

ANNUAL RETURN INFORMATION REQUIREMENTS

**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C1: Water Quality Outputs - Compliance**

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Calendar Year -1		Calendar Year	
					2003	CG	2004	CG
<b>Summary</b>							10	
C1.1	Number of determinants taken at customer's tap	-	nr	l			152318	A1
C1.2	Sample determinants failing at customer's tap	-	nr	l			879	A1
C1.3	Number of water supply zones in the Water Authority's supply area	-	nr	l			394	A1
C1.4	Number of zones reporting determinant failure	-	nr	l			257	A1
<b>Specific Parameters Within Water Supply Zones</b>								
C1.5	Number of zones failing for total coliforms	-	nr	l			74	A1
C1.6	Number of zones failing for faecal coliforms	-	nr	l			17	A1
C1.7	Number of zones failing for colour	-	nr	l			76	A1
C1.8	Number of zones failing for turbidity	-	nr	l			9	A1
C1.9	Number of zones failing for hydrogen ion (pH)	-	nr	l			51	A1
C1.10	Number of zones failing for aluminium	-	nr	l			23	A1
C1.11	Number of zones failing for iron	-	nr	l			73	A1
C1.12	Number of zones failing for manganese	-	nr	l			34	A1
C1.13	Number of zones failing for lead	-	nr	l			19	A1
C1.14	Number of zones failing for total trihalomethanes	-	nr	l			71	A1
C1.15	Number of zones failing for all other parameters	-	nr	l			64	A1
<b>Samples Taken for Water Leaving the WTWs</b>								
C1.16	Number of coliform samples taken	-	nr	l			34,524	A1
C1.17	Number of samples with coliform failures	-	nr	l			118	A1
C1.18	Number of samples with faecal coliforms failures	-	nr	l			54	A1
C1.19	Number of WTWs with cryptosporidium positive results	-	nr	l			104	A1
<b>WTWs/Service Reservoirs</b>								
C1.20	Number of untreated supplies	-	nr	l			271	C3
C1.21	Number of WTWs with Authorised Departures in place during the year	-	nr	l			21	A1
C1.22	Number of service reservoirs tested for coliforms	-	nr	l			1111	A1
C1.23	Number of service reservoirs having > 5% of coliform samples failing	-	nr	l			25	A1

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**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C1: Water Quality Outputs - Compliance**

					10
Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Calendar Year 2004
					Comment Necessary Y/N
					Comment
<b>Summary</b>					
C1.1	Number of determinants taken at customer's tap	-	nr	I	N
C1.2	Sample determinants failing at customer's tap	-	nr	I	N
C1.3	Number of water supply zones in the Water Authority's supply area	-	nr	I	N
C1.4	Number of zones reporting determinant failure	-	nr	I	N
<b>Specific Parameters Within Water Supply Zones</b>					
C1.5	Number of zones failing for total coliforms	-	nr	I	N
C1.6	Number of zones failing for faecal coliforms	-	nr	I	N
C1.7	Number of zones failing for colour	-	nr	I	N
C1.8	Number of zones failing for turbidity	-	nr	I	N
C1.9	Number of zones failing for hydrogen ion (pH)	-	nr	I	N
C1.10	Number of zones failing for aluminium	-	nr	I	N
C1.11	Number of zones failing for iron	-	nr	I	N
C1.12	Number of zones failing for manganese	-	nr	I	N
C1.13	Number of zones failing for lead	-	nr	I	N
C1.14	Number of zones failing for total trihalomethanes	-	nr	I	N
C1.15	Number of zones failing for all other parameters	-	nr	C	N
<b>Samples Taken for Water Leaving the WTWs</b>					
C1.16	Number of coliform samples taken	-	nr	I	N
C1.17	Number of samples with coliform failures	-	nr	I	N
C1.18	Number of samples with faecal coliforms failures	-	nr	I	N
C1.19	Number of WTWs with cryptosporidium positive results	-	nr	I	N
<b>WTWs/Service Reservoirs</b>					
C1.20	Number of untreated supplies	-	nr	I	N
C1.21	Number of WTWs subject to temporary derogations	-	nr	I	N
C1.22	Number of service reservoirs tested for coliforms	-	nr	I	N
C1.23	Number of service reservoirs having > 5% of coliform samples failing	-	nr	I	N

