

Commonly ask Question and Answers Continued:

Will the softened water effect my low sodium diet?

- It is advised that you talk to your personal physician regarding this. At any time the Village is willing to provide water quality data to your health care provider to make an accurate decision. They can contact the water department at 847-428-4294. There is a helpful Food and Drug Administration publication, "Scouting for Sodium and Other Nutrients Important to Blood Pressure" (FDA 95-2284) This publication gives additional detail of sodium in drinking water.

Will the softened water corrode my copper or lead water lines?

- The water leaving the water facility will be stable and not corrosive. But it is strongly suggested to shut your personal water softener off. After about a month and depending on personal taste, you can place your softener back in service. When placing your softener back in service please contact the water department to find out what the local hardness is. You will need this new hardness level to avoid over softening your water; this may cause internal plumbing damage.

How long will it take to clean the old water out of the system?

- The first week of producing soften water the department will be flushing the entire system. For the next couple months after, the village will be completing spot flushing depending on water quality. The village apologizes for any inconvenience this may cause during this time. There may be some areas that take up to a month to get a consistent soft water reading.

What are the benefits of soft water besides taste?

- One benefit of softened water will be help with cleaning; you use less soap with soft water. Also, your plumbing fixtures including your water heater will last longer with soft water. The staining you may currently see in your clothes, plumbing fixtures, and dishes will greatly decrease. Lastly, Energy cost of heating water will be reduced with soft water.

Any additional questions or concerns please call the Village of East Dundee Public Works at 847-426-2822 or email- Tim Wilson at twilson@eastdundee.net

Village of East Dundee
120 Barrington Ave
East Dundee, IL 60118



Postal Customer
Dundee, IL 60118



Department of Public Works
Providing safe drinking water and high quality of service to our customers since 1902

Special Notice: Changes in Drinking Water Quality Starting July 23, 2012

This report is intended to provide you with important information about changes in your drinking water and the efforts made by the water system to provide safe drinking water.

For more information regarding this report contact: **Tim Wilson** Phone: **847-428-4294** or email- twilson@eastdundee.net

We want our valued customers to be informed about their water quality. If you would like to learn more, please feel welcome to attend any of our regularly scheduled board meetings. The meetings are held at 7:00pm on the first and third Mondays of the month at East Dundee

Este informe contiene información muy importante. Tradúzcalo ó hable con alguien que lo entienda bien. ("This report contains very important information. Translate it, or speak with someone who understands it.")

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Starting the Monday July 23, 2012 the Village of East Dundee will be changing water quality.

The Village board and staff are proud to announce that we will be producing a softened water to our customers.

On Monday July 23, 2012 the Village of East Dundee will start up its new water treatment plant. This facility has been under construction for the last year and a half.

During the first week of operation, from Monday July 23rd to Friday July 27th village staff will be flushing the entire water system. This will help flush out the old water quality and bring the new to your faucet. Most of this work will be performed at night to minimize the interruptions to your service.

Dependent on your location within the distribution system it may take some time for you to notice significant changes. Most of the distribution system is from 50 to 110 years of age. It will take some time to get the water to become uniform throughout.

After the first week of operation if you have noticed any changes in your drinking water that you may have a question about please contact the Village Hall at 847-426-2822. Staff there will take your info down and concerns and forward it to the department. Please give as much detail as possible, this will help the department to trouble shoot the concern.

During the first month of operation the Water Department will be aggressively flushing dead ends and areas of low water usage. This will help with overall water quality.

It is suggested that you should by-pass your home softener for the first month. This will give the water in your area time to stabilize. After this time it is up to your personal preferences if you restart your home treatment. If you decide to restart your home treatment units please contact the water department to obtain the new quality levels. You will need to adjust your home units to the new treatment levels. If you run the unit at old settings you may over soften your water and this could cause long term plumbing problems.

We apologize for any inconveniences that the work on the water system may bring during the next month. The Public Works department will continue to work to make the Village of East Dundee a great place to live and work.

General Water Quality

	Range of Levels Detected in Raw water	New Treatment Plant finished water goals	MCL	Units	Likely Source
Chlorine	0.0	0.5-1.5	4	ppm	Water additive used to control microbiologists. This level will vary dependent on your distance away from treatment facility.
PH	6 - 7	7 - 8	None	None	A measurement of water's acidity or alkalinity. A scale of 0 to 14 is used, with 0 being extremely acidic , 7 being neutral and 14 being extremely alkaline.
Barium	11	<1	2	ppm	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	0.2	0.9 -1.2	4	ppm	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Iron	1.04 - 8.1	< 0.5	1	ppm	This contaminant is not currently regulated by the USEPA. However, the state regulates. Erosion from naturally occurring deposits
Hardness as (CaCo3)	444	125	None	ppm	This contaminant is not currently regulated by the USEPA. Erosion from naturally occurring deposits.
Sodium	12 - 22	100-200	None	ppm	Erosion from naturally occurring deposits: Used in water softener regeneration.
Combined Radium 226/228	15 - 21	< 4	5	pCi/L	Erosion of natural deposits.
Gross Alph excluding radon & uranium	17 - 29	< 12	15	pCi/L	Erosion of natural deposits
Uranium	0.04	0	30	ppb	Erosion of natural deposits.

Water Quality Test Results Definitions:

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

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

ppm - mg/l: milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.

ppb - ug/l: micrograms per liter or part per billion - or one ounce in 7,350,000 gallons of water.

pCi/L : Picrocuries per liter - A measurement of radioactivity

Commonly ask Question and Answers:

How will the village produce and soften the water?

– As part of the overall plan for a long term water source, the village drilled two new wells. One in a shallow and the other is a deep aquifer. The shallow well has high hardness and iron levels. The deep well has elements of barium and radium within its water. To treat the water to safe standards the village built a multi-step process. The iron, barium and radium in the wells will first be treated by filtration. After filtration the village will continue to treat the radium and hardness levels by softening the water. The final quality will be acceptable of EPA drinking water standards.