



# FOX RIVER GROVE QUARTERLY

A newsletter for and about the Village of Fox River Grove

SUMMER 2012

## Village News

### New Village Ordinances

The Village will be making changes to our ordinances regarding streets and parking. Beginning in 2013, there will be no parking on Village streets from 2 a.m. to 6 a.m. year round. Many of our older streets are very tight and when cars are parked on either or both sides it makes travel very difficult, especially for any emergency vehicles.

Another change will be with parking pads. Many streets without curbs have cars parking on the right-of-ways in front of their homes on the dirt and gravel. That is against Village ordinance. Parking in the right-of-ways crumbles the road edges and is slowing destroying the streets. In 2014 all right-of-way parking pads must meet Village standards and be approved by the Village.

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### Water Main Breaks

The Village would like to thank everyone for their cooperation during the recent water main breaks. This is the first time that has happened and we appreciate everyone's patience during this time.

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### Mortgage Relief Project

There is a new government program that can help residents that may be in danger of losing their homes. House Representatives **Carol Sente** and **Rita Mayfield** are hosting an event on Saturday, June 9th from 9 a.m. - 1 p.m. at the College of Lake County, 1120 South Milwaukee Avenue, Vernon Hills, IL. To register or for more information call 1-800-532-8785 or visit [www.idfpr.com](http://www.idfpr.com).

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### Sign Up For Free Notifications

Visit [www.foxrivergrove.org](http://www.foxrivergrove.org) to sign up for notifications from the Village and the Police Department. The service is free and comes to your email account. You do need to sign up for both separately.

## FRG Fireworks 2012!

The annual Fireworks Show will be Saturday, July 7th at Picnic Grove Park. The park opens and festivities begin at 6:00 p.m. with food, drink and music! **Marty Monti** and **Rick Cornwall** will be there with music and announcements throughout the evening. The FRG Lions and Lioness Clubs, the Cary-Grove Jaycees, Jaycee Ambassadors and Cary-Grove Masons will be selling good eats and drinks. Without your purchases, they can't do the good work they do. The Cary-Grove Area Chamber of Commerce will be hosting a childrens activity area. Village volunteers will be selling glow-in-the-dark necklaces. Each of our community groups generously donates half of their profits back to the fireworks fund. So, bring your family and friends early to have dinner, visit with neighbors and listen to the music before the fireworks.



about to begin, no one will be allowed to enter through the front gate – safety first.

- **No carry-ins of food or drink are allowed.** Other than a non-alcoholic drink in one hand, there will be no carry-ins of alcohol, pop, water, snacks, etc. Food and drinks are available to purchase. Please make it easy on the volunteers policing the grounds and support the local groups that are donating their time, half their profits to help pay for the fireworks, and half their profits to helping others. Prices are very reasonable!

- **No pets are allowed.** You may love your dog or cat, but they may scare others that are attending, or make a mess in a crowded area, so no pets are allowed.

- **Please do not trespass on private property as you make your way to and from the park.** Many

wooded areas are actually private property. Call the Village Hall if you are uncertain.

- **Please don't litter!** Let's keep our parks clean and make it easier for the Sunday morning volunteers.

Thank you to all the residents who have donated money to the fireworks with their vehicle sticker purchase (many have donated \$5, \$10 and \$20) and those that have dropped it into the donation jars around town. It really helps us provide this great family evening!

Anyone able to help with the set-up and take down after the fireworks show of the tents, tables and chairs, or cleanup at 8 a.m. Sunday morning, please contact the Village Hall at (847) 639-3170. Please consider lending a hand! The more people we have helping the quicker it goes.

Reminders.....

- **No entry after 9:00 p.m.** Once the fireworks are

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### Bus Routes

There is no parking in or near the park. Walk on over or take the free shuttle. The routes are:

**Route #1:** (one bus) **Victoria Woods/Hunters Farm/Welch's Subdivision:**

Victoria Drive/Tiffany Lane, Camilla Place/Jasmine Way, Victoria Drive/Jasmine Way, Bridle Path Lane/Saddle Lane, Bridle Path Lane, Morgan Lane, Saddle Lane/Morgan Lane

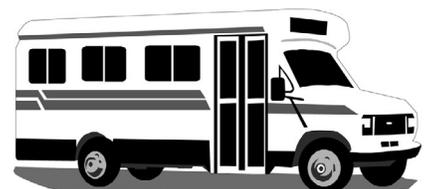
**Route #2:** (two buses) **Foxmoor Route:**

Old Hunt Road/Plum Tree Road, Old Hunt Road/

Lexington Road, Foxmoor Road/Yorkshire Drive, Algonquin Road Fire Station

**Route #3:** (one bus) **South Route:**

Algonquin Road School, Lion's Park, Commuter/Metra Lot



# The President's Letter

Well here we are at our second try at summer after the very hot days we had in April. Most of our flowers really got mixed up as to what they were doing or not doing.