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Database under development

ANNUAL RETURN INFORMATION REQUIREMENTS

**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C2: Water Quality Outputs - Asset Performance**

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Calendar Year -1		Calendar Year	
					2003	CG	2004	CG
							10	
<b>Coliforms</b>								
C2.1	No. of WTWs tested for faecal coliforms	-	nr	l			360	A1
C2.2	No. of WTWs where any samples exceed the compliance value	-	nr	l			40	A1
C2.3	Not in use							
C2.4	Not in use							
<b>Trihalomethanes (THMs)</b>								
C2.5	No. of WTWs tested for THMs	-	nr	l			0	A1
C2.6	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			0	A1
C2.7	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			0	A1
C2.8	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			0	A1
<b>Turbidity</b>								
C2.9	No. of WTWs tested for turbidity	-	nr	l			360	A1
C2.10	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			66	A1
C2.11	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			25	A1
C2.12	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			269	A1
<b>Aluminium</b>								
C2.13	No. of WTWs tested for aluminium	-	nr	l			173	A1
C2.14	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			15	A1
C2.15	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			18	A1
C2.16	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			140	A1
<b>Iron</b>								
C2.17	No. of WTWs tested for iron	-	nr	l			174	A1
C2.18	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			10	A1
C2.19	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			6	A1
C2.20	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			158	A1
<b>Manganese</b>								
C2.21	No. of WTWs tested for manganese	-	nr	l			174	A1
C2.22	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			26	A1
C2.23	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			16	A1
C2.24	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			132	A1

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ANNUAL RETURN INFORMATION REQUIREMENTS

**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C2: Water Quality Outputs - Asset Performance**

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<b>Calendar Year 2004</b>

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type
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Comment Necessary	Comment
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Coliforms				
C2.1	No. of WTWs tested for faecal coliforms	-	nr	l
C2.2	No. of WTWs where any samples exceed the compliance value	-	nr	l
C2.3	Not in use			
C2.4	Not in use			

Y/N  
N  
N

Trihalomethanes (THMs)				
C2.5	No. of WTWs tested for THMs	-	nr	l
C2.6	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l
C2.7	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l
C2.8	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l

N  
N  
N  
N

Turbidity				
C2.9	No. of WTWs tested for turbidity	-	nr	l
C2.10	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l
C2.11	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l
C2.12	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l

N  
N  
N  
N

Aluminium				
C2.13	No. of WTWs tested for aluminium	-	nr	l
C2.14	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l
C2.15	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l
C2.16	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l

N  
N  
N  
N

Iron				
C2.17	No. of WTWs tested for iron	-	nr	l
C2.18	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l
C2.19	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l
C2.20	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l

N  
N  
N  
N

Manganese				
C2.21	No. of WTWs tested for manganese	-	nr	l
C2.22	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l
C2.23	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l
C2.24	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l

N  
N  
N  
N

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ANNUAL RETURN INFORMATION REQUIREMENTS

**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C3: New Obligations - Water**

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Report Year -1 2003-04		Report Year 2004-05	
					CG	CG	CG	CG
							10	
<b>Drinking Water Directive (98/83 EC)</b>								
<b>A) Lead pcv = 25 µg/l</b>								
C3.1	Total number of water supply zones subject to undertakings	-	nr	I			41	A2
C3.2	Volume of water delivered subject to undertakings	-	MI/d	I			105.134	A2
C3.3	% of water delivered subject to undertakings	-	%	C	#DIV/0!		7.718	B3
<b>B) Lead pcv = 10 µg/l</b>								
C3.4	Total number of water supply zones subject to undertakings	-	nr	I			0	N
C3.5	Volume of water delivered subject to undertakings	-	MI/d	I			0	N
C3.6	% of water delivered subject to undertakings	-	%	C	#DIV/0!		0.000	N
<b>C) Trihalomethanes pcv = interim</b>								
C3.7	Total number of water supply zones subject to undertakings	-	nr	I			0	N
C3.8	Volume of water delivered subject to undertakings	-	MI/d	I			0	N
C3.9	% of water delivered subject to undertakings	-	%	C	#DIV/0!		0.000	N
<b>D) Trihalomethanes pcv = final</b>								
C3.10	Total number of water supply zones subject to undertakings	-	nr	I			93	A2
C3.11	Volume of water delivered subject to undertakings	-	MI/d	I			72.713	A2
C3.12	% of water delivered subject to undertakings	-	%	C	#DIV/0!		5.338	B3
<b>E) Other parameters</b>								
C3.13	Total number of water supply zones subject to undertakings	-	nr	I			24	A2
C3.14	Volume of water delivered subject to undertakings	-	MI/d	I			356.371	A2
C3.15	% of water delivered subject to undertakings	-	%	C	#DIV/0!		26.162	B3
<b>The Cryptosporidium (New Water and Sewerage Directive) Direction 2000</b>								
C3.16	Number of water supply zones with a risk assessment score > 100 (Cal Yr)	-	nr	I			0	A2
C3.17	Volume of water delivered with a risk assessment score >100 (Cal Yr)	-	MI/d	I			0	A2
C3.18	Number of water supply zones with a risk assessment score between 76 and 100 (Cal Yr)	-	nr	I			18	A2
C3.19	Volume of water delivered with a risk assessment score between 76 and 100 (Cal Yr)	-	MI/d	I			356.540	A2
C3.20	Number of water supply zones with a risk assessment score between 50 and 75 (Cal Yr)	-	nr	I			28	A2
C3.21	Volume of water delivered with a risk assessment score between 50 and 75 (Cal Yr)	-	MI/d	I			41.799	A2
<b>The Cryptosporidium (Scottish Water) Directions 2003</b>								
C3.21a	Number of water supply zones with a risk assessment score > 100 (Cal Yr)	-	nr	I			32	A2
C3.21b	Volume of water delivered with a risk assessment score >100 (Cal Yr)	-	MI/d	I			489.655	A2
C3.21c	Number of water supply zones with a risk assessment score between 50 and 100 (Cal Yr)	-	nr	I			76	A2
C3.21d	Volume of water delivered with a risk assessment score between 50 and 100 (Cal Yr)	-	MI/d	I			595.861	A2
C3.21e	Number of water supply zones with a risk assessment score < 50 (Cal Yr)	-	nr	I			264	A2
C3.21f	Volume of water delivered with a risk assessment score < 50 (Cal Yr)	-	MI/d	I			1266.325	A2
C3.22	Not in use							
C3.23	Not in use							
C3.24	Not in use							
C3.25	Not in use							
C3.26	Not in use							
C3.27	Not in use							
C3.28	Not in use							
C3.29	Not in use							
C3.30	Not in use							
<b>The Abstraction Directive</b>								
C3.31	Total number of river abstractions	-	nr	I			0	N
C3.32	Number of abstractions identified for programmes of action	-	nr	I			0	N
C3.33	Number of abstractions where programmes of action implemented	-	nr	I			0	N
<b>The Birds Directive, The Habitats Directive</b>								
C3.34	Total number of sites identified requiring authority action	-	nr	I			0	N
C3.35	Number of sites where studies or programmes of action planned	-	nr	I			0	N
C3.36	Number of sites where studies or programmes of action completed	-	nr	I			0	N

