AG 2.8 Attachment B

ILLINOIS
AMERICAN WATER

Kevin F. Hillen
Operations Superintendent
Chicago Metro Division
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Woodridge, Illinois 60517
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January 15, 2011

Mr. Daniel Injerd, Chief Lake Michigan Management
Illinois Department of Natural Resources
36 S. Wabash Ave. Room 1415
Chicago, Illinois 60603-2921

RE: 2010 ANNUAL WATER USE AUDIT FORMS (LMO-2)

Dear Mr. Injerd:

Attached are the LMO-2 forms for the following systems:

Systems	Lake Water Supplier
Alpine	Orland Park
Arbury	Well Water Supply
Arrowhead	Wheaton/DuPage Water Commission
Chicago Suburban	Village of Glenview
Country Club	Elmhurst/DuPage Water Commission
Homer Township	American Lake Water Company
DuPage	Lisle/DuPage Water Commission
Fernway	Tinley Park
Liberty Ridge East	Glen Ellyn/DuPage Water Commission
Liberty Ridge West	Winfield/DuPage Water Commission
Lombard	Lombard/DuPage Water Commission
Moreland	City of Chicago
Valley View	DuPage Water Commission
Waycinden	Des Plaines
West Suburban	American Lake Water Company

In addition, we are submitting revised copies of the following reports from prior years. Adjustments were made to Section C-Hydrant Uses to better reflect the water losses associated with system flushing in these service areas.

	Systems	Lake Water Supplier
2008	Alpine Heights	Orland Park
	West Suburban	American Lake Water Company
2009	Alpine Heights	Orland Park
	Country Club	Elmhurst/DuPage Water Commission
	Fernway	Tinley Park
	Homer Township	American Lake Water Company
	West Suburban	American Lake Water Company

Arbury System Lake Water Allocation
Illinois American Water has an unused IDNR lake water allocation for its Arbury District. We are currently conducting an engineering study on the feasibility of utilizing this allocation. Here is a summary of the activity that took place in 2010.

On October 15, 2010, officials from Illinois American Water Company (Chicago Metro District) collectively met with Engineering and Public Works officials from the Village of Tinley Park to discuss a purchased lake water arrangement through the Village of Tinley Park to supply Lake Michigan water to the ILAWC Arbury service area. The outcome of the meeting was positive in that both parties agreed to commence exchanging potable water system data, records, and information to evaluate options as to where the ILAWC Arbury system could interconnect to the Tinley Park water system. Illinois American Water has commenced preliminary engineering and hydraulic modeling efforts of the Arbury system, to ascertain the infrastructure needs of the Arbury system that would be necessary to receive Lake Michigan Water through Tinley Park. This modeling and alternatives analysis, by ILAWC, is expected to be complete by April-May of 2011.

Agreements between ILAWC and Tinley Park would then be pursued through the summer-fall of 2011; with the intent on having final agreements (terms and conditions) solidified by late 2011; such that Engineering Design efforts could commence in late 2011. Construction of the infrastructure improvements to the Arbury system which are necessary in order to receive lake water from Tinley Park, are then estimated to commence in 2012-2013.

Please do not hesitate to contact me if you have any questions

Sincerely,

Illinois American Water Company

Kevin Hillen
Operations Superintendent

KFH/mcb

Cc; Andy Keoster- Production Operations Supervisor
Mike Smyth- Senior Manager Field Services and Production
Tim Morris- Regulatory and Non Revenue Water Supervisor
Central File- Chicago Metro

ILLINOIS
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Office Of Water Resources

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2010 Annual Water Use Audit Form (LMO-2)

This form must be completed by all Category 1A and 1B Permittees for each annual water use accounting year running from October 1st through September 3 0th. This form must be submitted to Department by December 31st, 2010

Section I- General Information

Name, address and phone number of Permittee:

ILLINOIS - AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517

WAYCINDEN

County : COOK

Name, address and phone number of the contact person for the Permittee:

MR. KEVIN HILLEN
ILLINOIS-AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517
630.739.8845

Authorized Official: KEVIN HILLEN

Title: OPERATIONS SUPERINTENDENT FIELD SERVICES

Date: 12/30/2010

Please provide the following leak survey information and population estimates for the last year.

Results and recommendations of leak surveys conducted on the water distribution system including progress made in leak repair. (attach to back of form)

Population: 2,154 Number of existing households: 718
Commercial: 0

The Illinois Department of Natural Resources is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Chapter 19, Section 120.2 of the Illinois Revised Statutes. Disclosure of this information is required. Failure to provide any information will result in this form not being processed. This form has been approved by the Forms Management Center, Central Management Services

Section II - Water Use Audit

Enter the amount of water pumped and utilized for each item shown below. All amounts entered in this section must be in units of million gallons per day (MGD) rounded off to 3 decimal places to the right of the decimal. Conversion calculations are provided for your use in Section IV to convert other commonly used units to MGD.

A. PUMPAGE DATA		
1 Lake Michigan Pumpage	0.469	MGD
2 Shallow Aquifer Pumpage		MGD
3 Deep Aquifer Pumpage		MGD
4 Total Pumpage (Add lines 1, 2, & 3)	0.469	MGD
5 Water Treatment Use		MGD
6 Gross Annual Percentage (subtract line 5 from line 4)	0.469	MGD

Water sold or provided to any other distribution systems (enter the name of each system and the amount sold or provided to that system on lines 7 through 12). If additional lines are required, attach an additional sheet listing each system and amount.

