

**ILLINOIS
DEPARTMENT OF
NATURAL RESOURCES**
Office Of Water Resources

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

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

OFC 312/793-3123 FAX 312/793-5968

3.084

2008 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 30th. This form must be submitted to Department by December 31, 2008

Section I- General Information

Name, address and phone number of Permittee:

ILLINOIS - AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517
630-739-8854

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OFFICE OF WATER RESOURCES
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County : COOK and WILL

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

STEVE PHILLIPS
ILLINOIS-AMERICAN WATER COMPANY
1000 INTERNATIONALE PARKWAY
WOODRIDGE, IL 60517
630-739-8854

HOMER TOWNSHIP DIVISION
Derby meadows

Authorized Official: STEVE PHILLIPS

Title: PRODUCTION SUPERINTENDENT

Date: 11/25/2008

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 21,396 Number of existing households 7,132
(Commercial 158)

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.

D. Unavoidable Leakage and Unaccounted for Flow	
31 Maximum Unavoidable Leakage (Do worksheet in Section III; enter amount from line 10 of the worksheet)	<u>0.173 MGD</u>
32 Percentage of Maximum Unavoidable Leakage to Net Annual Pumpage (divide line 31 by line 14 and multiply by 100)	<u>8.32 %</u>
33 Total Accounted for Flow (add lines 19, 27 and 31)	<u>1.997 MGD</u>
34 Percentage of Total Accounted for Flow to Net Annual Pumpage (divide line 33 by line 14 and multiply by 100)	<u>96.05 %</u>
35 Total Unaccounted for Flow (subtract amount on line 33 from line 14) ...	<u>0.082 MGD</u>
36 Percentage of Total Unaccounted for Flow to Net Annual Pumpage (divide line 35 by line 14 and multiply by 100)	<u>3.95 %</u>

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.	78.76	x 1500 g/d/mi =	118140 g/d
8 20 yrs. or less	54.84	x 1000 g/d/mi =	54840 g/d
9 Total Miles	133.6	Total Leakage	172980 g/d
10 Total Maximum Unavoidable Leakage, in MGD (divide total leakage on line 9 by 1,000,000			<u>0.17298 MGD</u>
(Enter this amount on line 31 of "Section II - Water Use Audit")			