



FOX RIVER GROVE

QUARTERLY

A newsletter for and about the Village of Fox River Grove

SUMMER 2014

Village News

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.

Vehicle Stickers

Vehicle stickers with our new Fox River Grove logo are on sale now. Many of you have received the pre-printed forms in the mail. If you haven't, just stop by the Village Hall to purchase your stickers. The Village Hall is open Monday - Friday from 8:30 a.m. - 4:30 p.m. and on Saturday 9 a.m. - noon.

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 - \$20
- Motorcycles - \$10
- Trucks with A & B plates - \$26
- Trucks with C plates & above - \$60
- Replacement/Transfer Fee - \$12
- Senior Citizens (Age 65 - one per family) - \$ 2
- Late Penalty:
 - 50% between July 1st and July 31st;
 - 100% starting August 1st



Sign Up For Free FRG Notifications

Visit our website - 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. This is a great way to keep informed of Village activities.

Fox River Grove Will Light Up The Sky in July!

Mark your calendars for another spectacular Fireworks Show. It will be Saturday, July 12th at the Picnic Grove Park. Festivities begin at 6:00 p.m. with food, drink and music! The FRG Lions and Lioness Clubs, the Cary-Grove Jaycees, Ambassador Jaycees and the Masons will be selling good eats and drinks. Volunteers will be selling glow-in-the-dark necklaces.

Each of our community groups generously donates half of its profits back to the fireworks fund. So, bring your family and friends early to have dinner, visit with friends and neighbors and listen to the music before the fireworks.

Reminders

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

Branch Chipping Policy

The Fox River Grove Street Department will chip tree limbs April through November (weather permitting) on the:

- First Tuesday of every month
- After a major storm (determined by the Streets and Parks Department)

The crew will begin on the south side of town and work 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

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 or \$20) and those that have dropped it into the donation

jars around town. It really helps us provide this great family evening!

Bus Routes

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

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

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: Foxmoor Route (two buses)

Old Hunt Road/Plum Tree Road, Old Hunt Road/Lexington Road, Foxmoor Road/Yorkshire Drive, Algonquin Road Fire Station

Route #3: South Route (one bus)

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

- 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 the 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. Contractors are 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.

The President's Letter



Hello Fox River Grove!

Happy summer! The parks are open, the flowers are blooming and the kids will be out of school shortly. The best time to enjoy the Grove. As you will see elsewhere in this letter, the Trustees and the Park Commission have approved substantial improvements in the Picnic Grove Park this summer. I suggest you get out and spend some time in these wonderful spaces.

The Village staff has spent a great deal of time on the issue of providing food store opportunities after the Dominick's store closed last December. We were able to create interest in the location in our town with some operators of fresh food stores.

I am pleased to share with you that the Jewel Companies have been successful in their bid to locate in the vacant Dominick's store. Jewel has been a long time provider in this area, starting in Barrington as the Jewel Tea Stores with small trucks that went door to door. You can still visit the Jewel Park in Barrington which is on the site of the companies beginning.

Our Jewel store will be setup with a new format that provides more fresh items and prepared meals, and yes, there will be a coffee shop inside. The current goal is to open on or before the 4th of July. I can hardly wait! The last that I checked I was told that there are still job openings available.

Have a great Fox River Grove day!

Robert J. Nunamaker
President, Village of Fox River Grove

Special Events Committee

The Village's new Special Events Committee is looking for volunteers to join them in planning, coordinating, executing, and advertising local events.

The Committee meets at 7 p.m. on the second Thursday of each month. If you are interested in joining this new Committee, please email your letter of interest to village@foxrivergrove.org.

Also, please visit and "Like" the Committee's Facebook page at FRG Living for the Weekend.

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

It 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 (Joint Utility Location Information for Excavators) 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 you or your neighbor's lives!

For more information about JULIE call 1-800-892-0123 or visit online at www.illinois1call.com

Boat And Trailer Parking

Boating season has begun. Boats are considered sailboats, motorboats, kayaks, canoes, rowboats or any vessel used or capable of being used as a means of transportation on water, except an inner tube, air mattress or similar device. 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: April 1 – November 30, a minimum of three (3) feet from the sidewalk or ten (10) feet from the street – unless parked in a garage. December 1 – March 31, no parking in the front yard unless within a garage.

Boats must be stored and parked on the private property of the owner of the vehicle (additional requirements may apply). Boats and personal watercraft may be stored on the premises of a marina or commercial establishment, which is engaged in the business of storing boats and personal watercraft.