7		MGD
8		MGD
9		MGD
10		MGD
11		MGD
12		MGD
13 Total (add lines 7-12 and any additional amounts)	0	MGD
14 Net Annual Pumpage (subtract line 13 from line 6)	0.469	MGD

B. USES	**METERED**	**UNMETERED**		
15 Residential	718		0.426	MGD
16 Commercial and Manufacturing	0		0.000	MGD
17 Municipal				MGD
18 Construction				MGD
19 Total Uses (add Total lines 15 through 18)			0.426	MGD
20 Percentage of Total Use to Net Annual Pumpage (divide line 19 by line 14 and multiply by 100)			91	%

C. HYDRANT USES		
21 Firefighting and Training		MGD
22 Water Main Flushing	0.0008	MGD
23 Sewer Cleaning		MGD
24 Street Cleaning		MGD
25 Construction		MGD
26 Other (attach explanation)		MGD
27 Total Hydrant Use (add lines 21 through 26	0.00	MGD
28 Percentage of Hydrant Use to Net Pumpage (divide line 27 by line 14 and multiply by 100)	0.17	%
29 Department Requirement for Hydrant Use	1.0	%
30 Excessive hydrant use (subtract line 29 from line 28). If the percentage is greater than 0.0, attach explanation. [see Rule 730307(c)]	-0.83	%

D. Unavoidable Leakage and Unaccounted for Flow

31	Maximum Unavoidable Leakage (Do worksheet in Section III; enter amount from line 10 of the worksheet)	0.023 MGD
32	Percentage of Maximum Unavoidable Leakage to Net Annual Pumpage (divide line 31 by line 14 and multiply by 100)	4.97 %
33	Total Accounted for Flow (add lines 19, 27 and 31)	0.450 MGD
34	Percentage of Total Accounted for Flow to Net Annual Pumpage (divide line 33 by line 14 and multiply by 100)	95.97 %
35	Total Unaccounted for Flow (subtract amount on line 33 from line 14)	0.019 MGD
36	Percentage of Total Unaccounted for Flow to Net Annual Pumpage (divide line 35 by line14 and multiply by 100)	4.03 %

Please Check Your Calculations

The sum of lines 33 and 35 should equal line 14. If they do not equal, recheck your calculations.
The sum of lines 34 and 36 should equal approximately 100%. If not, check your calculations.

Section III - Maximum Unavoidable Leakage Worksheet

Complete the following calculations to determine your maximum unavoidable leakage. Enter the appropriate amounts in the spaces provided.

A Cast Iron Pipes With Lead Joints

	Age of Pipe	Miles of Pipe	Leakage Rate*	Unavoidable Leakage**
1	60 yrs. or greater		x 3000 g/d/mi =	0 g/d
2	40-60 yrs.		x 2500 g/d/mi =	0 g/d
3	20-40 yrs.		x 2000 g/d/mi =	0 g/d
4	20 yrs. or less		x 1500 g/d/mi =	0 g/d

B All Other Types of Pipes and Joints

5	60 yrs. or greater		x 2500 g/d/mi =	0 g/d
6	40-60 yrs.	10.42	x 2000 g/d/mi	20840 g/d
7	20-40 yrs.	1.46	x 1500 g/d/mi =	2190 g/d
8	20 yrs. or less	0.292	x 1000 g/d/mi =	292 g/d
9	Total Miles	12.172	Total Leakage	23322 g/d

10 Total Maximum Unavoidable Leakage, in MGD (divide total leakage on line 9 by 1,000,000 — 0.023322 MGD
(Enter this amount on line 31 of "Section II - Water Use Audit")

Section IV - Conversion Table

Below are conversion calculations to convert the most commonly used units to units of millions gallons per day (MGD).

To convert cubic feet per year (cf) to (MGD) use:

cf x 7.48 ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per year (g) to (MGD) use:

g ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per day (g/d) to (MGD) use:

g/d ÷ 1,000,000 = MGD

To convert million gallons per year (mg) to (MGD) use:

mg ÷ 365 = MGD

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Office Of Water Resources

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2010 Annual Water Use Audit Form (LMO-2)

This form must be completed by all Category IA and IIB Permittees for each annual water use accounting year running from October 1st through September 3 0th. This form must be submitted to Department by December 31st, 2010

Section I- General Information

Name, address and phone number of Permittee:

ILLINOIS - AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517

ALPINE HEIGHTS

County : DUPAGE

Name, address and phone number of the contact person for the Permittee:

MR. KEVIN HILLEN
ILLINOIS-AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517
630.739.8845

Authorized Official: KEVIN HILLEN

Title: OPERATIONS SUPERINTENDENT FIELD SERVICES

Date: 12/30/2010

Please provide the following leak survey information and population estimates for the last year.

Results and recommendations of leak surveys conducted on the water distribution system including progress made in leak repair. (attach to back of form)

Population: 711 Number of existing households: 237
Commercial: 0

The Illinois Department of Natural Resources is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Chapter 19, Section 120.2 of the Illinois Revised Statutes Disclosure of this information is required Failure to provide any information will result in this form not being processed This form has been approved by the Forms Management Center, Central Management Services

Section II - Water Use Audit

Enter the amount of water pumped and utilized for each item shown below. All amounts entered in this section must be in units of million gallons per day (MGD) rounded off to 3 decimal places to the right of the decimal. Conversion calculations are provided for your use in Section IV to convert other commonly used units to MGD.

A. PUMPAGE DATA			
1	Lake Michigan Pumpage	0.047	MGD
2	Shallow Aquifer Pumpage		MGD
3	Deep Aquifer Pumpage		MGD
4	Total Pumpage (Add lines 1, 2, & 3)	0.047	MGD
5	Water Treatment Use		MGD
6	Gross Annual Percentage (subtract line 5 from line 4)	0.047	MGD

Water sold or provided to any other distribution systems (enter the name of each system and the amount sold or provided to that system on lines 7 through 12). If additional lines are required, attach an additional sheet listing each system and amount.

