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Public Works

Administrative Office
11004 Carpenter St.
(708) 479-3927

Maintenance Facility
19004 Wolf Rd.
(708) 479-3925

Water/Sewer
Treatment Plant
11400 W. 191st St.
(708) 479-3926

STAFF

| | | |
|---|--|---|
| Louis Tiberi III Public Works Director | Dan Manns Wastewater Treatment Facility Technician | Sherri Goravica Wastewater Plant/Water Oper. |
| Paul Pearson Village Engineer | Dale Butler Wastewater Plant/Water Oper. | Kevin Clay Street Supervisor |
| Dan Peloquin Civil Engineer | Gerald Delaney Wastewater Operator II | Tom Florey Automotive Technician |
| Mark Detloff Street Superintendent | Wes Petrow Wastewater Plant/Water Oper. | Butch Sanders Maintenance Worker II |
| Mary Ann Pickrum Department Secretary | Michael Orr Wastewater Plant/Water Oper. | Roy Wilhelm Maintenance Worker I |
| Judy Kosola Department Secretary | Jeff Cordova Wastewater Plant/Water Oper. | Robert Skolds Maintenance Worker I |
| Craig Heim Utilities Superintendent | Rich Koschetz Wastewater Plant/Water Oper. | Jamie Smith Maintenance Worker I |
| Dan Siwinski Water Operator II | Carol Walenga Meter Reader/Utility Main. Worker | Matt Cullen Maintenance Worker I |
| James Boyne Water Meter Technician | Patricia Murphy Meter Reader/Utility Main. Worker | Mike Dornbos Maintenance Worker I |
| Luisse Renner Wastewater Plant Lab Tech. | Tom VanDyke Meter Reader/Utility Main. Worker | Ryan Petrow Maintenance Worker I |
| | | James Angone Village Landscaper |

Mission Statement

The Public Works Department is comprised of a team of dedicated individuals committed to serving the citizens of Mokena at the most effective level possible. The health, safety, and welfare of each resident is foremost in our minds as we perform our important daily tasks. We understand the enormous responsibility that we have to provide safe drinking water, an efficient wastewater treatment process, and a well maintained roadway system within our community. Public Works Department team members realize that in order to keep up with today's changing environment, we must possess vision and exercise creativity. Other team members within our organization are treated with respect and cooperation as we work together with them as a unified group of individuals committed to improving the quality of life for each resident of our community.

Public Works Department team members strive to inspire public confidence and respect for government and believe that honesty, integrity, loyalty, and courtesy form the basis of our conduct. Our residents are not an interruption of our work, they are the purpose of it.

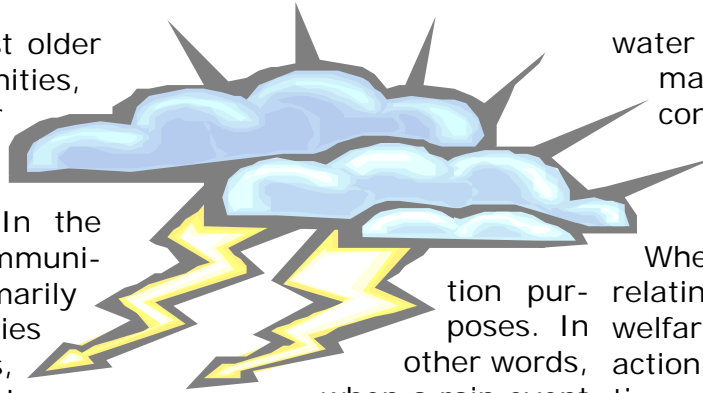
Storm Drainage

As is the case with most older suburban communities, Mokena's storm water system consists of a combination of "old" and "new" systems. In the older sections of the community, storm water is primarily conveyed through a series of open ditches, culverts, field tiles, and natural tributaries or creeks. This type of system is considered "rural" and is the result of incremental single lot development common to construction of homes prior to the 1980's.

The Village of Mokena pursued a number of improvements to storm sewer systems in the older sections of the community. These improvements have updated and increased the overall efficiency of the entire storm water system.

Contrary to the Village's system of open ditches and culverts found in the older sections of town, new subdivisions built since the 1980's have been designed with enclosed storm sewers. These storm sewers are designed to carry a 10% frequency rain event.

