

Diamond

sewage treatment plant



(DMS/DMS-IPC/DMC)

Maintenance Log Book



Thank you for choosing the WPL Limited Diamond domestic wastewater treatment system.

This log book is designed to record the regular 6 monthly maintenance as mentioned in the User Guide Operation & Maintenance manual, in order to maintain the performance of the plant and prevent problems.

The Diamond has been designed for simple tank and blower maintenance, which should be undertaken by WPL Limited's Service Team, or any other British Water Accredited, Qualified Service Engineer. Please contact WPL Limited on 023 9224 5404 to arrange a service call, or see below for Service Package options.

WPL Limited recommend that you keep this log book in a safe place and that it is kept on the premises where the Diamond is installed for easy reference. Replacement log books are available by calling WPL Limited on 023 9224 5404.

WPL LIMITED SERVICE PACKAGES AND SPARE PARTS

The WPL Service Team has been awarded the "Qualified Service Engineer" accreditation by British Water and delivers high quality service to its customers. Our service packages comprise an all-year preventative maintenance service plan to provide total peace of mind.

The Service Package includes the following:

- 6 Monthly inspection and rectification of faults
- Full compressor maintenance in accordance with manufacturer's specifications
- Full inspection, maintenance and tuning of air distribution system
- Replace worn parts as required
- Advice on plant operation and system de-sludge frequency
- Advice on effluent sampling

Please contact the WPL Service and Spares Department direct on 023 9224 5404 for prices and information.

Maintenance Log Book - date started / / 20.....

CUSTOMER DETAILS

Name
Address1
Address2
Address3
Address4
Post Code

SERIAL NUMBER
(this can be found under the Diamond lid)

DIAMOND MODEL (please circle your model below)

DMS2 OR DMS2IPC (1 to 6)	DMS3 OR DMS3IPC (5 to 11)	DMS4 OR DMS4IPC (10 to 15)	DMS5 OR DMS5IPC (14 to 20)
DMC6 (21 to 27)	DMC7 (28 to 35)	DMC8 (36 to 45)	DMC9 (46 to 55)

PURCHASE AND INSTALLATION DETAILS

Purchase Date / / 20.....
Installation Date / / 20.....
Commissioning Date / / 20..... (if different)

Installer/Contractor

Name
Address1
Address2
Address3
Address4
Postcode
Telephone

Today's date / / 20 **6 MONTHS**
Last de-sludge date / / 20

The following service/contractor check list is designed to ensure the system is properly maintained throughout its life as mentioned in Section 2, in the **User Guide Operation & Maintenance Manual**. Please ensure your British Water Accredited, Qualified Service Engineer ticks each box below once each item has been completed, and comments on unusual conditions and subsequent remedial action taken, on the page opposite.

AIR BLOWER & KIOSK	tick	14. Remove rags/fat	
1. Air Blower noise (lid on/off)		15. Air distribution pipework	
2. Air blower temp (37-40° C max)		16. Air diffuser condition	
3. Renew Rotary Vanes on DMCs (annually)		17. Settlement test below 70% sludge (Mixed Liquors Suspended Solids)	
4. Renew diaphragms (annually)		CLARIFYING CHAMBER	tick
5. Air filter condition/cleanliness		18. Move scum to aeration chamber	
6. Kiosk secure/dry/clean		INTEGRAL PUMP CHAMBER	tick
7. Kiosk venting		19. Clean pump chamber	
8. Hose connection/condition		20. Operation of pump	
9. Electrical connections		21. Check non-return valve works	
AERATION CHAMBER	tick	22. Check high level float & beacon	
10. Plant lid secure		OUTLET WEIR	tick
11. Odour		23. Outlet weir condition	
12. Aeration turbulence		SAMPLE CHAMBER	tick
13. Liquor colour (brown)		24. Sample colour/clarity	

WPL SERVICE CONTRACT NUMBER (if applicable) SCN:

SERVICE CONTRACTOR DETAILS/OR STAMP

Name
 Address1
 Address2
 Address3
 Postcode

Engineer's Signature

Print Name

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NOTES PAGE

**Please document any unusual conditions observed
and any remedial actions taken**

Today's date / / 20 **12 MONTHS**
Last de-sludge date / / 20

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AERATION CHAMBER	tick	22. Check high level float & beacon	
10. Plant lid secure		OUTLET WEIR	tick
11. Odour		23. Outlet weir condition	
12. Aeration turbulence		SAMPLE CHAMBER	tick
13. Liquor colour (brown)		24. Sample colour/clarity	

WPL SERVICE CONTRACT NUMBER (if applicable) SCN:

SERVICE CONTRACTOR DETAILS/OR STAMP

Name
 Address1
 Address2
 Address3
 Postcode

Engineer's Signature **Print Name**

NOTES PAGE

**Please document any unusual conditions observed
and any remedial actions taken**

Today's date / / 20 **18 MONTHS**

Last de-sludge date / / 20

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12. Aeration turbulence		SAMPLE CHAMBER	tick
13. Liquor colour (brown)		24. Sample colour/clarity	

WPL SERVICE CONTRACT NUMBER (if applicable) SCN:

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address1

Address2

Address3

Postcode

Engineer's Signature

Print Name

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NOTES PAGE

**Please document any unusual conditions observed
and any remedial actions taken**

Today's date / / 20..... **24 MONTHS**
Last de-sludge date / / 20.....

The following service/contractor check list is designed to ensure the system is properly maintained throughout its life as mentioned in Section 2, in the **User Guide Operation & Maintenance Manual**. Please ensure your British Water Accredited, Qualified Service Engineer ticks each box below once each item has been completed, and comments on unusual conditions and subsequent remedial action taken, on the page opposite.