7			MGD
8			MGD
9			MGD
10			MGD
11			MGD
12			MGD
13	Total (add lines 7-12 and any additional amounts)	0	MGD
14	Net Annual Pumpage (subtract line 13 from line 6)	0.047	MGD

B. USES		**METERED**	**UNMETERED**		
15	Residential	237		0.051	MGD
16	Commercial and Manufacturing	0			MGD
17	Municipal				MGD
18	Construction				MGD
19	Total Uses (add Total lines 15 through 18)			0.051	MGD
20	Percentage of Total Use to Net Annual Pumpage (divide line 19 by line 14 and multiply by 100)			109	%

C. HYDRANT USES			
21	Firefighting and Training		MGD
22	Water Main Flushing	0.0004	MGD
23	Sewer Cleaning		MGD
24	Street Cleaning		MGD
25	Construction		MGD
26	Other (attach explanation)		MGD
27	Total Hydrant Use (add lines 21 through 26	0.0004	MGD
28	Percentage of Hydrant Use to Net Pumpage (divide line 27 by line 14 and multiply by 100)	0.85	%
29	Department Requirement for Hydrant Use	1.0	%
30	Excessive hydrant use (subtract line 29 from line 28). If the percentage is greater than 0.0, attach explanation. [see Rule 730307(c)]	-0.15	%

D. Unavoidable Leakage and Unaccounted for Flow

31	Maximum Unavoidable Leakage (Do worksheet in Section III; enter amount from line 10 of the worksheet)	0.005	MGD
32	Percentage of Maximum Unavoidable Leakage to Net Annual Pumpage (divide line 31 by line 14 and multiply by 100)	10.89	%
33	Total Accounted for Flow (add lines 19, 27 and 31)	0.057	MGD
34	Percentage of Total Accounted for Flow to Net Annual Pumpage (divide line 33 by line 14 and multiply by 100)	120.25	%
35	Total Unaccounted for Flow (subtract amount on line 33 from line 14)	-0.010	MGD
36	Percentage of Total Unaccounted for Flow to Net Annual Pumpage (divide line 35 by line14 and multiply by 100)	-20.25	%

Please Check Your Calculations

The sum of lines 33 and 35 should equal line 14. If they do not equal, recheck your calculations.
The sum of lines 34 and 36 should equal approximately 100%. If not, check your calculations.

Section III - Maximum Unavoidable Leakage Worksheet

Complete the following calculations to determine your maximum unavoidable leakage. Enter the appropriate amounts in the spaces provided.

A Cast Iron Pipes With Lead Joints

	Age of Pipe	Miles of Pipe	Leakage Rate*	Unavoidable Leakage**	
1	60 yrs. or greater		x 3000 g/d/mi =	0	g/d
2	40-60 yrs.		x 2500 g/d/mi =	0	g/d
3	20-40 yrs.		x 2000 g/d/mi =	0	g/d
4	20 yrs. or less		x 1500 g/d/mi =	0	g/d

B All Other Types of Pipes and Joints

5	60 yrs. or greater		x 2500 g/d/mi =	0	g/d
6	40-60 yrs.		x 2000 g/d/mi	0	g/d
7	20-40 yrs.	3.413	x 1500 g/d/mi =	5119.5	g/d
8	20 yrs. or less		x 1000 g/d/mi =	0	g/d
9	Total Miles	3.413	Total Leakage	5119.5	g/d

10 Total Maximum Unavoidable Leakage, in MGD (divide total leakage on line 9 by 1,000,000 — 0.0051195 MGD

(Enter this amount on line 31 of "Section II - Water Use Audit")

Section IV - Conversion Table

Below are conversion calculations to convert the most commonly used units to units of millions gallons per day (MGD).

To convert cubic feet per year (cf) to (MGD) use:

cf x 7.48 ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per year (g) to (MGD) use:

g ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per day (g/d) to (MGD) use:

g/d ÷ 1,000,000 = MGD

To convert million gallons per year (mg) to (MGD) use:

mg ÷ 365 = MGD

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2010 Annual Water Use Audit Form (LMO-2)

This form must be completed by all Category IA and IIB Permittees for each annual water use accounting year running from October 1st through September 3 0th. This form must be submitted to Department by December 31st, 2010

Section I- General Information

Name, address and phone number of Permittee:

ILLINOIS - AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517

ARBURY

County : **WILL**

Name, address and phone number of the contact person for the Permittee:

MR. KEVIN HILLEN
ILLINOIS-AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517
630.739 8845

Authorized Official: KEVIN HILLEN

Title: OPERATIONS SUPERINTENDENT FIELD SERVICES

Date: 12/30/2010

Please provide the following leak survey information and population estimates for the last year.

Results and recommendations of leak surveys conducted on the water distribution system including progress made in leak repair. (attach to back of form)

Population: 1,359 Number of existing households: 453
Commercial: 10

The Illinois Department of Natural Resources is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Chapter 19, Section 120.2 of the Illinois Revised Statutes. Disclosure of this information is required Failure to provide any information will result in this form not being processed. This form has been approved by the Forms Management Center, Central Management Services

Section II - Water Use Audit

Enter the amount of water pumped and utilized for each item shown below. All amounts entered in this section must be in units of million gallons per day (MGD) rounded off to 3 decimal places to the right of the decimal. Conversion calculations are provided for your use in Section IV to convert other commonly used units to MGD.

A. PUMPAGE DATA

1	Lake Michigan Pumpage		MGD
2	Shallow Aquifer Pumpage	0.152	MGD
3	Deep Aquifer Pumpage		MGD
4	Total Pumpage (Add lines 1, 2, & 3)	0.152	MGD
5	Water Treatment Use	0.009	MGD
6	Gross Annual Percentage (subtract line 5 from line 4)	0.143	MGD

Water sold or provided to any other distribution systems (enter the name of each system and the amount sold or provided to that system on lines 7 through 12). If additional lines are required, attach an additional sheet listing each system and amount.