Remember: there is no motorized boat launching allowed in any of the parks. Enjoy a safe and fun boating season!

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. Always 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, GIS, 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!



Emerald Ash Borer Removal

The Village is working with a tree contractor to have the remaining Emerald Ash Borer trees in the Village rights-of-way removed by the end of this year.

There is a 50/50 Tree Replacement Program that will reimburse 50% of the cost of a single replacement tree, including installation and delivery, but not sales tax. For more information, you can visit the services section of our Village website at www.foxrivergrove.org or contact the Village Hall at 847-639-3170.



ISO Rating

ISO's Public Protection Classification (PPCTM) Service gauges the fire protection capability of the local fire department to respond to structure fires. The Village's ISO Rating recently improved from a 4 to 3 (10 point scale with 1 being the best). The primary reason for the improved rating is manning, response, and auto-aid agreements with neighboring departments. The ISO rating can impact homeowner and property insurance premiums. Congratulations to our FRG Fire Protection District!

Parks Clean Up Day

Thanks to all that participated in the Parks Clean Up on Saturday, April 26th. It was the best Clean Up Day ever.

There were 40+ volunteers from the Recreation Council, Cary Grove Track Team and residents that cut down many buckthorn trees from Picnic Grove Park, and swept up four tons of gravel from the Commuter parking lots and Route 14. It was a great day – thank you to all who participated!!!

Sidewalk Program

The Village was able to complete approximately \$22,000 of concrete sidewalk work throughout various locations in the Village. The Village's main priority is to take care of all high priority sidewalks first. We will concentrate on the next group of sidewalks for next year's program.

This year's 50/50 Sidewalk Program is also completed, but you can sign up for next year. This is a great way to have your sidewalks repaired and add value to your property, as well as our town.

FRG PTO Fundraisers

Fox River Grove Baskin Robbins will be hosting a Fundraiser for our schools on June 17th. They will donate 15% of sales back to the FRG PTO between the hours of 5 p.m. and 8 p.m. Be sure to take the family for ice cream after dinner!

Road Rules

It is illegal to block the driveway at the Fire Station on Algonquin Road. There is a flashing signal stating "Do Not Block Driveway", as well as painted lines across the entrance. So, when you are waiting for the light to change on Algonquin at Northwest Highway, stay clear of the driveway until your light changes. This enables the fire trucks to be able to leave in the case of an emergency.

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.

Let's 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 of 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.

To report possible illegal discharges to the storm drain system, call the Village of Fox River Grove Public Works Department at 847-639-6165 or Police Department non-emergency at 847-639-2411.

Park Improvements

The 2014/2015 Budget includes several improvements in our parks. They are:

- Paving the Picnic Grove Park circle and parking lot
- Fence screening around the Picnic Grove Park port-o-lets and dumpster
- A new shelter will be installed near Picnic Grove Park playground
- Asphalt ADA accessible walking path to Hunters Farm baseball field dugouts
- Replanting 18 right of way trees at Foxmoor Park on Lexington Avenue and Foxmoor Road
- Pouring concrete pads for the Lions Park port-o-lets
- Installing a basketball hoop in Picnic Grove Park

2014 Road Program

This year's Road Program will include the following streets:

- Liberty Street
- Center Street
- Adams Avenue
- Harding Avenue from Birch to North River Road
- Lucille Avenue from Glenice to Route 14
- Ski Hill Road from Norge Parkway to Route 22
- Orchard Street from Skyline to end of road
- Picnic Grove Circle and Parking Lot



Unused And Expired Medicines

The Fox River Grove Police Department is a free drop-off location for medications. They accept pills, salves and liquid medications, with or without labels, for safe disposal. They can not accept vitamins, sharps, needles, IV bags or thermometers.



Vacation House Watch

With summer finally here, many families will be taking a much needed vacation. You may want to call the Police Department (non-emergency number 847-639-2411) to complete a house watch form.

This form serves a duo purpose. As time permits, an officer will check your home to see that it is secure, and secondly, in the event of an emergency at your home, they will have a way to contact someone.



