

Treatment Plant Upgrades

FREQUENTLY ASKED QUESTIONS



Q1. WHAT TREATMENT PLANT UPGRADES ARE PLANNED?

A1. Middlesex Water Company is currently investing \$70 million on various upgrades at the Company's existing water treatment plant. These upgrades include constructing a new ozone treatment plant facility and upgrading its emergency electric generation back up system to help ensure continued service in the event of power loss.

Q2. WHAT ARE THE BENEFITS ASSOCIATED WITH THIS EFFORT?

A2. The construction of the new Ozone Treatment facility will help ensure compliance with increasingly stringent drinking water quality regulations and to mitigate the occurrence of disinfection by-products which can form in parts of the distribution system when chlorine is used. Ozone disinfects pathogenic organisms found in water more effectively than chlorine and is currently the most widely used water disinfection method used in the world. In addition to inactivating pathogens in raw water, it also helps to improve taste, odor and is more effective in addressing new chemicals of emerging concern, like pharma.

MWC is also augmenting the emergency power generation at the facility to ensure that it can maintain operations under a variety of natural weather hazards while providing a safer environment for its employees. MWC is being proactive in addressing current and anticipated regulations by improving the quality of drinking water delivered to its customers.

Q3. HOW LONG IS THE PROJECT EXPECTED TO TAKE?

A3. It is anticipated that the ozone treatment plant will be completed in mid-2021.

Q4. HOW IS OZONE WATER TREATMENT BETTER?

A4. Ozone water treatment, which is formed by using oxygen and electricity, adds no chemicals to the water as it degrades back to oxygen very quickly. In addition to more effective water treatment, the ozone plant will reduce the use of chemicals currently being used to address taste and odor and disinfection by-products.

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