7			MGD
8			MGD
9			MGD
10			MGD
11			MGD
12			MGD
13	Total (add lines 7-12 and any additional amounts)	0	MGD
14	Net Annual Pumpage (subtract line 13 from line 6)	0.143	MGD

B. USES	METERED	UNMETERED		
15 Residential	453		0.102	MGD
16 Commercial and Manufacturing	10		0.013	MGD
17 Municipal				MGD
18 Construction				MGD
19 Total Uses (add Total lines 15 through 18)			0.115	MGD
20 Percentage of Total Use to Net Annual Pumpage (divide line 19 by line 14 and multiply by 100)			80	%

C. HYDRANT USES

21	Firefighting and Training		MGD
22	Water Main Flushing	0.01	MGD
23	Sewer Cleaning		MGD
24	Street Cleaning		MGD
25	Construction		MGD
26	Other (attach explanation)		MGD
27	Total Hydrant Use (add lines 21 through 26	0.01	MGD
28	Percentage of Hydrant Use to Net Pumpage (divide line 27 by line 14 and multiply by 100)	6.99	%
29	Department Requirement for Hydrant Use	1.0	%
30	Excessive hydrant use (subtract line 29 from line 28). If the percentage is greater than 0.0, attach explanation. [see Rule 730307(c)]	5.99	%

D. Unavoidable Leakage and Unaccounted for Flow

31	Maximum Unavoidable Leakage (Do worksheet in Section III; enter amount from line 10 of the worksheet)	0.013 MGD
32	Percentage of Maximum Unavoidable Leakage to Net Annual Pumpage (divide line 31 by line 14 and multiply by 100)	8.81 %
33	Total Accounted for Flow (add lines 19, 27 and 31)	0.137 MGD
34	Percentage of Total Accounted for Flow to Net Annual Pumpage (divide line 33 by line 14 and multiply by 100)	96.01 %
35	Total Unaccounted for Flow (subtract amount on line 33 from line 14)	0.006 MGD
36	Percentage of Total Unaccounted for Flow to Net Annual Pumpage (divide line 35 by line14 and multiply by 100)	3.99 %

Please Check Your Calculations

The sum of lines 33 and 35 should equal line 14. If they do not equal, recheck your calculations.
The sum of lines 34 and 36 should equal approximately 100%. If not, check your calculations.

Section III - Maximum Unavoidable Leakage Worksheet

Complete the following calculations to determine your maximum unavoidable leakage. Enter the appropriate amounts in the spaces provided.

A Cast Iron Pipes With Lead Joints

	Age of Pipe	Miles of Pipe	Leakage Rate*	Unavoidable Leakage**
1	60 yrs. or greater		x 3000 g/d/mi =	0 g/d
2	40-60 yrs.		x 2500 g/d/mi =	0 g/d
3	20-40 yrs.		x 2000 g/d/mi =	0 g/d
4	20 yrs. or less		x 1500 g/d/mi =	0 g/d

B All Other Types of Pipes and Joints

5	60 yrs. or greater		x 2500 g/d/mi =	0 g/d
6	40-60 yrs.		x 2000 g/d/mi	0 g/d
7	20-40 yrs.	6.14	x 1500 g/d/mi =	9210 g/d
8	20 yrs. or less	3.39	x 1000 g/d/mi =	3390 g/d
9	Total Miles	9.53	Total Leakage	12600 g/d

10 Total Maximum Unavoidable Leakage, in MGD (divide total leakage on line 9 by 1,000,000 — 0.0126 MGD
(Enter this amount on line 31 of "Section II - Water Use Audit")

Section IV - Conversion Table

Below are conversion calculations to convert the most commonly used units to units of millions gallons per day (MGD).

To convert cubic feet per year (cf) to (MGD) use:

cf x 7.48 ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per year (g) to (MGD) use:

g ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per day (g/d) to (MGD) use:

g/d ÷ 1,000,000 = MGD

To convert million gallons per year (mg) to (MGD) use:

mg ÷ 365 = MGD

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2010 Annual Water Use Audit Form (LMO-2)

This form must be completed by all Category IA and IIB Permittees for each annual water use accounting year running from October 1st through September 3 0th. This form must be submitted to Department by December 31st, 2010

Section I- General Information

Name, address and phone number of Permittee:

ILLINOIS - AMERICAN WATER COMPANY **ARROWHEAD**
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517

County : **DUPAGE**

Name, address and phone number of the contact person for the Permittee:

MR. KEVIN HILLEN
ILLINOIS-AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517
630.739.8845

Authorized Official: KEVIN HILLEN

Title: OPERATIONS SUPERINTENDENT FIELD SERVICES

Date: 12/30/2010

Please provide the following leak survey information and population estimates for the last year.

Results and recommendations of leak surveys conducted on the water distribution system including progress made in leak repair. (attach to back of form)

Population: 1,821 Number of existing households: 607
Commercial: 0

The Illinois Department of Natural Resources is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Chapter 19, Section 120.2 of the Illinois Revised Statutes Disclosure of this information is required Failure to provide any information will result in this form not being processed This form has been approved by the Forms Management Center, Central Management Services

Section II - Water Use Audit

Enter the amount of water pumped and utilized for each item shown below. All amounts entered in this section must be in units of million gallons per day (MGD) rounded off to 3 decimal places to the right of the decimal. Conversion calculations are provided for your use in Section IV to convert other eommonly used units to MGD.

