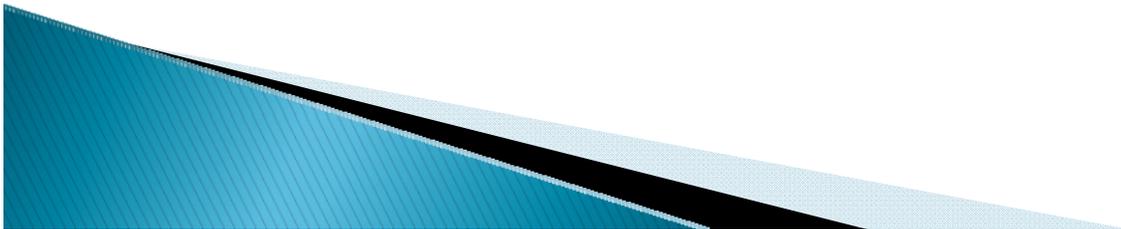


ORSANCO



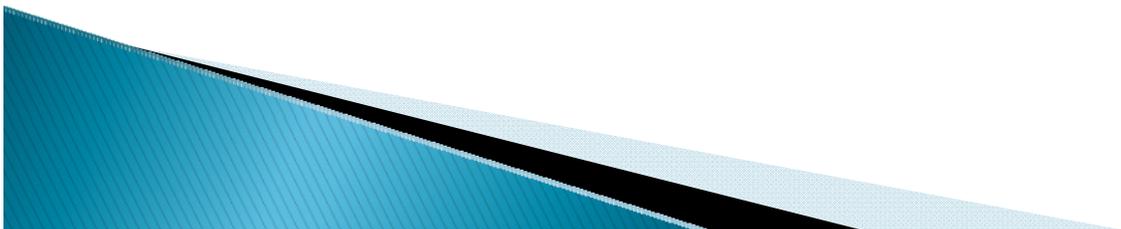
Ohio River Basin

■ Locks & Dams



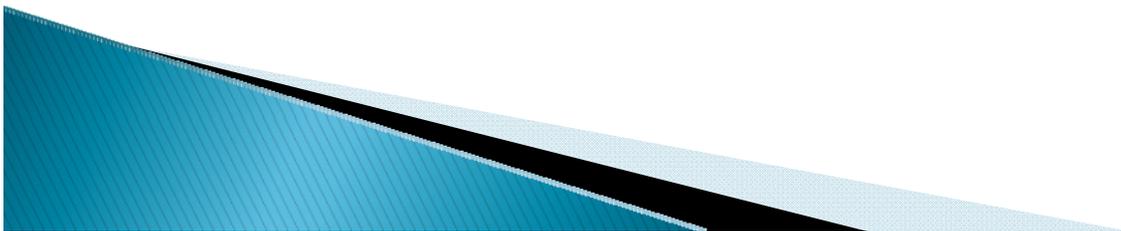
Ohio River Facts

- ▶ 981 miles long
- ▶ Formed in Pittsburgh, PA at the confluence of the Allegheny & Monongahela rivers
- ▶ Meets the Mississippi River at Cairo, IL
- ▶ Drainage basin covers 204,000 square miles



Ohio River Facts

- ▶ More than 25 million people live in the Ohio River Basin...almost 10 percent of the U.S. population
- ▶ Approximately 5 million Ohio River Basin residents get their drinking water from the Ohio.
- ▶ Over 150 species of fish live in the Ohio River and lower reaches of its tributaries.
- ▶ Over 1,550,000 square miles within the Ohio River watershed.



Ohio River Facts

- ▶ 20 dams on the Ohio River maintain a nine-foot minimum depth for navigation.
- ▶ 49 power generating facilities are located on the Ohio River producing more than six percent of the total U.S. generating capacity.
- ▶ More than 230 million tons of cargo are transported on the Ohio.
- ▶ Coal and other energy products make up approximately 70 percent of the commerce traveling by barge.



THIS COMPACT, Made and entered into by and between the States of Indiana, West Virginia, Ohio, New York, Illinois, Kentucky, Pennsylvania, Virginia and such additional States as may join in its execution,

APPENDIX

Approval by the Congress of the United States of America

Authority to enter into the foregoing Compact was initially granted by act of the 74th Congress of the United States by Public Resolution No. 104, approved June 8, 1936, and subsequent consent to and approval thereof was expressly granted by the Congress of the United States by the following legislation:

