

- 1. In August 2014, more than 400,000 residents in Toledo, OH lost access to drinking water when the Toledo Drinking Water Treatment System shut down because of algal blooms on Lake Erie.
- 2. Harmful algal blooms can cause a variety of problems to the environment, as well as posing a threat to human health.
- **3.** There are over 3,000 known species of cyanobacteria and they can tolerate a wide range of environmental conditions.
- **4.** The three most widely recognized cyanobacteria as being linked to human health issues are:
- Microcystin-LR (hepatotoxin)
- Cylindrospermopsin (hepatotoxin)
- Anatoxin-A (neurotoxin)
- 5. The U.S. House of Representatives voted on February 24, 2015 to approve HR 212 which directs the U.S. Environmental Protection Agency (EPA) to develop a plan to assess and manage the risks associated with algal toxins in drinking water. The U.S. Senate has taken up a similar bill (S 460).
- 6. Many water treatment processes can help protect against the intrusion of algal toxins into drinking water systems. One of the most effective and affordable treatment options is granular activated carbon (GAC) which is already in use for such purposes in many locations across the United States.
- 7. Since the 1960s, GAC has been used to remove dissolved organic compounds from water, including those emanating from algal blooms, chemical spills, and oil spills.

Pure Water. Clean Air. Better World. Calgo