Each rain event has 1 chance in 10 of exceeding the capacity of the enclosed storm sewers and requires that excess storm water be conveyed through above ground (overland) flow routes or detained in detention/retention ponds. Overland flow routes include the use of rear and side yard swales of residential lots and public streets for both conveyance and deten-



tion purposes. In other words, when a rain event exceeds the designed capacity of the enclosed storm sewers, the excess storm water should accumulate and flow through rear and side yard swales as well as be detained in the Village's public street system and detention/retention facilities. Depending on the severity of the rain event, the depth of the water in these areas may accumulate up to several feet prior to receding. The storm sewer and drainage swale system in the newer subdivisions are theoretically designed to handle a 1 in 100 rain event. Rains more serious than a 1 in 100 event will exceed the capacity of the sewers and the overland flow routes. Storm sewer systems of this nature are designed to manage these types of rain events while minimizing the chance that severe property damage will occur.

Many residents have questioned why the storm sewers in the newer subdivisions are not designed to carry more storm water.

No storm sewer system could be constructed with a guarantee to manage storm water in all conditions. The duration, frequency and severity of storm

water cannot be controlled by man nor can man design or construct a system that will always suffice during severe weather.

When severe problems occur relating to the public safety and welfare of residents, corrective action by the Village is sometimes necessary. This concept is validated by the Board's efforts to improve the existing conditions of areas defined as having the most serious storm water problems.

To successfully improve the quality of life for all Mokena residents, the Village Board must limit the use of its resources to those issues which are most severe in nature. In the past, the Village has attempted to assume an active role in many types of drainage problems.

Problems ranging from the improvement of major public facilities to "soggy" backyards have been issues the Village has spent considerable time and resources on, and, as a result, the Village Board has become more selective to which problems warrant the use of public resources.

Storm water problems resulting in the risk of significant property damage will receive the highest priorities. In cases where problems are private and less serious in nature, residents will be requested to take a more active role in resolving the problems.

The Village's Public Works Department will continue to be available for consultation regarding drainage concerns. Personnel will respond to drainage concerns and evaluate the severity and nature of the problem. Their findings will determine if Village participation in

any corrective action is justified. If not, recommendations will be provided to the homeowner on how the matter may be corrected without direct Village involvement.

This process will allow residents to seek Village input on drain-

age issues and allow the Public Works staff to determine if the problem warrants Village involvement or is a private matter. This allows the Village to focus on public storm water issues rather than isolated private problems.



10 things You can do to prevent stormwater runoff pollution

- Use fertilizers sparingly and sweep up driveways, sidewalks and roads
- Never dump anything down storm drains
- Vegetate bare spots in your yard
- Compost your yard waste
- Avoid pesticides; learn about Integrate Pest Management
- Direct downspouts away from paved surfaces
- Take your car to the car wash instead of washing it in the driveway
- Check car for leaks and recycle motor oil
- Pick up after your pet
- Have your septic pumped and the system inspected regularly

Get in the Water Zone!

Lawn Sprinkling Regulations

The Village of Mokena continually monitors and assesses its outdoor watering program for lawn sprinkling. The program we have in place is one of the most comprehensive in the South Suburbs, making Mokena a leader in pro-active customer service. This year, we've slightly modified our zone program to allow for more flexibility in the event of unfavorable weather conditions and to more closely conform with our upstream supplier's watering regulations. With your help and cooperation, the program should allow you and your neighbors to water your lawns with moderation throughout the summer. We are confident that this program will continue to succeed and that Mokena residents will recognize the need to work together should we experience a hot, dry summer. The sprinkling program is easy to understand and will continue to utilize a "Zone" format which is further defined below. Questions regarding the zone program may be directed to (708) 479-3926.

THE "GREEN ZONE"

This is the normal Outdoor Watering Regulation that is in place from May 15th to September 15th. Outdoor Lawn Sprinkling will be allowed on an odd/even basis, between the hours of seven o'clock (7:00) A.M. and eleven o'clock (11:00) A.M. and seven o'clock (7:00) P.M. and eleven o'clock (11:00) P.M. Residents with odd numbered addresses may water their lawn on odd numbered days of the month, and residents with even numbered addresses may water their lawn on even numbered days of the Month.