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## ANNUAL RETURN INFORMATION REQUIREMENTS

**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C4: Wastewater Quality Outputs - Compliance**

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Calendar Year 1		Calendar Year	
					2003	CG	2004	CG
							10	
<b>Sewage Treatment Works</b>								
<b>A) All Discharges</b>								
C4.1	Total consented discharges at year end	-	nr	l			1494	B2
C4.2	Total discharges sampled in year	-	nr	l			784	B2
C4.3	Number of discharges compliant	-	nr	l			1431	B2
<b>B) Look-up Table Lower Tier Consents</b>								
C4.4	Total consented discharges at year end	-	nr	l			754	B2
C4.5	Total discharges sampled in year	-	nr	l			627	B2
C4.6	Number of discharges compliant	-	nr	l			724	B2
<b>C) Upper Tier Consents</b>								
C4.7	Total consented discharges at year end	-	nr	l			754	B2
C4.8	Total discharges sampled in year	-	nr	l			627	B2
C4.9	Number of discharges compliant	-	nr	l			715	B2
<b>D) Single Tier Consents</b>								
C4.10	Total consented discharges at year end	-	nr	l			473	B2
C4.11	Total discharges sampled in year	-	nr	l			83	B2
C4.12	Number of discharges compliant	-	nr	l			466	B2
<b>E) Absolute non Sanitary Consents</b>								
C4.13	Total consented discharges at year end	-	nr	l			9	B2
C4.14	Total discharges sampled in year	-	nr	l			6	B2
C4.15	Number of discharges compliant	-	nr	l			8	B2
<b>F) Non-numeric Consent</b>								
C4.16	Total consented discharges at year end	-	nr	l			258	B2
C4.17	Total discharges sampled in year	-	nr	l			68	B2
C4.18	Number of discharges compliant	-	nr	l			258	B2
<b>G) Discharges confirmed as failing</b>								
C4.19	Number of discharges confirmed as failing	-	nr	l			63	B2
C4.20	Total population equivalent confirmed as failing	-	pe	l			1218623	B3
C4.21	Percentage population equivalent confirmed as failing	-	%	l			16.53	B2
<b>H) Pollution incidents</b>								
C4.22	Category 1	-	nr	l			0	N
C4.23	Category 2	-	nr	l			0	N
C4.24	Category 3	-	nr	l			0	N

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ANNUAL RETURN INFORMATION REQUIREMENTS

**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C4: Wastewater Quality Outputs - Compliance**

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<b>Calendar Year 2004</b>

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type
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<b>Comment Necessary</b>	<b>Comment</b>
Y/N	

Sewage Treatment Works				
A) All Discharges				
C4.1	Total consented discharges at year end	-	nr	l
C4.2	Total discharges sampled in year	-	nr	l
C4.3	Number of discharges compliant	-	nr	l
B) Look-up Table Lower Tier Consents				
C4.4	Total consented discharges at year end	-	nr	l
C4.5	Total discharges sampled in year	-	nr	l
C4.6	Number of discharges compliant	-	nr	l
C) Upper Tier Consents				
C4.7	Total consented discharges at year end	-	nr	l
C4.8	Total discharges sampled in year	-	nr	l
C4.9	Number of discharges compliant	-	nr	l
D) Single Tier Consents				
C4.10	Total consented discharges at year end	-	nr	l
C4.11	Total discharges sampled in year	-	nr	l
C4.12	Number of discharges compliant	-	nr	l
E) Absolute non Sanitary Consents				
C4.13	Total consented discharges at year end	-	nr	l
C4.14	Total discharges sampled in year	-	nr	l
C4.15	Number of discharges compliant	-	nr	l
F) Non-numeric Consent				
C4.16	Total consented discharges at year end	-	nr	l
C4.17	Total discharges sampled in year	-	nr	l
C4.18	Number of discharges compliant	-	nr	l
G) Discharges confirmed as failing				
C4.19	Number of discharges confirmed as failing	-	nr	l
C4.20	Total population equivalent confirmed as failing	-	pe	l
C4.21	Percentage population equivalent confirmed as failing	-	%	l
H) Pollution incidents				
C4.22	Category 1	-	nr	l
C4.23	Category 2	-	nr	l
C4.24	Category 3	-	nr	l