Also, this is the time of year that we get our property tax bills. Once again it was not particularly good news, and it points out the fact that the Village needs to press for downtown redevelopment and more businesses paying taxes so as to reduce the reliance on home owner taxes.

The Village Trustees, keenly aware of the need for downtown redevelopment, have authorized a Tax Increment District (TIF) encompassing much of the Lincoln – Route 14 areas.... this provides limited incentives for new businesses or housing to come to the area.

The TIF District by itself will not provide all the funds that will be necessary for the Village's portion of the redevelopment. Providing such funds was the purpose of the referendum on the sales tax, which was on the last election ballot. As you know by now, that issue did not pass, in fact it was a tie. I still see the need for this funding for downtown development and thus indirectly to reduce reliance on homeowners. Maybe it will come up again.

This need for new revenue via development has also led us to some personnel changes. One of these was the position of Village Administrator. Our past Administrator, Mr. Osten has left and the Trustees and I are currently interviewing people to take the Village in this new direction.

There was a water system problem in mid-May that caused the issuance of a boil water requirement. I want to thank all of you for your forbearance and understanding during this difficult water outage. It was caused by old infrastructure and operational difficulties. The Village used several ways to notify all of you, radio, TV, phone and email. If you did not get a notification, it is important that you sign up at our website for email notifications: [www.foxrivergrove.org](http://www.foxrivergrove.org).

Some good news, this last period we have had the pleasure of welcoming several new businesses to the Village: Pep Boys, Sherwin Williams Paint Store, The Cary Grove Animal Hospital, Verizon Phone Store and Fox Valley Jewelry and Pawn Shop. Be sure to stop by and check them out!

I would like to thank our 2011 Miss FRG, Leslie Michaelchuck, for the excellent job she has done representing our community and welcome Keely Robinson, Miss FRG 2012. Keely was also this year's Miss Congeniality. Congratulations to both of these talented young women.

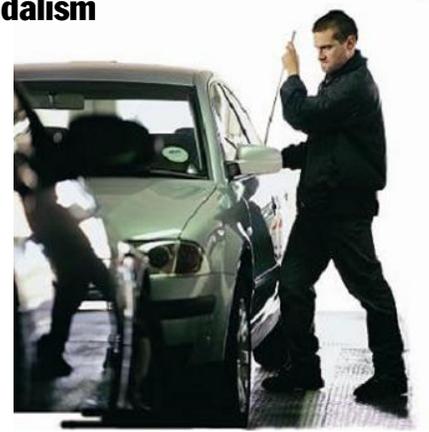
Hope to see you at the Fireworks on July 7th!

Robert J. Nunamaker  
President, Village of Fox River Grove

# Preventing Theft, Break-Ins And Vandalism

Protecting your identity is important, but you also need to take action to protect your property. Be sure to keep your doors and windows (including upstairs) locked and your garage door closed. Install and use deadbolts on your outer doors. Don't leave keys outside hidden in a flowerpot or under a rock. If you need an extra key, give it to a trusted relative or neighbor. Don't leave your newspapers laying on the driveway or mail in your mailbox. It looks like you're not home.

To protect your car, park in your garage, if you have one. Don't leave your vehicle in an unattended public lot for an extended period of time. Don't leave spare keys in your car; carry them in your wallet. Park in a well-lit spot. Be sure your car has interior hood and trunk locks and a locking gas tank cap. Never leave any valuables in plain sight. Remove your cell phone, audio system, laptop, GPS, cameras, purses, sports equipment,



etc. Lock items in your trunk before you park or take them with you.

You can't always prevent bad things from happening, but by being prepared, you make them less likely!

