## Reasoning

The Water Quality Chart Definitions section explains the terms used in the Water Quality Report. The definitions include:

- **ND**: Not Detected
- **MRDLG**: Maximum Residual Disinfectant Level Goal
- **MRDL**: Maximum Residual Disinfectant Level
- **MPN**: Most Probable Number
- **MCL**: Maximum Contaminant Level
- **CDC**: Centers for Disease Control and Prevention
- **Inorganics**: Chemicals that are not organic in nature and may come from natural sources or human activities.
- **Haloacetic Acids (sum of five compounds)**: Chemicals formed by the interaction of natural substances in water with disinfectants such as chlorine.
- **Selenium**: A trace mineral that is essential for human health.
- **Chromium (total)**: A heavy metal that can be present in varying forms.
- **Chromium-6**: A toxic form of chromium.
- **Sulfates**: A group of compounds that contribute to the hardness of water.
- **Radioactive Contaminants/Radionuclides**: Natural or man-made radioactive substances.
- **Disinfection Byproduct Precursors**: Chemicals that can react with disinfectants to form disinfection byproducts.
- **Precursors**: Chemicals that can react with disinfectants to form disinfection byproducts.
- **Total Trihalomethanes (sum of four compounds)**: Chemicals formed by the interaction of natural substances in water with disinfectants such as chlorine.
- **Chloride**: A chemical found in water that affects its taste and can be a source of health concerns.
- **Runoff from glass and electronic production wastes**: A source of pollutants that can enter water systems.
- **Coliform Positive**: Samples that tested positive for the presence of coliform bacteria, which can indicate the presence of fecal matter.

### Water Quality Data Table - 2015

The table provides a summary of water quality data for Nutley Water Department in 2015. It includes columns for Contaminant, MCL, MCLG, Highest Result and Range of Results, Typical Source, Comments, and Y/N for RUL Achieved. The table also includes specific data on contaminants such as lead, copper, coliform, and other substances.

### Lead and Copper

- **Lead (ppm)**: The maximum level of lead allowed in drinking water is 15 parts per billion (ppb).
- **Copper (ppm)**: The maximum level of copper allowed in drinking water is 1.3 ppm.
- **Fluoride (ppm)**: Nutley Water Department does not add fluoride to drinking water.

### Fluoride

- **Typical Source**: Nutley Water Department tests for fluoride in drinking water.
- **Comments**: Fluoride is added to drinking water in some areas to help prevent tooth decay.

### Additional Fluoride Treatment Plant Monitoring Results

- **Compliance**: Nutley Water Department complies with the standards set by the USEPA and NJDEP for fluoride.

### Important Information About Your Drinking Water

- **Availability of Monitoring Data for Unregulated Contaminants (UCM3)**: Nutley Water Department monitors for unregulated contaminants such as lead and copper regularly.
- **Use of Fluoridated Water**: Nutley Water Department monitors for fluoride in drinking water.

### Disinfection Byproduct Monitoring Results

- **Chlorine (ppm)**: The level of chlorine added to drinking water is 4 ppm.

- **Bromochloromethane (ppm)**: The level of bromochloromethane is below the threshold for health effects.

### Molybdenum Monitoring Data

- **Molybdenum (ppm)**: The level of molybdenum in drinking water is below the threshold for health effects.

### Chromium Monitoring Data

- **Chromium (ppb)**: The level of chromium in drinking water is below the threshold for health effects.

### Selenium Monitoring Data

- **Selenium (ppb)**: The level of selenium in drinking water is below the threshold for health effects.

### Mercury Monitoring Data

- **Mercury (ppm)**: The level of mercury in drinking water is below the threshold for health effects.

### Perchlorate Monitoring Data

- **Perchlorate (ppb)**: The level of perchlorate in drinking water is below the threshold for health effects.

### Total Coliforms

- **Total Coliforms (100 CFU/mL)**: Nutley Water Department tests for the presence of total coliform bacteria in drinking water.

### TOTAL MADE WITH TOXIC MEDIA SUBSTANCE IN WATER

- **Avocados**: Nutley Water Department does not use avocados in its water treatment process.

### USEPA Pesticide Sampling

- **USEPA Pesticide Sampling**: Nutley Water Department tests for the presence of pesticides in drinking water.

### Additional Monitoring Data

- **Turbidity**: Nutley Water Department tests for turbidity in drinking water.