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This field will not be completed this year  
This field will not be completed this year  
This field will not be completed this year

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ANNUAL RETURN INFORMATION REQUIREMENTS

**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C5: Wastewater Quality Outputs - Asset Performance**

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Report Year -1 2003-04		Report Year 2004-05	
					CG	CG	CG	CG
<b>BOD</b>							10	
C5.1	Number of sewage treatment works with a numeric BOD consent	-	nr	C	0		0	N
C5.2	Number of sewage treatment works where >= 12 samples taken for BOD	-	nr	I			0	N
C5.3	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I			0	N
C5.4	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I			0	N
C5.5	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I			0	N
<b>Suspended Solids</b>								
C5.6	Number of sewage treatment works with a numeric Suspended Solids consent	-	nr	C	0		0	N
C5.7	Number of sewage treatment works where >= 12 samples taken for Suspended Solids	-	nr	I			0	N
C5.8	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I			0	N
C5.9	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I			0	N
C5.10	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I			0	N
<b>Ammonia</b>								
C5.11	Number of sewage treatment works with a numeric Ammonia consent	-	nr	C	0		0	N
C5.12	Number of sewage treatment works where >= 12 samples taken for Ammonia	-	nr	I			0	N
C5.13	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I			0	N
C5.14	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I			0	N
C5.15	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I			0	N
<b>Phosphate</b>								
C5.16	Number of sewage treatment works with a numeric Phosphate consent	-	nr	C	0		0	N
C5.17	Number of sewage treatment works where >= 12 samples taken for Phosphate	-	nr	I			0	N
C5.18	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I			0	N
C5.19	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I			0	N
C5.20	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I			0	N
<b>Nitrate</b>								
C5.21	Number of sewage treatment works with a numeric Nitrate consent	-	nr	C	0		0	N
C5.22	Number of sewage treatment works where >= 12 samples taken for Nitrate	-	nr	I			0	N
C5.23	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I			0	N
C5.24	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I			0	N
C5.25	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I			0	N

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ANNUAL RETURN INFORMATION REQUIREMENTS

**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C5: Wastewater Quality Outputs - Asset Performance**

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<b>Report Year 2004-05</b>

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type
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Comment Necessary Y/N	Comment
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BOD				
C5.1	Number of sewage treatment works with a numeric BOD consent	-	nr	C
C5.2	Number of sewage treatment works where >= 12 samples taken for BOD	-	nr	I
C5.3	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I
C5.4	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I
C5.5	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I

N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC

Suspended Solids				
C5.6	Number of sewage treatment works with a numeric Suspended Solids consent	-	nr	C
C5.7	Number of sewage treatment works where >= 12 samples taken for Suspended Solids	-	nr	I
C5.8	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I
C5.9	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I
C5.10	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I

N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC

Ammonia				
C5.11	Number of sewage treatment works with a numeric Ammonia consent	-	nr	C
C5.12	Number of sewage treatment works where >= 12 samples taken for Ammonia	-	nr	I
C5.13	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I
C5.14	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I
C5.15	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I

N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC

Phosphate				
C5.16	Number of sewage treatment works with a numeric Phosphate consent	-	nr	C
C5.17	Number of sewage treatment works where >= 12 samples taken for Phosphate	-	nr	I
C5.18	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I
C5.19	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I
C5.20	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I

N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC

Nitrate				
C5.21	Number of sewage treatment works with a numeric Nitrate consent	-	nr	C
C5.22	Number of sewage treatment works where >= 12 samples taken for Nitrate	-	nr	I
C5.23	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I
C5.24	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I
C5.25	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I

N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC
N	Not entered as agreed with WIC

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ANNUAL RETURN INFORMATION REQUIREMENTS