## Call J.U.L.I.E. Before You Dig

Spring is the season for digging and with it comes the lure of outdoor projects. All outdoor digging projects, including the smallest tasks, require a call to JULIE at 1-800-892-0123. One free call does it all to protect you from digging where utilities are buried – it's simple, safe and the law.

Have the following information ready when you call:

- Your name, address and phone number
- County and city or county and unincorporated area of township
- Your company's name and address (if applicable)
- Location of the dig site
- Extent of the work involved (reason you're digging)
- Date work will begin
- Permit number (if applicable)
- Section and quarter numbers (if available)

After providing JULIE with the above information, the JULIE operator will give you a "dig

number". Be sure to write this number down as it serves as proof of your call.

You will also need to reference this number if subsequent calls to JULIE are necessary (e.g. to have utility marks refreshed).

The call to JULIE and service provided by members are free to the excavator. Operators are available to receive and process calls 24 hours a day, seven days a week.

In Illinois alone there are more than two million miles of underground utility lines. The smallest job could cause a huge problem if you were to hit a line. Even before putting up a yard tent, you should call. Please do not dig without marks. It could save your or your neighbor's lives!

For more information about JULIE call 1-800-892-0123 or visit online at [www.illinois1call.com](http://www.illinois1call.com).



## Save the Date! 27th Annual Heritage Fair – July 8th

The McHenry County Historical Society presents its free annual Heritage Fair on Sunday, July 8, from 10:00 a.m. to 4:00 p.m. on the Society's museum grounds 6422 Main Street in Union, IL.

This year's theme is "Hats Off to Home Towns." Visitors are encouraged to wear fun and unique-themed hats while visiting the fair. In the morning, there will be a pie baking contest and cake walks. The popular barbershop quartet, *The Clef Hangers* will be there along with AWS-certified quilt appraiser, artist, and teacher **Sandy Schweitzer** who will demonstrate a quilt bed turning.

Throughout the day there will be sales of baked goods, vintage clothing, garden plants, and an

indoor used book and white elephant sale. An antiques auction takes place at 1 p.m. on the museum lawn with auctioneer **Russ Davis** who will be auctioning off a wide variety of pre-1950's antiques and collectibles. **Freddy Fredrick's** popular magic show will also be held in the afternoon along with roving professional magicians throughout the day.

Visitors are invited indoors to view the museum's featured exhibit honoring the 100th Anniversary of Girl Scouts. Admission is free. The residents of Union will also be holding garage sales throughout the Village. Visit [www.mchsonline.org](http://www.mchsonline.org) for more information.



## Help The Water Department

Please be sure the water meter reading display, outside of your home, is clear of bushes and shrubs. It needs to be easily accessible for the meter readers to get an accurate read.

## Village Hall

Don't forget there are drop-off boxes for eyeglasses and food donations for the Cary-Grove Food Pantry at Village Hall. There is always a need!

## Tax Bills

Lake County tax bills are due June 6th with the second installment due September 6th. McHenry County tax bills are due June 11th with the second installment due September 11th.

## School's Out

Summer is upon us and we need to remember that kids are out riding their bikes, playing ball and enjoying the summer. Please use extra caution when driving. Do not block the sidewalks with your cars. And, for everyone's safety, don't walk in the streets.

## Saving \$'S

The Village of Fox River Grove recently had the opportunity to save money by reducing electrical demand at the Wastewater Treatment Plant, Water Treatment Plant #1 and Water Treatment Plant # 2. An Illinois Clean Energy Community Foundation and DCEO grant allowed the Village to replace a total of 161 inefficient magnetic ballast type light fixtures with new electronic ballast fixtures. An estimated \$3298 electric energy savings a year results in 1 year cost pay back.

## Boat And Trailer Parking

Boating season has begun. Boats are considered sailboats, motorboats, kayaks, canoes, and rowboats. Watercraft means a 1 - 2 person vessel powered by a water jet or propeller. The following are the Village's regulations regarding boats and trailers:

- Parking on residential lots that border the Fox River: Minimum of three (3) feet from the sidewalk or ten (10) feet from the street – unless parked in a garage.
  - Parking on residential lots that do not border the Fox River: December 1 - March 31, no parking in the front yard unless within a garage. April 1 – November 30, minimum of three (3) feet from the sidewalk or ten (10) feet from the street – unless parked in a garage.
- There is no motorized boat launching allowed in any of the parks. Enjoy a safe and fun boating season!

