

Village of Lynwood  
21460 Lincoln Highway  
Lynwood, IL 60411

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# 2005 DRINKING WATER QUALITY REPORT

FROM: The Lynwood  
Water Department



Lynwood— IL0311680  
Annual Water Quality Report for the period of  
January 1 to December 31, 2005.

This report is intended to provide you with important information about your drinking water and the efforts made by the Lynwood Water Department to provide safe drinking water. The source if drinking water used by Lynwood is Purchase Water from Lake Michigan.

From More information regarding this report contact:

Robert Myers, Director of Public Works

Phone 708-758-8434

Este informe contiene informacion muy importante sobre el aqua que usted bebe. Traduzcalo o hable con alguien que lo entienda bien.

## SOURCE OF DRINKING WATER

The sources of drinking water (both tap & bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and ground water wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and , in some cases, radioactive material, and can pickup substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

*Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.*

*Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial , or domestic wastewater discharges, oil and gas production, mining or farming.*

*Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.*

*Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by products of industrial processes and petroleum production, and can also come from gas station, urban storm water runoff, and septic systems.*

*Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.*

*Drinking water, including bottled, water, may reasonably be expected to contain at least small amounts of some contaminants . The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at (800) 426-4791.*

*In order to ensure that tap water is safe to dink, EPA prescribes regulation which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits on certain contaminants in bottled water which must provide the same protection for public health.*

*Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).*

Report for the period of January 1 to December 31, 2005.

This report is intended to provide you with important information regarding water quality.



Mailing Address Line 1  
Mailing Address Line 2  
Mailing Address Line 3  
Mailing Address Line 4  
Mailing Address Line 5



**Where your Water Originates From:**

Lynwood purchases water from both Munster Indiana & Lansing Illinois who both purchase their supply from Hammond Indiana who pumps water directly from Lake Michigan.

**About Lynwood Water Department**

Lynwood currently has 4 State of Illinois Certified Class "C" Water Operators. There are currently 2 Water Towers & 1 Reservoir with a storage capacity of 2,250,000 gallons of water. During peak summer periods Lynwood has reached 1.6 million gallons of water pumped in a day. Lynwood Water Operators include:  
 Robert Myers, Director Public Works  
 Ray Wagner, Superintendent Public Works  
 Dale Vander Woude, Water Operator  
 Anthony Ferry, Water Operator

**How Good is Lynwood Water:**

We are proud to say again that Lynwood had no water quality violations. Our water meets or exceeds established water quality standards. And the testing results are included in this report that we are happy to share with you.

**Water Quality Definitions:**

The tables in this report contain scientific terms and measures, some of which may require explanation.

**Maximum Containment Level (MCL):** The highest level of a contaminant allowed in drinking water. MCL's are set as close to the Maximum Containment Level Goal as feasible using the best available treatment technology.

**Maximum Containment Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

**Mg/l:** milligrams per liter or parts per million—or one ounce in 7,350 gallons of water.

**Ug/l:** micrograms per liter or parts per billion—or one ounce in 7,350,000 gallons of water.

**Na:** Not Applicable

**Avg:** Regulatory compliance with some MCLs are based on running annual average of monthly samples.

**Maximum Residual Disinfectant Level (MRDL):** The highest level of disinfectant allowed in drinking water.  
**Maximum Residual Disinfectant Level Goal (MRDLG):** The Level of disinfectant in drinking water below which there is no known or expected risk to

**2005 Water Testing Results for Hammond, Indiana**

	Date Tested	Unit	Maximum Allowed (MCL)	Goal (MCLG)	Range of Detected Levels
<b>Disinfectant &amp; Disinfection By-Products</b>					
Inorganic Contaminants					
Disinfectant Residual	2005	ppm	n/a		0.7-2.5
<b>Contaminants</b>					
Total Haloacetic Acids					
IOC Detected as Follows	2005	ppb	60	n/a	2.6-15.0
Fluoride	2005	ppm	n/a	n/a	0.6-1.4
Sodium	2005	ppm	n/a	n/a	8.4 mg/l

**Turbidity Levels at the entry point to the Distribution System were as follows**

Turbidity (NTU's) @ 0.16 NTU's Tested in 2005  
 100% of same were equal to or less that 0.30 NtU's

**The following contaminants were not detected in the finished water at the entry point to Hammond's distribution point.**

Synthetic Organic Contaminants (SOC's)  
 Volatile Organic Compounds (VOC's)  
 Any Unregulated Contaminants

**Definitions of Terms & Water Quality Data Footnotes**

**NTU-Nephelometric** Turbidity Measurement of Clarity, or Turbidity of Water

**TT-Treatment technique:** A required process intended to reduce the level of a contaminant in drinking water.

**Water Quality Data Footnotes**

**Turbidity** is a measure of the cloudiness of water. It is a good indicator of water quality and the effectiveness of Hammond's system and disinfectants.

**Fluoride** is a water additive that promotes strong teeth. The Illinois Dept. of Public Health recommends an optimal fluoride range of 0.9mg/l to 1.2 mg/l.

**Sodium**, there is not a state or federal MCL for sodium. Monitoring is provided as information to customers and health officials that are concerned about sodium intake. If you are on a sodium restricted diet or are concerned about the quantity of sodium in water you should consult a physician about the level in water.  
 Erosion of natural occurring deposits: also used as a water softener.

**If you have any questions regarding our parent water supplier's data please contact the Hammond Water Department.**

**LYNWOOD SAMPLE RESULTS**

**2005 Regulated Contaminants Detected**

**Lead/Copper Date Sampled: 7/12/2005 - Definitions Below**

Lead MCLG	Lead Action Level (AL)	Lead 90th Percentile	#Sites over Lead AL	Copper MCLG	Copper Action Level (AL)	Copper 90th Percentile	#Sites over Copper AL	Likely Source of Contamination
0	15 ppb	<5 ppb	0	1.3 ppm	1.3 ppm	0.1288 ppm	0	Corrosion of household plumbing systems; Erosion of natural deposits

**Regulated Contaminants**

Disinfectants & Disinfection By-Products	Collection Date	Highest level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contaminants
Total Haloacetic Acids (HAA5)	7/12/2005	6.39	6.19-6.39	N/A	60	ppb	No	By-Products of drinking water chlorination
TTHMs [Total Trihalomethanes]	7/12/2005	21.5	17.58-21.15	N/A	80	ppb	No	By-Products of drinking water chlorination
Chlorine	7/31/2005	1.15	1.0047-1.15	MRDLG=4	MRDL=4	ppm	No	Water additive used to control microbes

**Action Level Goal (ALG):** The level of a contaminant in drinking water which there is no known or expected health risk. ALG's allow for a margin of safety

**Action Level (AL):** The concentration of a contaminant which if exceeded, triggers treatment or other requirements which a water system must follow