**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C6: Wastewater Quality Outputs - New Obligations**

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Report Year -1		Report Year	
					2003-04	CG	2004-05	CG
							10	
<b>Driver WQ1: Control of Pollution Act 1974 S34</b>								
<b>A) Sewage Treatment Works upgrading</b>								
C6.1	Total number of sewage treatment works subject to improvement works	-	nr	I			65	B2
C6.2	Population equivalent subject to improvement works	-	000s	I			266.209	B2
C6.3	% of total population equivalent subject to improvement works	-	%	I			3.63	B2
<b>B) Sewerage system upgrading</b>								
C6.4	Total number of sewerage schemes subject to improvement works	-	nr	I			3	B2
C6.5	Population equivalent subject to improvement works	-	000s	I			0.101	B2
C6.6	% of total population equivalent subject to improvement works	-	%	I			0	B2
<b>Driver WQ2: Improvements to poor or seriously polluted waters</b>								
<b>C) Sewage Treatment Works Discharge Improvements</b>								
C6.7	Total number of sewage treatment works subject to improvement works	-	nr	I			23	B2
C6.8	Population equivalent subject to improvement works	-	000s	I			87.805	B2
C6.9	% of total population equivalent subject to improvement works	-	%	I			1.19	B2
<b>D) CSO Discharge Improvements</b>								
C6.10	Total number of CSOs subject to improvement works	-	nr	I			69	B2
<b>E) Surface Water Discharges/ Industrial Estates</b>								
C6.11	Total number of discharges subject to improvement works	-	nr	I			0	A2
C6.12	Population equivalent subject to improvement works	-	000s	I			0	A2
C6.13	% of total population equivalent subject to improvement works	-	%	I			0	A2
<b>F) First Time Sewerage of Coastal and Inland Villages</b>								
C6.14	Total number of villages subject to improvement works	-	nr	I			3	B2
C6.15	Population equivalent subject to improvement works	-	000s	I			0.103	B2
C6.16	% of total population equivalent subject to improvement works	-	%	I			0	B2
<b>Driver WQ3: Protection of Risk</b>								
<b>G) Recreation and non-identified Coastal Waters</b>								
C6.17	Total number of discharges subject to improvement works	-	nr	I			6	B2
C6.18	Population equivalent subject to improvement works	-	000s	I			12.539	B2
C6.19	% of total population equivalent subject to improvement works	-	%	I			0.17	B2
<b>H) Phosphorus Control</b>								
C6.20	Total number of sewage treatment works subject to improvement works	-	nr	I			11	B2
C6.21	Population equivalent subject to improvement works	-	000s	I			43.383	B2
C6.22	% of total population equivalent subject to improvement works	-	%	I			0.59	B2
<b>Driver EC1: UWWTD Directive</b>								
<b>I) Inland Waters - CSOs (intermittent discharges)</b>								
C6.23	Total number of combined sewerage overflows subject to improvement works	-	nr	I			103	B2
<b>J) Inland Waters - Sewage Treatment (continuous discharges)</b>								
C6.24	Total number of sewage treatment works subject to improvement works	-	nr	I			81	B2
C6.25	Population equivalent subject to improvement works	-	000s	I			189.91	B2
C6.26	% of total population equivalent subject to improvement works	-	%	I			2.59	B2
<b>K) Coastal Waters - CSOs (intermittent discharges)</b>								
C6.27	Total number of combined sewerage overflows subject to improvement works	-	nr	I			16	B2
<b>L) Coastal Waters - Sewage Treatment (continuous discharges)</b>								
C6.28	Total number of sewage treatment works subject to improvement works	-	nr	I			20	B2
C6.29	Population equivalent subject to improvement works	-	000s	I			8.578	B2
C6.30	% of total population equivalent subject to improvement works	-	%	I			0.12	B2
<b>M) Estuarial Waters - CSOs (intermittent discharges)</b>								
C6.31	Total number of combined sewerage overflows subject to improvement works	-	nr	I			17	B2
<b>N) Estuarial Waters - Sewage Treatment (continuous discharges)</b>								
C6.32	Total number of sewage treatment works subject to improvement works	-	nr	I			4	B2
C6.33	Population equivalent subject to improvement works	-	000s	I			70.886	B2
C6.34	% of total population equivalent subject to improvement works	-	%	I			0.96	B2
<b>Driver EC2: Bathing Waters Directive</b>								
<b>O) CSOs (intermittent discharges)</b>								
C6.35	Total number of combined sewerage overflows subject to improvement works	-	nr	I			23	B2
<b>P) Sewage Treatment (continuous discharges)</b>								
C6.36	Total number of sewage treatment works subject to improvement works	-	nr	I			5	B2
C6.37	Population equivalent subject to improvement works	-	000s	I			6.733	B2
C6.38	% of total population equivalent subject to improvement works	-	%	I			0.09	B2
<b>Driver EC3: Shellfish Waters</b>								
<b>Q) CSOs (intermittent discharges)</b>								
C6.39	Total number of combined sewerage overflows subject to improvement works	-	nr	I			0	A2
<b>R) Sewage Treatment (continuous discharges)</b>								
C6.40	Total number of sewage treatment works subject to improvement works	-	nr	I			10	B2
C6.41	Population equivalent subject to improvement works	-	000s	I			4.079	B2
C6.42	% of total population equivalent subject to improvement works	-	%	I			0.05	B2
<b>Driver EC4: Freshwater Fish Directive</b>								
<b>S) CSOs (intermittent discharges)</b>								
C6.43	Total number of combined sewerage overflows subject to improvement works	-	nr	I			0	A2
<b>T) Sewage Treatment (continuous discharges)</b>								
C6.44	Total number of sewage treatment works subject to improvement works	-	nr	I			5	B2
C6.45	Population equivalent subject to improvement works	-	000s	I			43.533	B2
C6.46	% of total population equivalent subject to improvement works	-	%	I			0.59	B2
<b>Driver EC6: Sludge (Use in Agriculture) Directive</b>								
C6.47	Total number new or enlarged sludge treatment works in improvement programme	-	nr	I			3	B2
C6.48	Total capacity of new or enlarged sludge treatment works in improvement programme	-	ttds	I			6577	B2
C6.49	% of total sludge treatment capacity in improvement works	-	%	I			4.51	B2
<b>Driver EC8: Habitats Directive</b>								
C6.49a	Total number of sites identified requiring authority action	-	nr	I			8	B2
C6.49b	Number of sites where studies or programmes of action planned	-	nr	I			8	B2
C6.49c	Number of sites where studies or programmes of action completed	-	nr	I			0	A1
<b>Driver EC9: Dangerous Substances Directive</b>								
C6.50	Total number of projects subject to improvement works	-	nr	I			2	B2