A. PUMPAGE DATA		
1 Lake Michigan Pumpage	0.139	MGD
2 Shallow Aquifer Pumpage		MGD
3 Deep Aquifer Pumpage		MGD
4 Total Pumpage (Add lines 1, 2, & 3)	0.139	MGD
5 Water Treatment Use		MGD
6 Gross Annual Percentage (subtract line 5 from line 4)	0.139	MGD

Water sold or provided to any other distribution systems (enter the name of each system and the amount sold or provided to that system on lines 7 through 12). If additional lines are required, attach an additional sheet listing each system and amount.

7		MGD
8		MGD
9		MGD
10		MGD
11		MGD
12		MGD
13 Total (add lines 7-12 and any additional amounts)	0	MGD
14 Net Annual Pumpage (subtract line 13 from line 6)	0.139	MGD

B. USES	METERED	UNMETERED		
15 Residential	607		0.126	MGD
16 Commercial and Manufacturing	0			MGD
17 Municipal				MGD
18 Construction				MGD
19 Total Uses (add Total lines 15 through 18)			0.124	MGD
20 Percentage of Total Use to Net Annual Pumpage (divide line 19 by line 14 and multiply by 100)			89	%

C. HYDRANT USES		
21 Firefighting and Training		MGD
22 Water Main Flushing	0.0008	MGD
23 Sewer Cleaning		MGD
24 Street Cleaning		MGD
25 Construction		MGD
26 Other (attach explanation)		MGD
27 Total Hydrant Use (add lines 21 through 26	0.0008	MGD
28 Percentage of Hydrant Use to Net Pumpage (divide line 27 by line 14 and multiply by 100)	0.58	%
29 Department Requirement for Hydrant Use	1.0	%
30 Excessive hydrant use (subtract line 29 from line 28). If the percentage is greater than 0.0, attach explanation. [see Rule 730307(e)]	-0.42	%

D.	Unavoidable Leakage and Unaccounted for Flow	
31	Maximum Unavoidable Leakage (Do worksheet in Section III; enter amount from line 10 of the worksheet)	0.016 MGD
32	Percentage of Maximum Unavoidable Leakage to Net Annual Pumpage (divide line 31 by line 14 and multiply by 100)	11.50 %
33	Total Accounted for Flow (add lines 19, 27 and 31)	0.141 MGD
34	Percentage of Total Accounted for Flow to Net Annual Pumpage (divide line 33 by line 14 and multiply by 100)	101.29 %
35	Total Unaccounted for Flow (subtract amount on line 33 from line 14)	-0.002 MGD
36	Percentage of Total Unaccounted for Flow to Net Annual Pumpage (divide line 35 by line14 and multiply by 100)	-1.29 %

Please Check Your Calculations

The sum of lines 33 and 35 should equal line 14. If they do not equal, recheck your calculations.
The sum of lines 34 and 36 should equal approximately 100%. If not, check your calculations.

Section III - Maximum Unavoidable Leakage Worksheet

Complete the following calculations to determine your maximum unavoidable leakage. Enter the appropriate amounts in the spaces provided.

A Cast Iron Pipes With Lead Joints

	Age of Pipe	Miles of Pipe	Leakage Rate*	Unavoidable Leakage**
1	60 yrs. or greater		x 3000 g/d/mi =	0 g/d
2	40-60 yrs.		x 2500 g/d/mi =	0 g/d
3	20-40 yrs.		x 2000 g/d/mi =	0 g/d
4	20 yrs. or less		x 1500 g/d/mi =	0 g/d

B All Other Types of Pipes and Joints

5	60 yrs. or greater		x 2500 g/d/mi =	0 g/d
6	40-60 yrs.	5.26	x 2000 g/d/mi	10520 g/d
7	20-40 yrs.	2.9	x 1500 g/d/mi =	4350 g/d
8	20 yrs. or less	1.12	x 1000 g/d/mi =	1120 g/d
9	Total Miles	9.28	Total Leakage	15990 g/d

10 Total Maximum Unavoidable Leakage, in MGD (divide total leakage on line 9 by 1,000,000 — 0.01599 MGD
(Enter this amount on line 31 of "Section II - Water Use Audit")

Section IV - Conversion Table

Below are conversion calculations to convert the most commonly used units to units of millions gallons per day (MGD).

To convert cubic feet per year (cf) to (MGD) use:

cf x 7.48 ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per year (g) to (MGD) use:

g ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per day (g/d) to (MGD) use:

g/d ÷ 1,000,000 = MGD

To convert million gallons per year (mg) to (MGD) use:

mg ÷ 365 = MGD

ILLINOIS
DEPARTMENT OF
NATURAL RESOURCES
Office Of Water Resources

Illinois Department of Natural Resources
Office of Water Resources
One Natural Resourses Way
Springfield, Illinois 62702-1271

36 S. Wabash Avenue, Room 1415 Chicago, Illinois 60603-2921 312.796.3123 Fax 312.7935968

2010 Annual Water Use Audit Form (LMO-2)

This form must be completed by all Category IA and IIB Permittees for each annual water use accounting year running from October 1st through September 3 0th. This form must be submitted to Department by December 31st, 2010

Section I- General Information

Name, address and phone number of Permittee:

ILLINOIS - AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517

CHICAGO SUBURBAN

County : COOK

Name, address and phone number of the contact person for the Permittee:

MR. KEVIN HILLEN
ILLINOIS-AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517
630.739 8845

Authorized Official: KEVIN HILLEN

Title: OPERATIONS SUPERINTENDENT FIELD SERVICES

Date: 12/30/2010

Please provide the following leak survey information and population estimates for the last year.