### Conclusion

Nutley Water Department monitors for a wide range of contaminants in drinking water to ensure the safety and health of its customers. The department complies with the standards set by the USEPA and NJDEP and provides ongoing training to its staff to ensure up-to-date knowledge. The department also encourages community involvement in monitoring drinking water quality and provides regular updates on its water quality initiatives.
The Nutley Water Department is a division within the Department of Public Works and is responsible for providing high quality drinking water to the residents of Nutley, New Jersey. Water from the following systems is conveyed into all homes or businesses connected to the system:

- Passaic Valley Water Commission (PVWC)
- North Jersey District Water Supply Commission's Wanaque Reservoir treatment plant
- NJDEP Water Supply website: www.nj.gov/dep/watersupply
- Nutley Water Department website: www.nutleynj.org

The Nutley Water Department is a division within the Department of Public Works, the offices of the Department of Public Works at (973) 284-4959 or log on to the Nutley Water Department website www.nutleynj.org.

Monitoring and Testing of Drinking Water

The Nutley Water Department routinely monitors for contaminants in your drinking water according to federal and state laws. This report covers the period from January 1, 2015 to December 31, 2015. As water travels over land or through underground aquifers, it comes in contact with contaminants such as insects, rodent and organic chemical, nitrate, and nitrite. All drinking water, whether sourced from a tap or bottled water, poses a certain level of risk. This is why the presence of contaminants does not necessarily pose a health risk.

If you have any questions about this report or concerning the Nutley Water Department, please kindly contact Mr. Dominic Ferry, Licensed Water and Sewer Operator at (973) 284-4984 or dferry@nutleynj.org.

Public Report

This report contains important information about your drinking water. If you do not understand it, please have someone translate it for you.

We are pleased to report that our drinking water is safe and meets all federal and state requirements. The Township of Nutley is committed to providing our customers and the community with high quality drinking water through prompt service, courteous and helpful communication, and excellence in the distribution of our most valuable resource... water.

Water Conservation Tips from Mayor Scarpelli:

- Take shorter showers: a 5-minute shower uses 6 to 8 gallons of water compared to up to 50 gallons for a bath.
- Save water while brushing your teeth, washing dishes and shaving and save up to 900 gallons a month.
- Use a dish-washing machine. These are inexpensive, easy to install, and can save you up to 750 gallons a month.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.
- Adjust sprinklers so only your lawn is watered. Apply water as far as the soil can absorb it and reduce the water use by 30% to 50% a day.

Additional Information for Local Users:

- If you have any questions or concerns about your drinking water, please call the Office of the Director of Public Works at (973) 267-4959.


More water conservation tips are also available on the American Water Works Association (AWWA) website: www.awwa.org.

Water Conservation Ordinance:

- Reduce water use by only watering plants in the morning between the hours of 6:00 a.m. and 10:00 a.m.
- Set sprinkler systems to run over 2-day cycles.
- No more than one water system allowed to operate at a time.
- Fix leaks in toilets and faucets. Faucet washers are inexpensive and can be replaced in 5 minutes.
- Install low-flow showerheads. These are inexpensive, easy to install, and can save you up to 750 gallons a month.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.
- Adjust sprinklers so only your lawn is watered. Apply water as far as the soil can absorb it and reduce the water use by 30% to 50% a day.

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 146,000 gallons per person per year? Let’s think about this more closely. There are low-cost and no-cost ways to save water.

Small changes can make a big difference — try one today and soon it will become second nature.

Township of Nutley Water Department

MAY 2015

Nutley Water Department

Director of Public Works

I am pleased to report that our drinking water is safe and meets all federal and state requirements. The Township of Nutley is committed to providing our customers and the community with high quality drinking water through prompt service, courteous and helpful communication, and excellence in the distribution of our most valuable resource... water.

This is the 17th annual report on the quality of water delivered by the Township of Nutley. It meets the Federal Safe Drinking Water Act (SDWA) requirements for “Consumer Confidence Reports” and contains information on the source of our water, its constituents, and the health risks associated with any contaminants.

The purpose of this report is to provide our customers with information on the sources of their drinking water, how this water gets to each customer, potential substances that may be found in drinking water, some related health information, and a listing of the substances present in our water and how low their levels compare to the laws and drinking water regulations. Our customers will find this information useful.

I am pleased to report that our drinking water is safe and meets all federal and state requirements. The Township of Nutley is committed to providing our customers and the community with high quality drinking water through prompt service, courteous and helpful communication, and excellence in the distribution of our most valuable resource... water.