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ANNUAL RETURN INFORMATION REQUIREMENTS

**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C6: Wastewater Quality Outputs - New Obligations**

					10
Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Report Year 2004-05
					Comments Necessary
					Comments
<b>Driver WQ1: Control of Pollution Act 1974 S34</b>					
<b>A) Sewage Treatment Works upgrading</b>					
C6.1	Total number of sewage treatment works subject to improvement works	-	nr	I	N
C6.2	Population equivalent subject to improvement works	-	000s	I	N
C6.3	% of total population equivalent subject to improvement works	-	%	I	N
<b>B) Sewerage system upgrading</b>					
C6.4	Total number of sewerage schemes subject to improvement works	-	nr	I	N
C6.5	Population equivalent subject to improvement works	-	000s	I	N
C6.6	% of total population equivalent subject to improvement works	-	%	I	N
<b>Driver WQ2: Improvements to poor or seriously polluted waters</b>					
<b>C) Sewage Treatment Works Discharge Improvements</b>					
C6.7	Total number of sewage treatment works subject to improvement works	-	nr	I	N
C6.8	Population equivalent subject to improvement works	-	000s	I	N
C6.9	% of total population equivalent subject to improvement works	-	%	I	N
<b>D) CSO Discharge Improvements</b>					
C6.10	Total number of CSOs subject to improvement works	-	nr	I	N
<b>E) Surface Water Discharges/ Industrial Estates</b>					
C6.11	Total number of discharges subject to improvement works	-	nr	I	N
C6.12	Population equivalent subject to improvement works	-	000s	I	N
C6.13	% of total population equivalent subject to improvement works	-	%	I	N
<b>F) First Time Sewerage of Coastal and Inland Villages</b>					
C6.14	Total number of villages subject to improvement works	-	nr	I	N
C6.15	Population equivalent subject to improvement works	-	000s	I	N
C6.16	% of total population equivalent subject to improvement works	-	%	I	N
<b>Driver WQ3: Protection of Risk</b>					
<b>G) Recreation and non-identified Coastal Waters</b>					
C6.17	Total number of discharges subject to improvement works	-	nr	I	N
C6.18	Population equivalent subject to improvement works	-	000s	I	N
C6.19	% of total population equivalent subject to improvement works	-	%	I	N
<b>H) Phosphorus Control</b>					
C6.20	Total number of sewage treatment works subject to improvement works	-	nr	I	N
C6.21	Population equivalent subject to improvement works	-	000s	I	N
C6.22	% of total population equivalent subject to improvement works	-	%	I	N
<b>Driver EC1: UWWTD Directive</b>					
<b>I) Inland Waters - CSOs (intermittent discharges)</b>					
C6.23	Total number of combined sewerage overflows subject to improvement works	-	nr	I	N
<b>J) Inland Waters - Sewage Treatment (continuous discharges)</b>					
C6.24	Total number of sewage treatment works subject to improvement works	-	nr	I	N
C6.25	Population equivalent subject to improvement works	-	000s	I	N
C6.26	% of total population equivalent subject to improvement works	-	%	I	N
<b>K) Coastal Waters - CSOs (intermittent discharges)</b>					
C6.27	Total number of combined sewerage overflows subject to improvement works	-	nr	I	N
<b>L) Coastal Waters - Sewage Treatment (continuous discharges)</b>					
C6.28	Total number of sewage treatment works subject to improvement works	-	nr	I	N
C6.29	Population equivalent subject to improvement works	-	000s	I	N
C6.30	% of total population equivalent subject to improvement works	-	%	I	N
<b>M) Estuarial Waters - CSOs (intermittent discharges)</b>					
C6.31	Total number of combined sewerage overflows subject to improvement works	-	nr	I	N
<b>N) Estuarial Waters - Sewage Treatment (continuous discharges)</b>					
C6.32	Total number of sewage treatment works subject to improvement works	-	nr	I	N
C6.33	Population equivalent subject to improvement works	-	000s	I	N
C6.34	% of total population equivalent subject to improvement works	-	%	I	N
<b>Driver EC2: Bathing Waters Directive</b>					
<b>O) CSOs (intermittent discharges)</b>					
C6.35	Total number of combined sewerage overflows subject to improvement works	-	nr	I	N
<b>P) Sewage Treatment (continuous discharges)</b>					
C6.36	Total number of sewage treatment works subject to improvement works	-	nr	I	N
C6.37	Population equivalent subject to improvement works	-	000s	I	N
C6.38	% of total population equivalent subject to improvement works	-	%	I	N
<b>Driver EC3: Shellfish Waters</b>					
<b>Q) CSOs (intermittent discharges)</b>					
C6.39	Total number of combined sewerage overflows subject to improvement works	-	nr	I	N
<b>R) Sewage Treatment (continuous discharges)</b>					
C6.40	Total number of sewage treatment works subject to improvement works	-	nr	I	N
C6.41	Population equivalent subject to improvement works	-	000s	I	N
C6.42	% of total population equivalent subject to improvement works	-	%	I	N
<b>Driver EC4: Freshwater Fish Directive</b>					
<b>S) CSOs (intermittent discharges)</b>					
C6.43	Total number of combined sewerage overflows subject to improvement works	-	nr	I	N
<b>T) Sewage Treatment (continuous discharges)</b>					
C6.44	Total number of sewage treatment works subject to improvement works	-	nr	I	N
C6.45	Population equivalent subject to improvement works	-	000s	I	N
C6.46	% of total population equivalent subject to improvement works	-	%	I	N
<b>Driver EC6: Sludge (Use in Agriculture) Directive</b>					
C6.47	Total number new or enlarged sludge treatment works in improvement programme	-	nr	I	N
C6.48	Total capacity of new or enlarged sludge treatment works in improvement programme	-	ttds	I	N
C6.49	% of total sludge treatment capacity in improvement works	-	%	I	N
<b>Driver EC8: Habitats Directive</b>					
C6.49a	Total number of sites identified requiring authority action	-	nr	I	N
C6.49b	Number of sites where studies or programmes of action planned	-	nr	I	N
C6.49c	Number of sites where studies or programmes of action completed	-	nr	I	N
<b>Driver EC9: Dangerous Substances Directive</b>					
C6.50	Total number of projects subject to improvement works	-	nr	I	N