THE "YELLOW ZONE"

Conserve by One-Third

This is the next level Outdoor Watering Regulation. The yellow zone requests cooperation from the entire community to voluntarily reduce outdoor watering by 1/3 until conditions improve. A Yellow Zone will be implemented when:

- **Continual hot, dry weather conditions exist and;**
- **Daily consumption trends move upward reducing necessary water system storage reserves and;**

- **Forecasted weather conditions are likely to continue or worsen.**

If a Yellow Zone is implemented, we all need to **react quickly** by skipping our next regulary scheduled watering time. Conservation is the key!! Residents will be allowed to water during normal times without actual restrictions. However, we are urging Residents to voluntarily **conserve** water during a Yellow Zone.

In order for the Yellow Zone to succeed (and to avoid entering into mandatory restrictions) a 1/3 reduction in outdoor water consumption is needed to allow the water system to recover. Therefore, talk to your friends and neighbors and encourage them to cooperate by reducing their outdoor watering by 1/3 if the Yellow Zone is implemented. When the Yellow Zone is in effect, we all need to work together to quickly reduce outdoor water consumption by 1/3. If we can accomplish this goal, no further restrictions should be required.

YELLOW ZONE - CONSERVE BY 1/3
As easy as . . .

- Skipping next scheduled watering
- Then watering next 2 regularly scheduled days
- And skipping next scheduled watering

Lawn Sprinkling Regulations (continued)

“ORANGE ZONE” - 7 a.m. - 11 a.m. (MORNING ONLY)

This is the new Tier 1 mandatory outdoor watering restriction. Should we experience a hot, dry summer and the Yellow Zone does not reduce outdoor watering by 33% we may be required to implement this restriction if necessary

- The **Orange Zone** will allow outdoor watering in the morning only between the hours of 7a.m. and 11a.m. on an odd / even basis.
- No evening sprinkling will be allowed in this zone.

“RED ZONE” - ONE DAY

The **Red Zone** will consist of Tiers 2 & 3 outdoor watering restrictions. The Red Zone will be put into effect in the event of emergencies which require a major decrease in outdoor water usage. The Red Zone tiers are defined below:

Tier 2

Will allow outdoor watering of lawns one day per week, Monday or Tuesday on odd / even days, based on your address, 7:00 - 11:00 a.m. and 7:00 - 11:00 p.m.

Tier 3

Will be a total ban in case of water system failure, but we hope to never ever get to this type of restriction again.

New Lawn Installation

Are you installing sod or planting seed this summer?

If this project is on your to-do list, contact the Community Development Department for a Sprinkling permit. This no-fee permit will allow you to sprinkle on both odd and even days (7 a.m. - 11 a.m. & 7 p.m. - 11 p.m.) for a period of 28 days. By time the permit expires and you're back to normal watering regulations, your new sod or seed will have had the needed time to germinate and root for a healthy lawn. Should the zone change from Green to Yellow during your 28 day permit, you may continue to sprinkle every day as allowed per the permit until it expires. Keep in mind that permits will not be issued during Yellow or Red Zones so call us at (708) 479-3926 to verify the current sprinkling zone prior to installation of your lawn. Residents replacing/repairing lawns will be asked to provide documentation such as a contract from a landscaper or receipt for seed or sod when applying for a sprinkling permit. Documentation will not be required for owners of new construction.

Going on Vacation?

Should you leave on vacation and set your lawn sprinkling system for the Green Zone, have a neighbor or friend change the setting for you if the zone changes to Yellow or Red. If conditions warrant a Yellow Zone or there is a system mechanical failure and the Red Zone Tier I or Tier II is instituted while you are on vacation, you risk being ticketed for a violation.

| Green Zone | Yellow Zone | Orange Zone | Red Zone |
|-----------------------|--|---|---|
| Normal watering times | Reduce outdoor watering by 1/3 - immediately | Watering allowed on odd/even days 7-11am only | Watering allowed one day per week-based on odd/even |

Zone Notification, May 15 - September 15

For easy zone identification, signs will be posted throughout the Village which will be color coded in **Green, Yellow, Orange** or **Red**. Examples of the signs have been provided below. You can also find the zone currently in effect at the following locations:

- Village's Cable Channel 6
- Village website at www.mokena.org
- Call the Village Hall at (708) 479-3926 or (708) 479-3900 (an automated voice message is available after normal business hours).
- Local news media (subject to their discretion)

You can check out any one of these options at any time to find out which outdoor watering zone is in effect. If you wish to be notified when a zone change occurs, you can register on the home page of the Village website (www.mokena.org) under "Notify Me".

| | | | |
|---|---|---|---|
| WATERING REGULATION IN EFFECT | WATERING RESTRICTIONS IN EFFECT | TIER 1 WATERING RESTRICTIONS IN EFFECT | TIER 2 WATERING RESTRICTIONS IN EFFECT |
| WATER ONLY FROM 7-11 AM 7-11 PM | VOLUNTARY SPRINKLING REDUCTION REQUIRED | WATERING ALLOWED 7-11 am ONLY | WATER MONDAY OR TUESDAY ONLY 7-11am/7-11pm |
| ODD OR EVEN DAYS BASED ON THE LAST DIGIT OF YOUR ADDRESS | PLEASE REDUCE OUTSIDE LAWN SPRINKLING BY 33% TO AVOID INCREASED RESTRICTIONS | ODD OR EVEN DAYS BASED ON THE LAST DIGIT OF YOUR ADDRESS | ODD OR EVEN DAYS BASED ON THE LAST DIGIT OF YOUR ADDRESS |



One thing that can save a considerable amount of money is repairing water leaks within your home no matter

how small they might be. Unseen or unfixed, they can drip hundreds, even thousands, of gallons of water wastefully down the drain. A little detective work several times a year can catch these water thieves in the act and put them out of circulation.

Know where your master water supply valve is in your home. If you have a plumbing leak in the house, you will need to know in a hurry. The most likely location is where the water supply pipe enters your home.

FAUCETS

Most leaks result from worn washers in household faucets and showerheads. These faucets, as well as seldom-used taps in the basement or storage rooms, should be checked periodically. Faucet leaks are usually caused by worn washers or "O" rings (for washerless faucets). Repairing faucet leaks is easy. All you have to do is turn off the water supply line to that faucet, replace the washer and turn on the line again. Any good do-it-yourself book will offer advice on this simple task. If you're not a do-it-yourselfer, have the work done by someone who knows how to do the job.



OUTSIDE TAPS

Check the outside taps for leaking water, particularly during the summer sprinkling season. A hose mistakenly left dripping away in the grass or garden can waste thousands of gallons of water over the course of a summer.

Remember to close outside faucets tightly every time you shut off the water.

TOILETS

The toilet is one of the most common water wasters but its leaks tend to be less noticeable than faucet leaks. To determine if your toilet is leaking, look at the toilet bowl after the tank has stopped filling. If water is still running into the bowl or if water can be heard running, your toilet is leaking.



Most toilet leaks occur at the overflow pipe or at the plunger ball inside the tank. To locate a toilet leak, take the tank lid off and flush. The water level should come up to about a half inch or so below the overflow pipe. Adjust the float level control screw, if necessary, so the valve shuts off the water at that level. If the valve itself is leaking, you may need a plumber to fix it.

Although water may not be seen or heard running, your toilet may have a silent leak. To test for a silent leak, drop a little food coloring into the tank. **DO NOT FLUSH.** Wait for about 10 minutes. If the food coloring appears in the toilet bowl, your toilet has a silent leak. It is probably located in or around the plunger ball or flapper valve

at the bottom of the tank. These leaks are also easy to fix with parts from your hardware or home store.

CHECKING FOR WATER LEAKS

After each thirty day billing period, the water department often receives many inquiries regarding water consumption from water users. Many of these calls are generated by leaking or malfunctioning plumbing. It is the responsibility of each and every water user to make sure they do not have any leaks in their water system.

There is a simple way of checking to make sure there are no leaks in your water system. Our water meters have a clock-like detector on the face of the meter.

To check for leaks make sure no water is being used at the time the test is done. Check the position of the sweep hand on the clock-like detector. Wait a period of time and then recheck the position of the sweep hand. If it has moved, you have a leak somewhere in your system, which should be corrected immediately. Each complete rotation of the sweep hand is equal to ten gallons.

W A T E R C O N S E R V A T I O N

Aerators

An aerator is a simple device that mixes air with water from your faucet. The air cuts the flow so you use less water. It also keeps the water from splashing so much in the sink.