Results and recommendations of leak surveys conducted on the water distribution system including progress made in leak repair. (attach to back of form)

Population: 12,132 Number of existing households: 4044
Commercial: 260

The Illinois Department of Natural Resources is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Chapter 19, Section 120 2 of the Illinois Revised Statutes Disclosure of this information is required Failure to provide any information will result in this form not being processed. This form has been approved by the Forms Management Center, Central Management Services

Section II - Water Use Audit

Enter the amount of water pumped and utilized for each item shown below. All amounts entered in this section must be in units of million gallons per day (MGD) rounded off to 3 decimal places to the right of the decimal. Conversion calculations are provided for your use in Section IV to convert other commonly used units to MGD.

A. PUMPAGE DATA		
1 Lake Michigan Pumpage	1.753	MGD
2 Shallow Aquifer Pumpage		MGD
3 Deep Aquifer Pumpage		MGD
4 Total Pumpage (Add lines 1, 2, & 3)	1.753	MGD
5 Water Treatment Use		MGD
6 Gross Annual Percentage (subtract line 5 from line 4)	1.753	MGD

Water sold or provided to any other distribution systems (enter the name of each system and the amount sold or provided to that system on lines 7 through 12). If additional lines are required, attach an additional sheet listing each system and amount.

7		MGD
8		MGD
9		MGD
10		MGD
11		MGD
12		MGD
13 Total (add lines 7-12 and any additional amounts)	0	MGD
14 Net Annual Pumpage (subtract line 13 from line 6)	1.753	MGD

B. USES	**METERED**	**UNMETERED**		
15 Residential	4044		1.218	MGD
16 Commercial and Manufacturing	260		0.330	MGD
17 Municipal				MGD
18 Construction				MGD
19 Total Uses (add Total lines 15 through 18)			1.548	MGD
20 Percentage of Total Use to Net Annual Pumpage (divide line 19 by line 14 and multiply by 100)			88	%

C. HYDRANT USES		
21 Firefighting and Training		MGD
22 Water Main Flushing	0.0037	MGD
23 Sewer Cleaning		MGD
24 Street Cleaning		MGD
25 Construction		MGD
26 Other (attach explanation)		MGD
27 Total Hydrant Use (add lines 21 through 26	0.00	MGD
28 Percentage of Hydrant Use to Net Pumpage (divide line 27 by line 14 and multiply by 100)	0.21	%
29 Department Requirement for Hydrant Use	1.0	%
30 Excessive hydrant use (subtract line 29 from line 28). If the percentage is greater than 0.0, attach explanation. [see Rule 730307(e)]	-0.79	%

D. Unavoidable Leakage and Unaccounted for Flow

31	Maximum Unavoidable Leakage (Do worksheet in Section III; enter amount from line 10 of the worksheet)	0.099 MGD
32	Percentage of Maximum Unavoidable Leakage to Net Annual Pumpage (divide line 31 by line 14 and multiply by 100)	5.66 %
33	Total Accounted for Flow (add lines 19, 27 and 31)	1.651 MGD
34	Percentage of Total Accounted for Flow to Net Annual Pumpage (divide line 33 by line 14 and multiply by 100)	94.19 %
35	Total Unaccounted for Flow (subtract amount on line 33 from line 14)	0.102 MGD
36	Percentage of Total Unaccounted for Flow to Net Annual Pumpage (divide line 35 by line14 and multiply by 100)	5.81 %

Please Check Your Calculations

The sum of lines 33 and 35 should equal line 14. If they do not equal, recheck your calculations.
The sum of lines 34 and 36 should equal approximately 100%. If not, check your calculations.

Section III - Maximum Unavoidable Leakage Worksheet

Complete the following calculations to determine your maximum unavoidable leakage. Enter the appropriate amounts in the spaces provided.

A Cast Iron Pipes With Lead Joints

	Age of Pipe	Miles of Pipe	Leakage Rate*	Unavoidable Leakage**
1	60 yrs. or greater		x 3000 g/d/mi =	0 g/d
2	40-60 yrs.		x 2500 g/d/mi =	0 g/d
3	20-40 yrs.		x 2000 g/d/mi =	0 g/d
4	20 yrs. or less		x 1500 g/d/mi =	0 g/d

B All Other Types of Pipes and Joints

5	60 yrs. or greater		x 2500 g/d/mi =	0 g/d
6	40-60 yrs.	46.81	x 2000 g/d/mi	93620 g/d
7	20-40 yrs.	3.72	x 1500 g/d/mi =	5580 g/d
8	20 yrs. or less	0.027	x 1000 g/d/mi =	27 g/d
9	Total Miles	50.557	Total Leakage	99227 g/d

10 Total Maximum Unavoidable Leakage, in MGD (divide total leakage on line 9 by 1,000,000 — 0.099227 MGD

(Enter this amount on line 31 of "Section II - Water Use Audit")

Section IV - Conversion Table

Below are conversion calculations to convert the most commonly used units to units of millions gallons per day (MGD).

To convert cubic feet per year (cf) to (MGD) use:

cf x 7.48 ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per year (g) to (MGD) use:

g ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per day (g/d) to (MGD) use:

g/d ÷ 1,000,000 = MGD

To convert million gallons per year (mg) to (MGD) use:

mg ÷ 365 = MGD

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2010 Annual Water Use Audit Form (LMO-2)

This form must be completed by all Category IA and IIB Permittees for each annual water use accounting year running from October 1st through September 3 0th. This form must be submitted to Department by December 31st, 2010

Section I- General Information

Name, address and phone number of Permittee:

ILLINOIS - AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517

COUNTRY CLUB

County : DUPAGE

Name, address and phone number of the contact person for the Permittee:

MR. KEVIN HILLEN
ILLINOIS-AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517
630.739.8845

Authorized Official: KEVIN HILLEN

Title: OPERATIONS SUPERINTENDENT FIELD SERVICES

Date: 12/30/2010

Please provide the following leak survey information and population estimates for the last year

Results and recommendations of leak surveys conducted on the water distribution system including progress made in leak repair, (attach to back of form)

Population: 1,149 Number of existing households: 383
Commercial: 3

The Illinois Department of Natural Resources is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Chapter 19, Section 120.2 of the Illinois Revised Statutes. Disclosure of this information is required. Failure to provide any information will result in this form not being processed. This form has been approved by the Forms Management Center, Central Management Services

Section II - Water Use Audit

Enter the amount of water pumped and utilized for each item shown below. All amounts entered in this section must be in units of million gallons per day (MGD) rounded off to 3 decimal places to the right of the decimal. Conversion calculations are provided for your use in Section IV to convert other commonly used units to MGD.