# Pet Problems

Clean up after your pets! Pet waste left on yards, streets and parkland eventually washes into storm sewers and empties untreated into our streams, ponds, rivers and lakes. Coliform bacteria in pet waste are harmful to our health. To help keep drinking water and our natural resources safe and healthy, follow these easy guidelines:

- Carry a plastic bag when you walk your pet to pick up the waste.
- Throw pet waste away in the trash or toilet, not in storm drains.
- When treating your pet and yard for fleas or ticks, check with your veterinarian for safe substitutes that will minimize impact to the storm drains and your family.
- Dispose of flea dip liquid as a household hazardous waste, not in storm drains.

The Village does receive complaints from residents about dogs running loose, owners who

are not picking up after their dogs and constantly barking dogs. Village Ordinances require that all dogs need to be on a leash and that any dog running loose is a nuisance.

It is also required that all pet owners must immediately remove feces or vomit from any street, alley, public property or private property. And, there is a noise ordinance which covers barking dogs. Don't leave your dog outside to disturb your neighbors. Please be a responsible pet owner and respect your neighbors and visitors to our community.



## Storm Water Pollution – Help Protect Our Valuable Water Resources

Storm water pollution prevention begins at home. Pollution in storm water runoff threatens our drinking water supplies, swimming, fishing and other recreational water use. Storm water runoff comes from the rain and melting snow that flows off streets, lawns, parking lots, rooftops, open fields and other exposed areas.

Lets think about it, everyone lives in a watershed. A watershed is the area of land that catches rain and snow melt, which then drains into a common body of water. In Fox River Grove, the curb and gutters or drainage ditches that run along your street are the first part of your neighborhood's drainage system within the watershed. The stream or pond that receives storm water drainage from streets of several neighborhoods is part of a larger watershed. That stream in turn flows into a larger stream, lake or river. This means that pollution in any part of a watershed can affect the quality of the receiving water body. Unlike sanitary sewers, anything dumped into the storm drain system flows directly into the nearest lake, stream or creek and ultimately the Fox River without any treatment to remove contaminants.

What can I do to help?

- Don't dump leaves or other yard waste into streets, storm drains, ditches or creeks
- Use a mulching mower or a mulching blade and leave grass clippings on the lawn as fertilizer
- Pick up pet waste. Bacteria from pet waste are a serious threat to the quality of our water.
- Never pour used oil, paint thinners, or other chemicals into storm drains, waterways or on the ground surface. Recycle used oil and dispose chemicals properly.
- Use lawn chemicals sparingly, according to directions. Organics are a good alternative.
- Keep vehicles properly tuned and repair any fluid leaks
- Wash vehicles and equipment on the lawn to reduce runoff into storm drains
- Keep litter and recycling contained to prevent entering storm drains.

The Village of Fox River Grove applauds your efforts to reduce storm water pollution.

## Vehicle Stickers

It's that time of year again. New vehicle stickers are now on sale. Many of you have received the pre-printed forms in the mail. If you haven't, just stop by the Village Hall to pick up your stickers. You do not need the actual card in order to receive them. The income from the stickers helps to pay for road repairs.

This year the Village Board decided to give one free vehicle sticker to each household. It is the least expensive sticker at that address. All residents living in the incorporated areas of Fox River Grove are required by ordinance to display a vehicle sticker in every vehicle owned or operated in the Village.

- Cars, RV's .....\$20
  - Motorcycles .....\$10
  - Trucks with A & B plates.....\$26
  - Trucks with C plates and above .....\$60
  - Replacement/Transfer Fee.....\$12
  - Senior Citizens (One per family- age 65...\$ 2
- Late Penalty: 50% between July 1st and July 31st and 100% starting August 1st.

## 60 Years of Service!

Congratulations to Penny Toppel, John Reese and Ron Lukasik on their 20 year anniversaries with the Village of FRG!! Your hard work is appreciated!!