You can buy aerators at most hardware or plumbing supply stores for a few dollars, but first check your faucet to be sure it has a screw thread on either the inside or outside of its mouth. If it doesn't, there's a device called a "universal faucet adapter" that you'll need.

If your faucet already has some sort of attachment on it, unscrew that first. If you need a pair of pliers to loosen it, wrap a couple of layers of masking tape around the faucet and aerator so you don't scratch them.

Depending on whether your tap is threaded for inside or outside appliances, you may have to remove a washer that's included with the new aerator. In other words, if it doesn't screw on with the washer in place, take the washer off.

Showerheads

Water-saving showerheads cut the average flow from about 4.5 gallons per minute to as little as 1.25 gallons per minute. In fact, any showerhead manufactured in the United States is now required by law to release no more than 3.2 gallons per minute.

Water-saving showerheads cost about \$10. In order to install one you'll probably need an 8-inch pipe wrench to unscrew your present showerhead. You should also have some 1/2-inch pipe thread seal tape or pipe thread compound, which is available at most hardware stores.

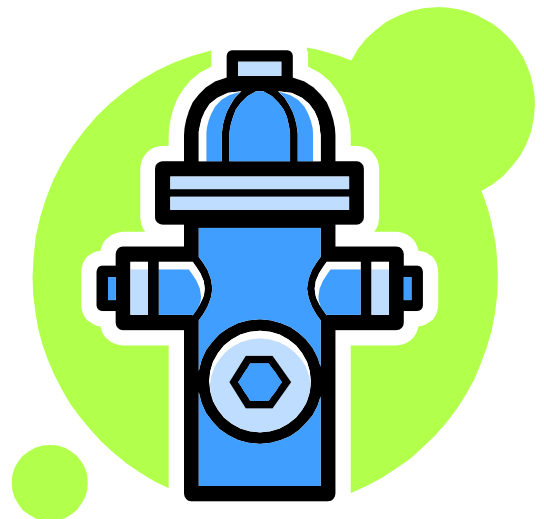
Wrap the connection point of the old showerhead with a couple of layers of masking tape to protect the finish from your wrench's teeth. Unscrew the old showerhead. If the pipe ends in a ball-shaped fitting, you'll have to replace it, too, or buy a ball-fitting adapter from the hardware store. Wrap thread seal tape or spread compound over the pipe threads, screw the new head on (be sure to cover with masking tape also) and tighten it with the wrench.



Hydrant Flushing

The Mokena Water Department flushes water mains in the spring and fall each year. This is done to remove the iron sediment from the bottom of the distribution system. When you see a sign posted in your neighborhood informing you that hydrant flushing will be taking place on the following day, postpone doing laundry until the flushing is complete. This will prevent the possibility of discolored water ruining your clothes.

Hydrant flushing schedules are also published in local newspapers, Mokena Channel 6 Cable message board and the night service phone message. Unfortunately, emergencies do sometimes occur that require immediate attention by Water Department personnel. If this happens, we would not be able to continue flushing hydrants as scheduled. Someone will however, change the date on the neighborhood signs to reflect the correct day for flushing. We apologize for any inconveniences that may occur should an emergency arise during hydrant flushing.



J.U.L.I.E.

What is J.U.L.I.E.?

J.U.L.I.E. is a not-for-profit corporation that provides contractors/excavators, homeowners and others who may be disturbing the earth, with a single toll-free number to call for the locating and marking of underground utilities. J.U.L.I.E. is

not a utility, nor do they own utilities or locate underground utilities. J.U.L.I.E. is a message handling service which receives location requests from persons excavating, and then sends these requests to J.U.L.I.E. members who have utilities in the area of excavation.

When do I call J.U.L.I.E.?

Call 48 hours before you dig (excluding Saturdays, Sundays and Holidays).

The J.U.L.I.E. phone number is...

1-800-892-0123.



When do I use J.U.L.I.E.?

If you are proposing any digging activity - i.e., putting up a fence or clothes line pole, planting a garden or shrubbery, building a storage shed, deck or foundation, etc.

J.U.L.I.E. will notify the owners and/or operators of underground utilities who are J.U.L.I.E. members of the planned digging.

How do I use the J.U.L.I.E. System?