This newsletter is published by the Village of Fox River Grove,
 305 Illinois Street, Fox River Grove, IL 60021
 Phone (847) 639-3170 • Fax (847) 639-9876
www.foxrivergrove.org
village@foxrivergrove.org

Editor - Donna M. Brouder
 Layout - Chris Erbach

Presorted Standard
 U.S. Postage
 PAID
 Permit No. 23
 Fox River Grove
 IL 60021

*****ECRWSS*****
POSTAL PATRON LOCAL
FOX RIVER GROVE, ILLINOIS 60021

President
 Robert J. Nunamaker

Trustees
 Thomas Anderson
 Suzanne Blohm
 Joanna Colletti
 Steve Knar
 Andrew Migdal
 Michael Schiestel



CALENDAR OF EVENTS

- ◆ **Steven Macko Memorial Golf Outing** June 6th Golf Course
 Enjoy the day with your favorite FRG Firefighters and foursomes.
- ◆ **FRG 95TH Anniversary Celebration** June 7th Stone Hill Center
 Lots of activities celebrating Fox River Grove at Stone Hill Center.
- ◆ **Veteran's Picnic** June 25th Lions Park
 Come and thank a Veteran at the annual picnic for the Vets at Lions Park.
- ◆ **Vehicle Sticker Deadline** June 30th FRG
 Last day to purchase and display before the late fee begins.
- ◆ **Fireworks 2014** July 12th Lions Park
 Enjoy the fireworks display and some good old fashioned community fun!
- ◆ **FRG Firefighters Water Fights** July 13th Lions Park
 Cheer on our FRG Firefighters as they challenge other departments in a water battle.
- ◆ **Arts & Crafts Fair** July 20th Lions Park
 Browse and buy the beautiful handiwork of many talented crafters at Lions Park.
- ◆ **Lions Fest** September 6th Lions Park
 Enjoy the end of summer festival at Lions Park hosted by the FRG Lions Club.

95th Anniversary Celebration

Please join us in celebrating Fox River Grove's anniversary at the 95th Anniversary Celebration on Saturday, June 7 from 3:00 p.m. until 8:30 p.m. at Stone Hill Center. Bring your family! Tell your friends!

There will be a car show, live music, FREE pony rides for the kids, food, ice cream, beer, and more! Fun for the entire family! For the most up to date information, please visit the Special Event Committee's Facebook page at FRG Living for the Weekend.

If you would like to volunteer your time at this event with set-up, clean-up, tear-down, etc. please send an email to village@foxrivergrove.org.

Auto Debit For Water & Sewer Bill

Village of Fox River Grove offers auto payment for your water & sewer bills. The auto payment feature allows residents to have the water & sewer bill automatically debited from your checking or savings account.

Check our website www.foxrivergrove.org for the form or pick one up next time you are at the Village Hall.

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 for all the latest information on events, regulations, policies, etc.

Village of Fox River Grove Water Quality Report – 2013

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 2013. 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 \$7.04 plus a base charge of \$57.19 every two months for water and sewer customers as of May 1, 2014.

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 2013.

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 if 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. 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 Village Board meetings held on the 1st and 3rd. Thursday of each month at 6:30 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.

Village of Fox River Grove Water Quality Report – 2013

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 which there is no known or expected 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.

2013 Regulated Contaminants Detected

Lead and Copper - 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. Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.								
	Date Sampled	MCLG	Action Level	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contaminant
Copper	2013	1.3	1.3	0.99	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; corrosion of household plumbing systems

Regulated Contaminants

Disinfectants & Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contaminant
Chlorine	12/31/2013	1.1	0.57- 3.1	MRDLG=4	MRDL=4	ppm	N	Water additive to control microbes.
HaloAcetic Acids (HAA5)*	2013	6	6 - 6	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHm)*	2013	27.7	27.7 - 27.7	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contaminant
Barium	8/14/2012	0.000137	0.0000887 - 0.000137	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; erosion of natural deposits.
Cyanide	8/14/2012	0.00543	0 - 0.00543	200	200	ppb	N	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
Flouride	8/14/2012	0.000975	0.000926 - 0.000975	4	4.0	ppm	N	Erosion from naturally occurring deposits. Water additivewh promotes strong teeth; Discharge from fertilizer and aluminum factories.
Iron	8/14/2012	0.000116	0 - 0.000116		1.0	ppm	N	Erosion from naturally occurring deposits.
Manganese	8/14/2012	0.0481	0.0339 - 0.0481	150	150	ppb	N	Erosion from naturally occurring deposits.
Nitrate (measured as Nitrogen)	2013	0.0000909	0 - 0.0000909	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; erosion of natural deposits
Sodium	8/14/2012	95.7	56 - 95.7			ppm	N	Erosion from naturally occurring deposits; used 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	02/23/2011	0.3	0.3 - 0.3	0	5	pCi/L	N	Erosion of natural deposits