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ANNUAL RETURN INFORMATION REQUIREMENTS

**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C7: Water Mains Activities**

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Report Year -1 2003-04		Report Year 2004-05	
					CG	CG	CG	CG
<b>Water Mains Rehabilitation Under Agreed Programme of Works</b>							10	
C7.1	Number of water supply zones	-	nr	I			1503	A1
C7.2	Number of water supply zones subject to an agreed programme of work	-	nr	I			255	C4
C7.3	Length of mains for replacement in agreed programme of work	-	km	I			2666	A2
C7.4	Length of mains for relining in agreed programme of work	-	km	I			385	A3
C7.5	Length of mains surveyed pre-appraisal (as PPRA) in report year	-	km	I			5850	A2
C7.6	Length of mains replaced in report year	-	km	I			1075	A2
C7.7	Length of mains relined in report year	-	km	I			48	A1
C7.8	Length of mains with completed and acceptable post-surveys	-	km	I			157	A2
C7.9	No. of water supply zones where programmes of work have been completed	-	nr	I			237	A2
<b>Water Resource Planning</b>								
C7.10	Total number of district metered areas in Authority supply area	-	nr	I			1697	B2
C7.11	Number of district metered areas updated in report year	-	nr	I			621	B2
C7.12	Number of district metered areas currently being updated	-	nr	I			45	A2
C7.13	Percentage of population covered by updated district meter area studies	T10a,L11	%	I			66.3	B2
C7.14	Percentage of total network covered by updated district meter area studies	-	%	I			48.1	B2

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**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C7: Water Mains Activities**

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	10
					Report Year 2004-05

Comments Necessary Y/N	Comments
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Water Mains Rehabilitation Under Agreed Programme of Works				
C7.1	Number of water supply zones	-	nr	I
C7.2	Number of water supply zones subject to an agreed programme of work	-	nr	I
C7.3	Length of mains for replacement in agreed programme of work	-	km	I
C7.4	Length of mains for relining in agreed programme of work	-	km	I
C7.5	Length of mains surveyed pre-appraisal (as PPRA) in report year	-	km	I
C7.6	Length of mains replaced in report year	-	km	I
C7.7	Length of mains relined in report year	-	km	I
C7.8	Length of mains with completed and acceptable post-surveys	-	km	I
C7.9	No. of water supply zones where programmes of work have been completed	-	nr	I