# CALENDAR OF EVENTS

- ◆ **FRG Firefighters Steve Macko Memorial Golf Outing**..... June 15th  
Enjoy the day with your favorite foursome.
- ◆ **Veteran's Picnic**..... June 27th  
Amvets & American Legion hosting the annual picnic for the Vets at Lions Park
- ◆ **Vehicle Sticker Deadline**..... June 30th  
The last day to purchase and display your sticker before the late fee.
- ◆ **Fireworks 2012** ..... July 7th  
Enjoy the shows and some good old-fashioned community fun at Picnic Grove Park!
- ◆ **FRG Firefighters Water Fights**..... July 8th  
Cheer on our FRG Firefighters as they challenge other departments in a water battle at Picnic Grove Park.
- ◆ **Arts & Crafts Fair**..... July 15th  
Browse and buy the beautiful handiwork of many talented crafters at Lions Park.
- ◆ **Sports Fest 2012** ..... August 19th  
Join the fun at Feinburg Court (near Wool Street) in Cary from noon - 4 p.m.
- ◆ **First Day of School**..... August 22nd  
The summer ends and the exciting school year begins.
- ◆ **Lions Fest**..... September 15th  
Enjoy this annual event held at Lions Park.

**Village Hall hours: Monday–Friday 8:30 a.m. to 4:30 p.m., Saturday 9:00 a.m. to 12:00 p.m.**

Visit the Village of Fox River Grove web site at [www.foxrivergrove.org](http://www.foxrivergrove.org) for all the latest information on events, regulations, policies, etc.

## Branch Chipping Policy

The Fox River Grove Street Department will chip tree limbs from April through November (weather permitting) on the first Tuesday of every month and after a major storm (determined by the Superintendent of Streets and Parks). The crew begins on the south side of town and works from west to east. Once complete, the north side will be done in the same manner. Chipper material must be:

- Larger than one inch (1") in diameter
- No larger than five inches (5") in diameter
- No stumps or roots
- No less than four feet (4') in length
- No more than ten feet (10') in length

Limbs must be placed in parkway with cut ends facing the road or direction of traffic flow. Small branches can be bagged for refuse.

The Village will not remove tree limbs cut down by a contractor on private property. The contractor would be responsible for the disposal of this material. Do not place branches out after the first Tuesday unless there is a major storm. Call if you have questions.



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# Village of Fox River Grove Water Quality Report – 2011

This year, as in years in past, your tap water met all U.S. and State Environmental Protection Agency (EPA) drinking water health standards. Our system vigilantly safeguards its groundwater supply, and we are working hard to continue providing the best water possible. This report summarizes the quality of water that we provided in 2011. It includes details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies.

## What is a water quality report?

The Illinois EPA requires all communities to provide drinking water quality reports to their customers on an annual basis. They include information on the water system and tables that summarize monitoring data. Consumer awareness and right-to-know were major themes of the 1996 Safe Drinking Water Act Amendments. These amendments confirm the importance of educating the consumer and added new reporting requirements to the operators of community water systems.

## Drinking Water Source.

The Village of Fox River Grove uses groundwater provided by four shallow wells constructed in the Silurian Dolomite aquifer at depths ranging from 120 ft. to 140 ft. (An aquifer is a geological formation that contains water). Two of the wells are located at Water Treatment Plant No. 1, the third and fourth wells are located at Water Treatment Plant No. 2. Each well can produce between 400 and 500 gallons per minute.

## How is the drinking water treated?

Groundwater is pumped from the wells to the treatment facilities where dissolved iron and manganese are then removed with filters. The oxidized aeration is provided to strip any volatile organic compounds out, to improve taste and odor and to oxidize iron and manganese. Fluoride is added to prevent cavities (A concentration of 1 part per million of fluoride which has shown to reduce cavities by 60%). Chlorine is added for disinfection, along with blended poly-phosphate to inhibit corrosion. Treated water is pumped to the distribution system where water storage is provided in a 500,000-gallon capacity elevated tank located on Algonquin Road. An emergency water main inter-connection with the Village of Lake Barrington provides fire protection back-up.

## Required EPA Educational Information:

Drinking water, including bottled water, may reasonably be expected to contain 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 USEPA's Safe Drinking Water Hotline (1-800-426-4791).

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 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. USEPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it can dissolve naturally occurring minerals and radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Possible contaminants consist of:

- **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, can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharge, oil and gas production, mining or farming.
- **Pesticide and herbicides**, which may come from a variety of sources such as agriculture, urban stormwater 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 stations, urban stormwater runoff and septic systems.
- **Radioactive contaminants**, which may be naturally occurring or the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the USEPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems.

Water quality testing is performed on a daily basis, with monthly bacteriological samples collected and submitted to the Illinois Environmental Protection Agency. The Village's water supply is in compliance with all EPA water quality standards and regulations.

