRH, Section 8.4 – Please provide a detailed description of how the abstraction has taken place

Water distribution and storage

Water is abstracted from two boreholes (Points A and B) and used within the red line boundary presented on Figure 1.

Point A is used for the washdown of haulage trucks at the bottom yard and Point B is used for washdown at the top yard. A usage schematic for the boreholes is presented on Figure 2.

Point A

Between 2010 - 2015 abstracted water was used to feed a vehicle autowash (Wickham JetCleanse) at the bottom yard area of the site.



The autowash is fed from an 8,000 litre capacity tank, filled from Point A with abstraction controlled by a float switch in the tank. Use of the autowash ceased in 2016 due to breakdown.



Since 2016, water abstracted from Point A into the tank, has been used for volume hose washing down of trucks, and more trucks have been washed on the top yard.

Wastewater from vehicle washdown at the bottom yard area is discharged to the local sewer system under a Dwr Cymru discharge permit.

Point B

Water is abstracted from Point B and used for pressure and volume hose washing down of trucks at the top yard area of the site.



Two 75 gallon (341 litre) tanks are filled from Point B with abstraction controlled by float switches in the tanks. Washdown takes place from the tanks.

Wastewater from vehicle washdown at the top yard area is discharged to the Afon Taf under a Natural Resources Wales discharge permit.



Method and measurement of abstraction

The pumps installed at A and B are both Caprari E4XP30/21 with a capacity of 0.5l/s (1.8m³/hour).

There are no flow meters installed on the boreholes.

*Assessment of water requirement*

Historical usage volumes have been calculated from equipment specification and site estimated usage based on operational procedure. The historical usage volumes are presented in 'MD Historical Water Usage.xlsx' Excel workbook which accompanies this application.

- Vehicle washdown (Point A - Bottom yard area)

Between 2010 – 2015 abstracted water was used to feed an in-bay vehicle autowash (Wickham JetCleanse). Approximately 25 trucks were washed down per day, 6 days a week, all year round. The JetCleanse uses approximately 500 litres of water per wash (excluding water recycling). The flow rate specification of the autowash and number of vehicles washed per day has been used to estimate annual use.

Between 2016 - 2017 approximately 5 trucks were washed down 6 days a week, all year round using a volume hose (110l/min). Flow rate and normal wash duration have been used to estimate annual use.

- Vehicle washdown (Point B - Top yard area)

While the autowash was operational 5 trucks were washed down 6 days a week, all year round using a combination of a volume hose (110l/min) and mobile pressure washers (10l/min).

Between 2016 - 2017 approximately 25 trucks were washed down 6 days a week, all year round using a combination of a volume hose and mobile pressure washers (as above). Flow rate and normal wash duration have been used to estimate annual use.

Form WRH, Section 9.1 – Details of any discharge of abstracted water

Two discharge consents / permits are held, one from Natural Resources Wales and one from Dwr Cymru. Reference numbers for the permits could not be located prior to submission.

The majority of water abstracted is discharged via the two permits held. However, at times of peak use, some is collected and tankered off site for disposal to ensure compliance.

Envireau Water
20/08/2019

AUTOWASH FLOW RATE

Tamsin Morey

From: Michael Underwood <MichaelUnderwood@envireauwater.co.uk>
Sent: 11 July 2019 10:58
To: Simon Reynolds
Cc: Tamsin Morey
Subject: RE: Jetcleanse

Hi Simon,

Thanks for getting in touch about the Jet Cleanse and providing a flow value, its much appreciated.

Many thanks and kind regards,

Michael

Michael Underwood MSc MCIWEM
Hydrologist

Direct: 01332 871 876
Mobile: 07834 731 112

Keep up to date with Envireau Water:

www.envireauwater.co.uk



From: Simon Reynolds <simonr@wickhamg.co.uk>
Sent: 10 July 2019 16:50
To: Michael Underwood <MichaelUnderwood@envireauwater.co.uk>
Cc: Michael Palmer <michaelpalmer@wilcomatic.co.uk>
Subject: Jetcleanse

Hello Michael,

The jetcleanse will use about 500 litres per wash without any recycling

I hope that is useful for now

Kind regards

Simon Reynolds
Wickham Gensol

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