Water Resource Planning				
C7.10	Total number of district metered areas in Authority supply area	-	nr	I
C7.11	Number of district metered areas updated in report year	-	nr	I
C7.12	Number of district metered areas currently being updated	-	nr	I
C7.13	Percentage of population covered by updated district meter area studies	T10a,L11	%	I
C7.14	Percentage of total network covered by updated district meter area studies	-	%	I

N		General	
N	Mains rehab is specifically driven by the agreed target length	A1	G
N		A2	G
N		A3	G
N		A4	N
N		AX	G
N		B2	G
N		B3	G
N		B4	N
N		BX	G
N		C2	N
N		C3	N
N		C4	N
N		C5	N
N		CX	N
N		M	N
N		N	N
N		D3	N
N		D4	N
N		D5	N
N		D6	N
N		DX	N

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ANNUAL RETURN INFORMATION REQUIREMENTS

**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C8: Sewer Activities**

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Report Year -1 2003-04		Report Year 2004-05	
					CG	CG	CG	CG
<b>Sewer Rehabilitation Programme</b>					10			
C8.1	Number of sewage drainage areas	T16, L38	nr	I			806	A1
C8.2	Number of sewage drainage areas subject to a programme of work	-	nr	I			162	B3
C8.3	Length of sewers for replacement in programme of work	-	km	I			0	M
C8.4	Length of sewers for rehabilitation in programme of work	-	km	I			410	C4
C8.5	Length of sewers surveyed pre-appraisal (as PPRA) in report year	-	km	I			114	B2
C8.6	Length of sewers replaced in report year	-	km	I			2	B2
C8.7	Length of mains rehabilitated in report year	-	km	I			114	B2
C8.8	Length of sewers with completed and acceptable post-surveys	-	km	I			116	B2
C8.9	No. of sewage drainage areas where programmes of works have been completed	-	nr	I			98	B3
<b>Critical Sewers</b>								
C8.10	Length of "critical sewers" rehabilitated	T16, L8	km	I			114	B2
C8.11	Length of "critical sewers" replaced	T16, L9	km	I			2	B2
C8.12	Abandoned "critical sewers" and other changes	T16, L16	km	I			4696	B3
<b>Drainage Area Plans</b>								
C8.13	Drainage area plans updated since 1 April 2002	T16, L36	nr	I			0	A1
C8.14	Drainage area plans currently being updated	T16, L37	nr	I			0	A1
C8.15	Cumulative % drainage area plans updated since 1 April 2002	T16, L39	%	C	#DIV/0!		0	A1
C8.16	% Population covered by updated studies	T16, L40	%	I			0	A1

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Edition 1

**SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS**  
**Table C8: Sewer Activities**

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type
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10
<b>Report Year 2004-05</b>

Comments Necessary Y/N	Comments
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Sewer Rehabilitation Programme				
C8.1	Number of sewage drainage areas	T16, L38	nr	I
C8.2	Number of sewage drainage areas subject to a programme of work	-	nr	I
C8.3	Length of sewers for replacement in programme of work	-	km	I
C8.4	Length of sewers for rehabilitation in programme of work	-	km	I
C8.5	Length of sewers surveyed pre-appraisal (as PPRA) in report year	-	km	I
C8.6	Length of sewers replaced in report year	-	km	I
C8.7	Length of mains rehabilitated in report year	-	km	I
C8.8	Length of sewers with completed and acceptable post-surveys	-	km	I
C8.9	No. of sewage drainage areas where programmes of work have been completed	-	nr	I

Critical Sewers				
C8.10	Length of "critical sewers" rehabilitated	T16, L8	km	I
C8.11	Length of "critical sewers" replaced	T16, L9	km	I
C8.12	Abandoned "critical sewers" and other changes	T16, L16	km	I

Drainage Area Plans				
C8.13	Drainage area plans updated since 1 April 2002	T16, L36	nr	I
C8.14	Drainage area plans currently being updated	T16, L37	nr	I
C8.15	Cumulative % drainage area plans updated since 1 April 2002	T16, L39	%	C
C8.16	% Population covered by updated studies	T16, L40	%	I

Comments Necessary Y/N	Comments	General
N		A1 G
N		A2 G
N		A3 G
N	The division between what sewerage has or will be rehabilitated rather than replaced is not known at present and therefore the entire length to be rehabilitated or replaced is reported in Line C8.4 which is in line with the assumption made for the definit	A4 N
N	The division between what sewerage has or will be rehabilitated rather than replaced is not known at present and therefore the entire length to be rehabilitated or replaced is reported in Line C8.4 which is in line with the assumption made for the definit	AX G
N		B2 G
N		B3 G
N		B4 N
N		BX G
N		C2 N
N		C3 N
N		C4 N
N		C5 N
N		CX N
N		M N
N		N N
N		D3 N
N	At present no Drainage Area Plans are maintained, all are first time provision.	D4 N
N	At present no Drainage Area Plans are maintained, all are first time provision.	D5 N
N	At present no Drainage Area Plans are maintained, all are first time provision.	D6 N
N	At present no Drainage Area Plans are maintained, all are first time provision.	DX N

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