Arkema’s Memphis, Tenn. plant produces hydrogen peroxide. While this is a seemingly simple commodity, numerous grades of hydrogen peroxide are required to serve the special needs of different markets. Hydrogen peroxide is most commonly found in home medicine cabinets, where it is kept as an antiseptic solution, also used in toothpaste to help whiten teeth. In the pulp and paper industry, it is used as an effective bleaching agent, providing an alternative to traditional methods that use elemental chlorine and is also an outstanding bleaching agent for synthetic and natural fibers. In the chemical industry, hydrogen peroxide is a reagent in synthesizing various compounds. Hydrogen peroxide is often used in place of chlorine for the decontamination of industrial effluent, soil and water. It is also used in the desulfurization and deodorization of municipal wastewater, in the etching and drawing of silicon wafers and in household cleaning products. It is even used in the food industry to help inhibit the growth of mold in cheese.

Community involvement

→ Woodstock Community “People of Woodstock” – We are a member of this organization, which provides a means of open communication between residents and industrial neighbors. A site representative provides an update at each meeting that often includes safety and environment-related information.

→ Memphis-Shelby County Local Emergency Planning Committee (LEPC) – We are a participating member of the LEPC and participate in annual LEPC community drills to help ensure local emergency preparedness.

→ Member of the local chapter of the Air and Waste Management Administration (A&WMA)

→ Science Teacher Program – We host four teachers each summer, grades 3-6, providing tools and training in new ways to engage students in lessons on science.

→ St. Jude Research Hospital – Our plant and several employees donate and participate in the St. Jude Marathon, one of the foundation’s biggest fund raising events.

→ Engineering Internship Program with Christian Brothers University and the University of North Carolina.

Investment in health, environment and safety

→ Roaster bag house upgrade

→ 502 warehouse dock safety improvement

→ Building door replacement

→ Hydrogen cooling tower replacement

→ 2-way radio upgrades

→ Environmental concrete improvements

→ Tank farm paving improvements

→ Hydrogen plant fire detection

→ Emergency fire extinguisher units – improvement

→ VOC Analyzer Upgrade

→ Control Room building roof replacement

→ Series RO for SuperPure Water upgrades

→ CO2 Flowmeters

About Arkema

Building on its unique set of expertise in materials science, Arkema offers a portfolio of first-class technologies to address ever-growing demand for new and sustainable materials. With the ambition to become in 2024 a pure player in Specialty Materials, the Group is structured into three complementary, resilient and highly innovative segments dedicated to Specialty Materials - Adhesive Solutions, Advanced Materials, and Coating Solutions - accounting for some 80% of Group sales, and a well-positioned and competitive Intermediates segment. Arkema offers cutting-edge technological solutions to meet the challenges of, among other things, new energies, access to water, recycling, urbanization and mobility, and fosters a permanent dialogue with all its stakeholders. The Group reported sales of €8.7 billion ($9.7 billion) in 2019, and operates in some 55 countries with 20,500 employees worldwide. www.arkema.com

2019 KEY FIGURES

→ 75 employees

→ $25.5 million in local impact (includes payroll/utility/property taxes)

→ $3.8 million in approved capital investments for health, safety and environmental projects

→ 6.5 years without a lost time injury

Certifications

ISO 9001, OHSAS 18001, ISO 45001, RCMS certification