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5. Air filter condition/cleanliness		18. Move scum to aeration chamber	
6. Kiosk secure/dry/clean		INTEGRAL PUMP CHAMBER	tick
7. Kiosk venting		19. Clean pump chamber	
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AERATION CHAMBER	tick	22. Check high level float & beacon	
10. Plant lid secure		OUTLET WEIR	tick
11. Odour		23. Outlet weir condition	
12. Aeration turbulence		SAMPLE CHAMBER	tick
13. Liquor colour (brown)		24. Sample colour/clarity	

WPL SERVICE CONTRACT NUMBER (if applicable) SCN:

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address1

Address2

Address3

Postcode

Engineer's Signature

Print Name

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NOTES PAGE

**Please document any unusual conditions observed
and any remedial actions taken**

Today's date / / 20..... **30 MONTHS**
Last de-sludge date / / 20.....

The following service/contractor check list is designed to ensure the system is properly maintained throughout its life as mentioned in Section 2, in the **User Guide Operation & Maintenance Manual**. Please ensure your British Water Accredited, Qualified Service Engineer ticks each box below once each item has been completed, and comments on unusual conditions and subsequent remedial action taken, on the page opposite.

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11. Odour		23. Outlet weir condition	
12. Aeration turbulence		SAMPLE CHAMBER	tick
13. Liquor colour (brown)		24. Sample colour/clarity	

WPL SERVICE CONTRACT NUMBER (if applicable) SCN:

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address1

Address2

Address3

Postcode

Engineer's Signature **Print Name**

NOTES PAGE

**Please document any unusual conditions observed
and any remedial actions taken**

Today's date / / 20..... **36 MONTHS**
Last de-sludge date / / 20.....

The following service/contractor check list is designed to ensure the system is properly maintained throughout its life as mentioned in Section 2, in the **User Guide Operation & Maintenance Manual**. Please ensure your British Water Accredited, Qualified Service Engineer ticks each box below once each item has been completed, and comments on unusual conditions and subsequent remedial action taken, on the page opposite.

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4. Renew diaphragms (annually)		CLARIFYING CHAMBER	tick
5. Air filter condition/cleanliness		18. Move scum to aeration chamber	
6. Kiosk secure/dry/clean		INTEGRAL PUMP CHAMBER	tick
7. Kiosk venting		19. Clean pump chamber	
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10. Plant lid secure		OUTLET WEIR	tick
11. Odour		23. Outlet weir condition	
12. Aeration turbulence		SAMPLE CHAMBER	tick
13. Liquor colour (brown)		24. Sample colour/clarity	

WPL SERVICE CONTRACT NUMBER (if applicable) SCN:

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address1

Address2

Address3

Postcode

Engineer's Signature

Print Name

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NOTES PAGE

**Please document any unusual conditions observed
and any remedial actions taken**

Today's date / / 20..... **42 MONTHS**
Last de-sludge date / / 20.....

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12. Aeration turbulence		SAMPLE CHAMBER	tick
13. Liquor colour (brown)		24. Sample colour/clarity	

WPL SERVICE CONTRACT NUMBER (if applicable) SCN:

SERVICE CONTRACTOR DETAILS/OR STAMP

Name
 Address1
 Address2
 Address3
 Postcode

Engineer's Signature

Print Name

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NOTES PAGE

**Please document any unusual conditions observed
and any remedial actions taken**

Today's date / / 20 **48 MONTHS**
Last de-sludge date / / 20

The following service/contractor check list is designed to ensure the system is properly maintained throughout its life as mentioned in Section 2, in the **User Guide Operation & Maintenance Manual**. Please ensure your British Water Accredited, Qualified Service Engineer ticks each box below once each item has been completed, and comments on unusual conditions and subsequent remedial action taken, on the page opposite.

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WPL SERVICE CONTRACT NUMBER (if applicable) SCN:

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address1

Address2

Address3

Postcode

Engineer's Signature

Print Name

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NOTES PAGE

**Please document any unusual conditions observed
and any remedial actions taken**

Today's date / / 20 **54 MONTHS**
Last de-sludge date / / 20

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11. Odour		23. Outlet weir condition	
12. Aeration turbulence		SAMPLE CHAMBER	tick
13. Liquor colour (brown)		24. Sample colour/clarity	

WPL SERVICE CONTRACT NUMBER (if applicable) SCN:.....

SERVICE CONTRACTOR DETAILS/OR STAMP

Name
 Address1
 Address2
 Address3
 Postcode

Engineer's Signature

Print Name

.....

NOTES PAGE

**Please document any unusual conditions observed
and any remedial actions taken**

Today's date / / 20 **60 MONTHS**
Last de-sludge date / / 20

The following service/contractor check list is designed to ensure the system is properly maintained throughout its life as mentioned in Section 2, in the **User Guide Operation & Maintenance Manual**. Please ensure your British Water Accredited, Qualified Service Engineer ticks each box below once each item has been completed, and comments on unusual conditions and subsequent remedial action taken, on the page opposite.

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WPL SERVICE CONTRACT NUMBER (if applicable) SCN:

SERVICE CONTRACTOR DETAILS/OR STAMP

Name
 Address1
 Address2
 Address3
 Postcode

Engineer's Signature **Print Name**

NOTES PAGE

**Please document any unusual conditions observed
and any remedial actions taken**

***(*PLEASE ORDER A NEW MAINTENANCE LOG BOOK
FROM WPL LIMITED ON 023 9224 5404*)***



WPL Limited
Units 1 & 2 Aston Road
Waterlooville
Hampshire PO7 7UX
United Kingdom

Tel: +44 (0)845 450 4818
Fax: +44 (0)23 9224 2624
email: enquiries@wpl.co.uk
www.wpl.co.uk

