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Maintenance Log Book

Diamond Sewage Treatment

DMS and DMS-IPC
DMC

Please note - WPL provides clear instructions on using and maintaining its treatment plants. Consent holders and/or treatment plant users are responsible for correctly operating and maintaining their plant as per the manufacturer's instructions, and keeping a record of periodic maintenance for up to five years.



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

SERVICING AND MAINTENANCE

Since April 2010, the Environment Agency Environmental Permitting Programme (EPP2) requires that all sewage treatment plants are operated and maintained in accordance with the manufacturer's instructions, and that the maintenance is recorded and retained for at least 5 years under the Environmental Permitting Programme EPP2.

WPL Ltd supplies a separate User Guide/Operation and Maintenance Manual which sets out the required periodic maintenance and operating instructions, together with this Maintenance Log Book with each Diamond plant. 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.

The WPL Diamond has been designed for simple tank and blower maintenance and WPL Ltd recommends this maintenance is carried out by a British Water Accredited, Qualified Service Engineer.

It is also important that wastewater sludge from the sewage treatment plant is safely disposed of in an appropriate or controlled manner at the recommended intervals. De-sludging MUST be carried out by an approved tankering company and WPL recommends that de-sludging is arranged with a reputable company in your area.

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 Maintenance Log Books and User Guide/Operation and Maintenance Manuals are available by calling WPL Limited on 0044 23 9224 2600.

WPL LIMITED SPARE PARTS

Please contact the WPL Spares Department on 0044 23 9224 2600 for prices and information.

The Diamond is CE marked, fully type tested and certificated in accordance with the mandatory European standard BS EN12566-3, and meets all current legislation under the Environmental Permitting Programme.

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

CUSTOMER DETAILS

Name
Address 1
Address 2
Address 3
Address 4
Postcode

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

DIAMOND MODEL (please circle your model below)

DMS2 or DMS2-IPC (1 to 6)	DMS3 or DMS3-IPC (5 to 11)	DMS4 or DMS4-IPC (10 to 15)	DMS5 or DMS5-IPC (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
Address 1
Address 2
Address 3
Address 4
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 3, 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. Air distribution pipework	
1. Air Blower noise (lid on/off)		15. Air diffuser condition	
2. Air blower temp (37-40° C max)		16. Settlement test below 70% sludge (Mixed Liquors Suspended Solids)	
3. Check/renew rotary vanes on DMCs		CLARIFYING CHAMBER	tick
4. Air filter condition/cleanliness		17. Move scum to aeration chamber	
5. Kiosk secure/dry/clean		INTEGRAL PUMP CHAMBER (if fitted)	tick
6. Kiosk venting			
7. Hose connection/condition		18. Clean pump chamber	
8. Electrical connections		19. Check operation of pump	
AERATION CHAMBER	tick	20. Check non-return valve works	
9. Plant lid secure		21. Check high level float & beacon	
10. Odour		OUTLET WEIR	tick
11. Aeration turbulence		22. Outlet weir condition	
12. Liquor colour (brown)		SAMPLE CHAMBER (if fitted)	tick
13. Remove rags/fat		23. Sample colour/clarity	

SERVICE CONTRACT NUMBER (if applicable)

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address 1

Address 2

Address 3

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.....

The following service/contractor check list is designed to ensure the system is properly maintained throughout its life as mentioned in Section 3, 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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10. Odour		OUTLET WEIR	tick
11. Aeration turbulence		22. Outlet weir condition	
12. Liquor colour (brown)		SAMPLE CHAMBER (if fitted)	tick
13. Remove rags/fat		23. Sample colour/clarity	

SERVICE CONTRACT NUMBER (if applicable)

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address 1

Address 2

Address 3

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 **18 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 3, 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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1. Air Blower noise (lid on/off)		15. Air distribution pipework	
2. Air blower temp (37-40° C max)		16. Air diffuser condition	
3. Check/renew rotary vanes on DMCs		17. Settlement test below 70% sludge (Mixed Liquors Suspended Solids)	
4. Renew filter valve box diaphragms		CLARIFYING CHAMBER	tick
5. Air filter condition/cleanliness		18. Move scum to aeration chamber	
6. Kiosk secure/dry/clean		INTEGRAL PUMP CHAMBER (if fitted)	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 (if fitted)	tick
13. Liquor colour (brown)		24. Sample colour/clarity	

SERVICE CONTRACT NUMBER (if applicable)