When you call be prepared to give a J.U.L.I.E. operator the following information:

- 1) County and City
- 2) Address and description of the project
- 3) The date and time the work will begin
- 4) Your name, address and phone number

The operator will:

- 1) Repeat the information back to you for verification
- 2) Read you the J.U.L.I.E. dig number which proves you called.

3) Read you a list of J.U.L.I.E. member utility companies who will be sent this information.

4) Tell you that you're responsible to search the area for the utilities of others and notify them on your own.

Sometime before you start to dig, a representative from the appropriate J.U.L.I.E. member company(s) will respond and mark the location(s) of any underground utilities in the area where the digging is to take place. The following colors will be used for marking underground utility locations:

- w **Yellow**-Gas, Oil or Petroleum
- w **Red**-Electric

- w **Orange**-Communication, Telephone, Cable TV
- w **Blue**-Portable Water
- w **Green**-Sewer

Remember for your own protection, as well as the protection of underground utilities, call J.U.L.I.E. at 1-800-892-0123 at least 48 hours before you dig.



Leaf & Branch Pick-up Program

To ease the financial hardship that the adoption of the burning restriction placed on some Village residents, the Mokena Village Board implemented the Leaf/Branch Pick-up Program to augment the existing options in the Village of Mokena.

Village crews pick up leaves, branches, twigs and limbs, free of charge, four times per year.

Two pick-ups are made in the fall during the heavy leaf season; and 2 pick-ups are made during the spring.

Grass clippings will not be picked up as part of this program.

Prior to receiving pick-ups, residents will be asked to place leaves in plastic or paper bags (maximum 55 gallon capacity) at the curb the day prior, to

pick-up. Any brand or type of bag can be used, landscape stickers are not required for pick-up. Limbs, branches, bushes etc. will be picked up from the curb at this time and should be placed in bundles no more than 3 feet in length (when possible).

Although the Open Burning Ordinance provides Village Officials with the ability to take enforcement action against violators (who reside within the corporate limits of the Village) when necessary, the provisions of our Ordinance are unenforceable on those who reside in unincorporated areas, where the burning of such wastes is generally permitted.

Residents who may be affected from smoke emanating from within the corporate limits of the Village, or are unsure of the

source of the problem are asked to call the Mokena Police at (708) 479-3912 for a problem resolution. The landscape waste burning provisions of the Illinois Administrative Code and the Mokena Village Code are enforceable "on-sight" by authorized enforcement personnel, therefore those residents who call to place complaints regarding such burning are not required to leave their names, sign formal complaints, or testify in court.

Questions concerning this information on open burning should be directed to the Mokena Police Department at (708) 479-3912.

Questions concerning the Leaf/Branch Pick-up program should be directed to the Public Works Department at (708) 479-3927.



OPEN BURNING

In July of 1995, the Village Board of Trustees adopted an Ordinance that prohibited any Village resident from open burning any garbage, or yard wastes (leaves, twigs/branches, grass). The Ordinance was adopted in an effort to protect the health and safety of Village residents, as well as those who work or pass

through our community. Many people, are adversely affected by the smoke that is produced from such burning.

In essence, the Ordinance declares that the open burning of garbage, yard waste and recyclable materials is prohibited. The open burning restrictions pertain only to outdoor fires

and do not restrict fires in indoor fireplaces or stoves.

The Ordinance provides for "recreational fires" that are properly supervised, contained and primarily used to cook food. Additionally, "mason's fires" for construction purposes are also allowed by the Ordinance.



MOSQUITO CONTROL

Mokena has budgeted \$15,800 for mosquito management in 2008, and has other contingency money budgeted for extra treatments if the Board considers it necessary. Our current treatment methods include the Larvicide Treatment method on all Village Catch Basins, and all reported stag-

nant water. This is recommended as the most effective treatment method because it stops the mosquito before hatching. The Village also stocks our storm water ponds with small mosquito fish that eat the mosquito larvae. We have also received a Backpack Larviciding treatment in the

Cherry Pond and wetland area, as well as the Forrest preserve area west of Old Castle Woods. Clarke Mosquito Control performs monthly inspections and treatments. For current information on West Nile virus visit the Illinois Department of Public Health at www.idph.state.il.us/public/press06/9.5.06wnv.htm.