Know the Facts!

Chloramines Conversion Specialized Industries

Preparing for Chloramines

In early spring 2011, the following water utilities: Archdale, Burlington, Greensboro, High Point, Jamestown, Randleman, Reidsville, and the Piedmont Triad Regional Water Authority will embark on a modification of their current water treatment process. The new process will involve switching the disinfectant from free chlorine to chloramines to comply with new federal regulatory standards. Chloraminated water is safe for drinking, bathing, cooking, and all other uses we have for water every day. However, there are three groups that need to take special precautions when using chloraminated water: kidney dialysis patients, specialized businesses, and fish pond and aquarium owners, using highly treated water.

What are chloramines?

Chloramines are a disinfectant used to treat drinking water. They are formed by mixing chlorine with ammonia at carefully controlled levels. Similar to chlorine, chloramines are effective at killing harmful bacteria and other germs.

Are chloramines safe?

Chloramines have been used safely in the United States for many years. The addition of chloramine to the disinfection process will decrease the amount of disinfectant byproduct levels produced while improving water quality.

How do I prepare for chloramines?

The participating water providers recommend reviewing your current chlorine removal approach to assess any needed changes to remove chloramines before the conversion in early spring of 2011.

Will chloramines affect routine business or industry water use?

Businesses and industries that use water in any manufacturing process for food or beverage preparation, commercial laundering operations, laboratory procedures, seafood handling or any other processes in which water characteristics must be carefully controlled need to be aware of the change in water disinfection. The conversion to chloramines may require companies to adjust or upgrade their current filtration and treatment system. Businesses should contact their equipment supplier, equipment manufacturers, or other suppliers to determine needs.

How can chloramines be removed?

Chloramines can be removed by one of two methods; a carbon filter that contains a high quality granular activated carbon, or water treatment products that neutralize chloramines.

Will reverse osmosis remove chloramines?

No. Only salts are caught by the permeable membranes, allowing chloramines to easily pass through.

Will boiling remove chloramines?

No, chloramine cannot be removed by boiling water, adding salt, or letting water stand in an open container to dissipate.

Will chloramines harm plants?

Chloramines are safe to use on plants of any type, including ornamental, vegetables, fruit and nut trees.

Resources

Environmental Protection Agency (EPA)

Safe Drinking Water Hotline:1-800-426-4791
www.epa.gov/safewater/disinfection/chloramine/pdfs/chloramine2.pdf
www.epa.gov/ogwdw000/disinfection/chloramine/index.html
www.epa.gov/safewater/mdbp/pdf/alter/chapt_2.pdf
Water Resource Center: www.epa.gov/safewater/resource phone number:1-800-832-7828

Centers for Disease Control and Prevention

www.cdc.gov
phone number:1-800-232-4636

The National Sanitation Foundation

www.nsf.org
phone number: 1-877-867-3435

Questions?
Contact Your Local Water Provider

City of Archdale
(336) 434-7364

City of Burlington
(336) 222-5133

City of Greensboro
(336) 373-2489

City of High Point
(336) 883-3415

Town of Jamestown
(336) 454-1138

Piedmont Regional Water Authority
(336) 498-5510

Town of Randleman
(336) 495-7500

City of Reidsville
(336) 349-1070

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Business Resources

Chemical Suppliers, Formulators, and Sythesizers

American Chemical Society
help@acs.org
www.acs.org
800-227-5558

The International Council of Chemical Associations
rba@cefic.be
www.icca-chem.org
322- 676-7415

National Association of Chemical Distributors
nacdpublicaffairs@nacd.com
www.nacd.com
703- 527-NACD

American Chemistry Council
lora_magruder@americanchemistry.com
703-741-5583
www.americanchemistry.com

Society of Chemical Industry
secretariat@soci.org
www.soci.org
207-598-1500

Coffee and Tea Brewing

National Coffee Association
info@ncausa.org
www.ncausa.org
212-766-4007

Specialty Coffee Association of America
www.scaa.org
562-624-4100

Florist

www.mygarden.net.au/

www.intheloop.groworganic.com
PO Box 2209, 125 Clydesdale Ct.
Grass Valley, CA 95945 888-784-1722

Greenhouses and Plant Suppliers

The National Greenhouse Manufacturers Association (NGMA)
info@ngma.com
www.ngma.com
800-792-NGMA

NC Commercial Flower Growers Association
bonnie.holloman@yahoo.com
919-877-9392
www.nccfga.org

Hardwood, Plywood and Veneer

Hardwood, Plywood and Veneer Association
www.hpva.org
1-703-435-2900

Health Food Stores

Organic Consumers Association
www.organicconsumers.org
218-226-4164

NC Division of Public Health
www.ncpublichealth.com
919-707-5000

Natural Products Association
natural@NPAinfo.org
www.NPAinfo.org
800-966-6632

School Nutrition Association
servicecenter@schoolnutrition.org
301-686-3100
www.schoolnutrition.org

Welcome to the Alliance for Natural Health - USA
office@anh-usa.org
www.anh-usa.org
1-800-230-2762

Paints, Formulators and Suppliers

Paint & Decorating Retailers Association
www.pdra.org/
1-636-326-2636

Business Resources

Seafood Suppliers

NC State University Seafood Laboratory
www.ncsu.edu/foodscience/seafoodlab/index.htm

North Carolina Specialty Foods Association
www.ncagr.gov/markets/seafood/index.htm
1-919-644-2573

Water Purification and Filtration

National Water Service, Inc.
800-232-3506
Email: info@nationalwaterservice.com
www.nationalwaterservice.com

Ultra Pure BEV Drinking Water
Filter System (Pure Water Systems, Inc.)
www.purewatersystems.com
866-444-9926

Pure Water Solutions
Regional Manager: Hershel Meadows
Email: hershelm@purewatersolutions.com
Cell: 919-699-0000