

# Questions Answered During Your Plant Walk-through

## 1A. ALGAE AND BACTERIA

**Do you have algae build-up problems in your reservoir or throughout your plant?**

Innova offers the most successful treatment to eradicate bacteria and algae on the market—you will see the difference overnight. Our custom-blended chemicals are registered by the U.S. EPA as an algicide/bactericide and are certified to NSF Standard 60 as an additive to drinking water.

## 1B. MUSSELS

**Have you seen zebra or quagga mussels in your water?**

Innova's custom-blended chemistry kills zebra and quagga mussels, yet it remains safe for drinking water, humans, animals, and fish—quickly eliminating this costly threat to your plant.

## 10. SOILIDS

**Are your solids dry enough?**  
Innova can significantly reduce sludge and the remaining sludge contains much less water. Many water treatment plants achieve only 12 to 13 percent solids in the water-laden sludge they haul away. By applying Innova's specialty polymers, you can increase that rate to 16 to 18 percent, which results in hauling much less water.

## 9. BACKWASH

**Do you have algae growing in your backwash basin?**

Innova has NSF certified algicide that will prevent the algae from taking over the backwash basin. This allows the treatment of the backwash water to be more easily treated when it goes back to the head of the plant.

## 7. DISINFECTION

**Are you meeting or exceeding Disinfection By-Products (DBPs) stage 2 requirements?**

Naturally occurring carbon compounds are not hazardous by themselves, but combined with a disinfectant they produce by-products that can pose serious health concerns, including cancer. Innova offers water treatment solutions that greatly reduce the use of chlorine-related disinfectants, lowering the total organic carbons (TOC) and thus resulting in significant reductions in TTHM and HAA5 levels.

## 2. HEADWORKS

**How is your Total Organic Carbon (TOC) removal?**

Innova's unique chemistry and consultative experts remove harmful organic carbons before they pass through your headworks. Getting your chemistry and dosages fine-tuned will result in an impressive savings for your treatment plant.

## 3. RAPID MIX

**Do you have to turn down the rapid mix due to coagulant or polymer shearing?**

We'll review mixing energy and verify proper chemical usage, dosage, and application points.

## 4. FLOC BASIN

**Is your floc forming soon enough? Does it stay together as opposed to floating?**

Innova verifies proper coagulants and flocculants chemistry and checks for proper dosages. Innova can show you 5th, 6th and even 7th generation flocculants.

## 5. FILTRATION

**How often do you backwash? Are your backwashes based on time or breakthrough?**

Innova can clean the water, greatly reducing filter clogs, backwashes, and sludge.

**Does your filter media still look new even under a microscope?**

Innova uses verifiable methods to extend the maximum compactly and functionality of your filtration system thus reducing your need to continually replace your filter media.

## 6. SCALING

**Is your filtration as effective as it could be?**

Because of scaling, many filtration systems appear to function at their maximum capacity but are far under their optimal performance. Innova's simple beaker test shows why many plant managers have to continually replace their filter media to achieve optimal performance. Let us show you how to increase filter life and improve filter efficacy.

## 8. TASTE & ODOR

**How many taste and odor calls do you get per year? Which months do you get the most complaints?**

T&O issues are some of the first indications that something is wrong. Innova can quickly and economically remove the elements that are causing these problems and give communities and your customers better tasting, clean drinking water, on a consistent and sustainable basis.

We start by asking the right questions, touring your site and surveying your facility. We then review your specific equipment and processes, and, most important of all, we take the time to listen. Finding smart-water solutions is much more than selling bulk chemicals or purchasing equipment. Innova considers every aspect of your environment to provide full water treatment plant lifecycle management processes.