A. PUMPAGE DATA		
1 Lake Michigan Pumpage	0.087	MGD
2 Shallow Aquifer Pumpage		MGD
3 Deep Aquifer Pumpage		MGD
4 Total Pumpage (Add lines 1, 2, & 3)	0.087	MGD
5 Water Treatment Use		MGD
6 Gross Annual Percentage (subtract line 5 from line 4)	0.087	MGD

Water sold or provided to any other distribution systems (enter the name of each system and the amount sold or provided to that system on lines 7 through 12). If additional lines are required, attach an additional sheet listing each system and amount.

7		MGD
8		MGD
9		MGD
10		MGD
11		MGD
12		MGD
13 Total (add lines 7-12 and any additional amounts)	0	MGD
14 Net Annual Pumpage (subtract line 13 from line 6)	0.087	MGD

B. USES	METERED	UNMETERED		
15 Residential	383		0.076	MGD
16 Commercial and Manufacturing	3		0.004	MGD
17 Municipal				MGD
18 Construction				MGD
19 Total Uses (add Total lines 15 through 18)			0.080	MGD
20 Percentage of Total Use to Net Annual Pumpage (divide line 19 by line 14 and multiply by 100)			92	%

C. HYDRANT USES		
21 Firefighting and Training		MGD
22 Water Main Flushing		MGD
23 Sewer Cleaning		MGD
24 Street Cleaning		MGD
25 Construction		MGD
26 Other (attach explanation)		MGD
27 Total Hydrant Use (add lines 21 through 26	0.00	MGD
28 Percentage of Hydrant Use to Net Pumpage (divide line 27 by line 14 and multiply by 100)	0.00	%
29 Department Requirement for Hydrant Use	1.0	%
30 Excessive hydrant use (subtract line 29 from line 28). If the percentage is greater than 0.0, attach explanation. [see Rule 730307(c)]	-1.00	%

D. Unavoidable Leakage and Unaccounted for Flow

31	Maximum Unavoidable Leakage (Do worksheet in Section III; enter amount from line 10 of the worksheet)	0.009 MGD
32	Percentage of Maximum Unavoidable Leakage to Net Annual Pumpage (divide line 31 by line 14 and multiply by 100)	10.45 %
33	Total Accounted for Flow (add lines 19, 27 and 31)	0.089 MGD
34	Percentage of Total Accounted for Flow to Net Annual Pumpage (divide line 33 by line 14 and multiply by 100)	102.19 %
35	Total Unaccounted for Flow (subtract amount on line 33 from line 14)	-0.002 MGD
36	Percentage of Total Unaccounted for Flow to Net Annual Pumpage (divide line 35 by line14 and multiply by 100)	-2.19 %

Please Check Your Calculations

The sum of lines 33 and 35 should equal line 14. If they do not equal, recheck your calculations.
The sum of lines 34 and 36 should equal approximately 100%. If not, check your calculations.

Section III - Maximum Unavoidable Leakage Worksheet

Complete the following calculations to determine your maximum unavoidable leakage. Enter the appropriate amounts in the spaces provided.

A Cast Iron Pipes With Lead Joints

	Age of Pipe	Miles of Pipe	Leakage Rate*	Unavoidable Leakage**
1	60 yrs. or greater		x 3000 g/d/mi =	0 g/d
2	40-60 yrs.		x 2500 g/d/mi =	0 g/d
3	20-40 yrs.		x 2000 g/d/mi =	0 g/d
4	20 yrs. or less		x 1500 g/d/mi =	0 g/d

B All Other Types of Pipes and Joints

5	60 yrs. or greater		x 2500 g/d/mi =	0 g/d
6	40-60 yrs.	4.17	x 2000 g/d/mi	8340 g/d
7	20-40 yrs.		x 1500 g/d/mi =	0 g/d
8	20 yrs. or less	0.751	x 1000 g/d/mi =	751 g/d
9	Total Miles	4.921	Total Leakage	9091 g/d

10 Total Maximum Unavoidable Leakage, in MGD (divide total leakage on line 9 by 1,000,000 — 0.009091 MGD
(Enter this amount on line 31 of "Section II - Water Use Audit")

Section IV - Conversion Table

Below are conversion calculations to convert the most commonly used units to units of millions gallons per day (MGD).

To convert cubic feet per year (cf) to (MGD) use:

cf x 7.48 ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per year (g) to (MGD) use:

g ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per day (g/d) to (MGD) use:

g/d ÷ 1,000,000 = MGD

To convert million gallons per year (mg) to (MGD) use:

mg ÷ 365 = MGD

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Office of Water Resources
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36 S. Wabash Avenue, Room 1415 Chicago, Illinois 60603-2921 312.796.3123 Fax 312.7935968

2010 Annual Water Use Audit Form (LMO-2)

This form must be completed by all Category IA and IIB Permittees for each annual water use accounting year running from October 1st through September 3 0th. This form must be submitted to Department by December 31st, 2010

Section I- General Information

Name, address and phone number of Permittee:

ILLINOIS - AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517

DUPAGE LISLE

County : **DUPAGE**

Name, address and phone number of the contact person for the Permittee:

MR. KEVIN HILLEN
ILLINOIS-AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517
630.739.8845

Authorized Official: KEVIN HILLEN

Title: OPERATIONS SUPERINTENDENT FIELD SERVICES

Date: 12/30/2010

Please provide the following leak survey information and population estimates for the last year.