The Village currently maintains 20.4 miles of water distribution pipe, in sizes of 4", 6", 8" and 12" diameter. There are 262 fire hydrants that are color-coded according to gallon per minute flow and 1,541 service lines to homes and business. Fire hydrants are inspected and flushed in both spring and fall to ensure they are in good working order and available for fire protection needs. The Village maintains water service lines from the b-box to the main, including the b-box. The homeowner is responsible for the service to the house including the shutoff valve before the water meter. Water meters are read and billed bi-monthly. Every other bi-monthly is estimated. The cost for one thousand gallons of water is \$6.52 plus a base charge of \$45.69 every two months for water and sewer customers as of May 1, 2012.

A cross connection safety program has been implemented to protect the public water supply from back flow and back siphoning. A drop in water pressure could result in a reverse flow into the service lines causing contaminants to be drawn into the system from cross-connections. All underground sprinkler systems and fire sprinkler systems are required to have an approved back-flow preventer device installed and tested annually.

The Village's groundwater protection program also works with local business to prevent the accidental introduction of hazardous chemicals into the groundwater.

The Village of Fox River Grove had no water quality violations during 2011.

## COMMON QUESTIONS FROM FOX RIVER GROVE WATER CUSTOMERS

### 1. What is the hardness of our Village water?

The mineral content or water hardness of the Village water is 28 grains per gallon. Anything above 10.5 grains is considered to be very hard water.

### 2. Do I need a water softener if I am on Village water?

Adding a water softener is an individual homeowner's choice. Water that is too soft makes it difficult to remove soap from your hands and might add too much salt to your drinking water. Too hard, and laundry detergents works less effectively and there is a greater chance of excessive scaling of pipes and water fixtures.

### 3. Does Fox River Grove add fluoride to the Village's water?

Yes, fluoride is added to the drinking water to prevent cavities. Water fluoridation is the single most effective public health measure to prevent tooth decay and improve oral health in both children and adults. Studies have shown that for every dollar invested in fluoridation, as much as \$38 is saved in dental treatment costs.

### 4. Is radon a contaminate concern in Fox River Grove's water?

No, radon is not a concern in the Village's water system. Radon that may naturally occur in groundwater, is removed during the aeration phase of our treatment process.

### 5. Why does the water have a chlorine taste or smell?

Chlorine is added during the treatment process as a disinfectant to prevent the re-growth of harmful bacteria in the water distribution system. To remove any chlorine taste or smell, fill a pitcher full of water and refrigerate it overnight with the lid off. The chlorine content will dissipate.

### 6. I have low water pressure, what can I do?

If the pressure is low at only a few sinks, remove the aerator from the faucet and inspect for debris that may be obstructing water flow. If the pressure is low throughout your home many times a softener may malfunction and reduce water pressure. To isolate the softener, close the bypass valve and re-check water pressure. If that does not solve the issue call the Water Department and we will investigate.

### 7. Do you give tours of your water treatment plant?

Yes, we are proud of our facilities and enjoy giving tours. We encourage citizens to schedule a tour and see where their tap water comes from. Please call Tim Zintl, Asst. Public Works Director at (847) 639-8360 to make arrangements.

### 8. Want more information?

More information is available on the Village of Fox River Grove's website [www.foxrivergrove.org](http://www.foxrivergrove.org). The Village does routine water quality testing. A table of results can be obtained at Village Hall or visit the website. If you have other questions about this report or concerning your water system, please contact Tim Zintl, Asst. Supt. Public Works, Water & Sewer Dept. at (847) 639-8360. We want our valued customers to be informed about their water quality. Also, feel welcome to attend any of our regularly scheduled Public Works committee meetings held on the 1st. Thursday of each month at 7:00 p.m. at the Village Hall, at 305 Illinois Street. Water is a valuable natural resource, please help protect our drinking water and practice good water conservation.

