

OCEAN CITY WWTP ODOR STUDY OCEAN CITY, MD

FINAL PROJECT SCORECARD

- Odor sources identified and prioritized**
- Off-site odor impacts evaluated with odor modeling**
- Provided cost effective recommendations for odor control**

WEA performed a comprehensive odor study at the 14 MGD Ocean City Wastewater Treatment Plant in 2003 for WR&A. The study included odor and H₂S sampling and testing, wastewater testing, and odor dispersion modeling. The study identified and prioritized the primary odor sources at the plant, determined the odor impact in the surrounding community, and provided odor control recommendations to be incorporated with other planned plant improvements. Odor contours were also developed to simulate the expected improvement in off-site odors after implementation of recommended odor control. A presentation was made to City Council for the proposed \$2.6 million project and it was approved for design.

The phase I plan included covering equalization basins and treating the air in a modular biofilter. In addition a carbon adsorber was recommended for the influent pump station wet well and splitter tank.