Results and recommendations of leak surveys conducted on the water distribution system including progress made in leak repair. (attach to back of form)

Population: 3,012 Number of existing households: 1004
Commercial: 49

The Illinois Department of Natural Resources is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Chapter 19, Section 120.2 of the Illinois Revised Statutes. Disclosure of this information is required. Failure to provide any information will result in this form not being processed. This form has been approved by the Forms Management Center, Central Management Services.

Section II - Water Use Audit

Enter the amount of water pumped and utilized for each item shown below. All amounts entered in this section must be in units of million gallons per day (MGD) rounded off to 3 decimal places to the right of the decimal. Conversion calculations are provided for your use in Section IV to convert other commonly used units to MGD.

A. PUMPAGE DATA		
1 Lake Michigan Pumpage	0.474	MGD
2 Shallow Aquifer Pumpage		MGD
3 Deep Aquifer Pumpage		MGD
4 Total Pumpage (Add lines 1, 2, & 3)	0.474	MGD
5 Water Treatment Use		MGD
6 Gross Annual Percentage (subtract line 5 from line 4)	0.474	MGD

Water sold or provided to any other distribution systems (enter the name of each system and the amount sold or provided to that system on lines 7 through 12). If additional lines are required, attach an additional sheet listing each system and amount.

7		MGD
8		MGD
9		MGD
10		MGD
11		MGD
12		MGD
13 Total (add lines 7-12 and any additional amounts)	0	MGD
14 Net Annual Pumpage (subtract line 13 from line 6)	0.474	MGD

B. USES	**METERED**	**UNMETERED**		
15 Residential	1004		0.362	MGD
16 Commercial and Manufacturing	49		0.062	MGD
17 Municipal				MGD
18 Construction				MGD
19 Total Uses (add Total lines 15 through 18)			0.424	MGD
20 Percentage of Total Use to Net Annual Pumpage (divide line 19 by line 14 and multiply by 100)			90	%

C. HYDRANT USES		
21 Firefighting and Training		MGD
22 Water Main Flushing	0.003	MGD
23 Sewer Cleaning		MGD
24 Street Cleaning		MGD
25 Construction		MGD
26 Other (attach explanation)		MGD
27 Total Hydrant Use (add lines 21 through 26	0.00	MGD
28 Percentage of Hydrant Use to Net Pumpage (divide line 27 by line 14 and multiply by 100)	0.63	%
29 Department Requirement for Hydrant Use	1.0	%
30 Excessive hydrant use (subtract line 29 from line 28). If the percentage is greater than 0.0, attach explanation. [see Rule 730307(e)]	-0.37	%

D. Unavoidable Leakage and Unaccounted for Flow

31	Maximum Unavoidable Leakage (Do worksheet in Section III; enter amount from line 10 of the worksheet)	0.035 MGD
32	Percentage of Maximum Unavoidable Leakage to Net Annual Pumpage (divide line 31 by line 14 and multiply by 100)	7.44 %
33	Total Accounted for Flow (add lines 19, 27 and 31)	0.463 MGD
34	Percentage of Total Accounted for Flow to Net Annual Pumpage (divide line 33 by line 14 and multiply by 100)	97.58 %
35	Total Unaccounted for Flow (subtract amount on line 33 from line 14)	0.011 MGD
36	Percentage of Total Unaccounted for Flow to Net Annual Pumpage (divide line 35 by line14 and multiply by 100)	2.42 %

Please Check Your Calculations

The sum of lines 33 and 35 should equal line 14. If they do not equal, recheck your calculations.
The sum of lines 34 and 36 should equal approximately 100%. If not, check your calculations.

Section III - Maximum Unavoidable Leakage Worksheet

Complete the following calculations to determine your maximum unavoidable leakage. Enter the appropriate amounts in the spaces provided.

A Cast Iron Pipes With Lead Joints

	Age of Pipe	Miles of Pipe	Leakage Rate*	Unavoidable Leakage**
1	60 yrs. or greater		x 3000 g/d/mi =	0 g/d
2	40-60 yrs.		x 2500 g/d/mi =	0 g/d
3	20-40 yrs.		x 2000 g/d/mi =	0 g/d
4	20 yrs. or less		x 1500 g/d/mi =	0 g/d

B All Other Types of Pipes and Joints

5	60 yrs. or greater		x 2500 g/d/mi =	0 g/d
6	40-60 yrs.	15.85	x 2000 g/d/mi	31700 g/d
7	20-40 yrs.	2.39	x 1500 g/d/mi =	3585 g/d
8	20 yrs. or less	0	x 1000 g/d/mi =	0 g/d
9	Total Miles	18.24	Total Leakage	35285 g/d

10 Total Maximum Unavoidable Leakage, in MGD (divide total leakage on line 9 by 1,000,000 — 0.035285 MGD
(Enter this amount on line 31 of "Section II - Water Use Audit")

Section IV - Conversion Table

Below are conversion calculations to convert the most commonly used units to units of millions gallons per day (MGD).

To convert cubic feet per year (cf) to (MGD) use:

cf x 7.48 ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per year (g) to (MGD) use:

g ÷ 1,000,000 ÷ 365 = MGD

To convert gallons per day (g/d) to (MGD) use:

g/d ÷ 1,000,000 = MGD

To convert million gallons per year (mg) to (MGD) use:

mg ÷ 365 = MGD