# Annual Drinking Water Quality Report 2011

## Source Water Assessment Summary

Based on information obtained in the Well Site Survey, published in 1989, fourteen possible problem sites were identified within the survey area of Fox River Grove. Furthermore, information provided by the Leaking Underground Storage Tank and Remedial Project Management Sections of the Illinois EPA indicated several additional sites with ongoing remediations which may be of concern. The Illinois EPA has determined that Fox River Grove's wells are susceptible to contamination. This determination is based on a number of criteria including: monitoring conducted at the wells; monitoring conducted at the entry point to the distribution system; and the available hydrogeologic data on the wells. The Illinois Environmental Protection Act provides minimum protection zones of 400 feet for Fox River Grove's wells. These minimum protection zones are regulated by the Illinois EPA. To further minimize the risk to the groundwater supply, the Illinois EPA recommends that five additional activities be assessed.

First, the village may wish to enact a "maximum setback zone" ordinance to further protect their water supply. These ordinances are authorized by the Illinois Environmental Protection Act and allow county and municipal officials the opportunity to provide additional protection up to 1,000 feet from their wells.

Second, the water supply staff may wish to revisit their contingency planning documents. Contingency planning documents are a primary means to ensure that, through emergency preparedness, the village will minimize their risk of being without safe and adequate water.

Third, the water supply staff is encouraged to review their cross connection control program to ensure that it remains current and viable. Cross connections to either the water treatment plant (for example, at bulk water loading stations) or in the distribution system may negate all source water protection initiatives provided by the village.

Fourth, the village should obtain aquifer property data and groundwater flow direction information so the recharge areas for the wells can be mapped. This information can

be obtained by completing pump tests on the wells and mass water level measurements on wells finished in the aquifers utilized by the wells. Finally, the Illinois EPA recommends that the village investigate additional source water protection management options to address land use activities within the recharge areas, when developed. Specifically, these management options must include potential impacts from point and nonpoint sources of groundwater contamination.

### Water Quality Test Results:

**Maximum Contaminant Level Goal or MCLG:** The level of a contaminant in drinking water below there is no known risk to health. MCLGs allow for a margin of safety.

**Maximum Contaminant Level or MCL:** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

**Maximum residual disinfectant level goal or MRDLG:** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits for the use of disinfectants to control microbial contaminants.

**Maximum residual disinfectant level or MRDL:** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**Definitions:** The following tables contain scientific terms and measures, some of which may require explanation.

ppb: micrograms per liter of 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 average for monthly samples.

ppm: milligrams per liter or part per million - or one ounce in 7,350 gallons of water.

## 2011 Regulated Contaminants Detected

Coliform Bacteria						
Max. Contaminant Level Goal	Total Max. Coliform Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contaminant
0	1 positive monthly sample	1		0	N	Naturally present in the environment

**Lead and Copper** - Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow. Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

	Date Sampled	MCLG	Action Level	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contaminant
Copper	9/22/2010	1.3	1.3	0.767	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; corrosion of household plumbing systems
Lead*	9/22/2010	0	15	0	2	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits

Disinfectants & Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contaminant
Chlorine	1/01/2011	0.6	0.245-0.744	MRDLG=4	MRDL=4	ppm	N	Water additive to control microbes.
HaloAcetic Acids (HAA5)*	7/14/2009	0.01	0.01 - 0.01	No goal for the total	60	ppb	N	By-product of drinking water chlorination.

Not all sample results may have been used for calculating the Highest Level Detected because some results may be part of an evaluation to determine where compliance sampling should occur in the future

Total Trihalomethanes (TTHm)*	7/14/2009	24.92	24.92 - 24.92	No goal for the total	80	ppb	N	By-product of drinking water chlorination.
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Not all sample results may have been used for calculating the Highest Level Detected because some results may be part of an evaluation to determine where compliance sampling should occur in the future

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contaminant
Arsenic	08/05/2009	1.43	1.38-1.43	0	10	ppb	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium	08/05/2009	0.117	0.107 - 0.117	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; erosion of natural deposits.
Iron	08/05/2009	1.14	1.09-1.14		1.0	ppm	N	Erosion from naturally occurring deposits.
Manganese	08/05/2009	51.6	50.1-51.6	150	150	ppb	N	Erosion from naturally occurring deposits.
Sodium	08/05/2009	84.5	84.5 - 84.5			ppm	N	Erosion from naturally occurring deposits: in water softener regeneration.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contaminant
Combined Radium 226/228	01/21/2009	0.3	0.3 - 0.3	0	5	pCi/L	N	Erosion of natural deposits

Volatile Organic Collection Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contaminant
Trichloroethylene		2	0-0	0	5	ppb	N	Discharge from metal degreasing sites and other factories.

\*If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.