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address 1

Address 2

Address 3

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 3, 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. Air filter condition/cleanliness		17. Move scum to aeration chamber	
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6. Kiosk venting		18. Clean pump chamber	
7. Hose connection/condition		19. Check operation of pump	
8. Electrical connections		20. Check non-return valve works	
AERATION CHAMBER	tick	21. Check high level float & beacon	
9. Plant lid secure		OUTLET WEIR	tick
10. Odour		22. Outlet weir condition	
11. Aeration turbulence		SAMPLE CHAMBER (if fitted)	tick
12. Liquor colour (brown)		23. Sample colour/clarity	
13. Remove rags/fat			

SERVICE CONTRACT NUMBER (if applicable)

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address 1

Address 2

Address 3

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 3, 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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3. Check/renew rotary vanes on DMCs		CLARIFYING CHAMBER	tick
4. Air filter condition/cleanliness		17. Move scum to aeration chamber	
5. Kiosk secure/dry/clean		INTEGRAL PUMP CHAMBER (if fitted)	tick
6. Kiosk venting		18. Clean pump chamber	
7. Hose connection/condition		19. Check operation of pump	
8. Electrical connections		20. Check non-return valve works	
AERATION CHAMBER	tick	21. Check high level float & beacon	
9. Plant lid secure		22. Outlet weir condition	
10. Odour		OUTLET WEIR	tick
11. Aeration turbulence		23. Sample colour/clarity	
12. Liquor colour (brown)		SAMPLE CHAMBER (if fitted)	tick
13. Remove rags/fat			

SERVICE CONTRACT NUMBER (if applicable)

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address 1

Address 2

Address 3

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 **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 3, 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. Check/renew rotary vanes on DMCs		17. Settlement test below 70% sludge (Mixed Liquors Suspended Solids)	
4. Renew filter valve box diaphragms		CLARIFYING CHAMBER	tick
5. Air filter condition/cleanliness		18. Move scum to aeration chamber	
6. Kiosk secure/dry/clean		INTEGRAL PUMP CHAMBER (if fitted)	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 (if fitted)	tick
13. Liquor colour (brown)		24. Sample colour/clarity	

SERVICE CONTRACT NUMBER (if applicable)

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address 1

Address 2

Address 3

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

The following service/contractor check list is designed to ensure the system is properly maintained throughout its life as mentioned in Section 3, 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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3. Check/renew rotary vanes on DMCs		CLARIFYING CHAMBER	tick
4. Air filter condition/cleanliness		17. Move scum to aeration chamber	
5. Kiosk secure/dry/clean		INTEGRAL PUMP CHAMBER (if fitted)	tick
6. Kiosk venting		18. Clean pump chamber	
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8. Electrical connections		20. Check non-return valve works	
AERATION CHAMBER	tick	21. Check high level float & beacon	
9. Plant lid secure		OUTLET WEIR	tick
10. Odour		22. Outlet weir condition	
11. Aeration turbulence		SAMPLE CHAMBER (if fitted)	tick
12. Liquor colour (brown)		23. Sample colour/clarity	
13. Remove rags/fat			

SERVICE CONTRACT NUMBER (if applicable)

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address 1

Address 2

Address 3

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 3, 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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3. Check/renew rotary vanes on DMCs			CLARIFYING CHAMBER
4. Air filter condition/cleanliness		17. Move scum to aeration chamber	
5. Kiosk secure/dry/clean		INTEGRAL PUMP CHAMBER (if fitted)	tick
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AERATION CHAMBER	tick	20. Check non-return valve works	
9. Plant lid secure		21. Check high level float & beacon	
10. Odour		OUTLET WEIR	tick
11. Aeration turbulence		22. Outlet weir condition	
12. Liquor colour (brown)		SAMPLE CHAMBER (if fitted)	tick
13. Remove rags/fat		23. Sample colour/clarity	

SERVICE CONTRACT NUMBER (if applicable)

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address 1

Address 2

Address 3

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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7. Kiosk venting		19. Clean pump chamber	
8. Hose connection/condition		20. Operation of pump	
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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 (if fitted)	tick
13. Liquor colour (brown)		24. Sample colour/clarity	

SERVICE CONTRACT NUMBER (if applicable)

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address 1

Address 2

Address 3

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 **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 3, 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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10. Odour		22. Outlet weir condition	
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12. Liquor colour (brown)		23. Sample colour/clarity	
13. Remove rags/fat			

SERVICE CONTRACT NUMBER (if applicable)

SERVICE CONTRACTOR DETAILS/OR STAMP

Name

Address 1

Address 2

Address 3

Postcode

Engineer's Signature

Print Name

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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 2600***



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

Tel: +44 (0)23 9224 2600
Fax: +44 (0)23 9224 2624

email: enquiries@wpl.co.uk
www.wpl.co.uk