Public—No. 739—76th Congress

Chapter 581—3rd Session

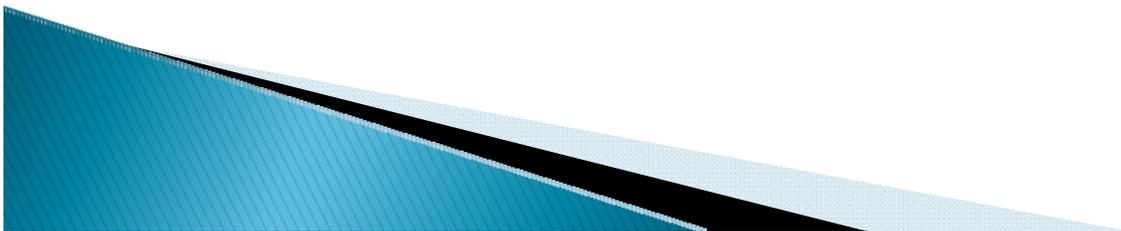
S. 3617, approved July 11, 1940

Ohio River Valley Water Sanitation Compact, Appendix I

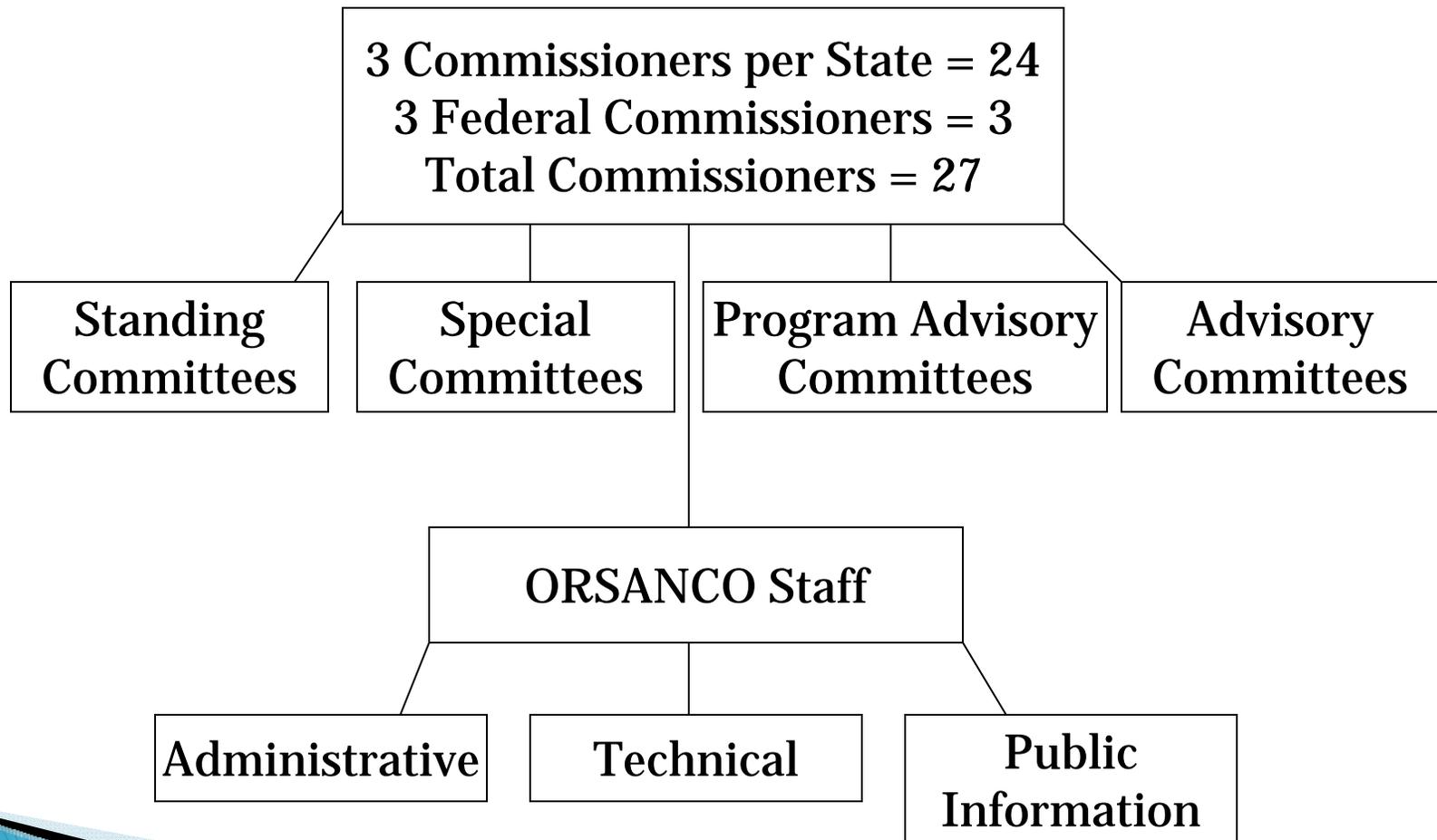


Mission of ORSANCO

- ▶ Direct action and coordination of state activities to improve water quality in the Ohio River Basin.
- ▶ Wastes discharged in one state shall not “injuriously affect” the waters of another state.
- ▶ Compact authorizes Commission to adopt rules, regulations and standards for interstate streams.

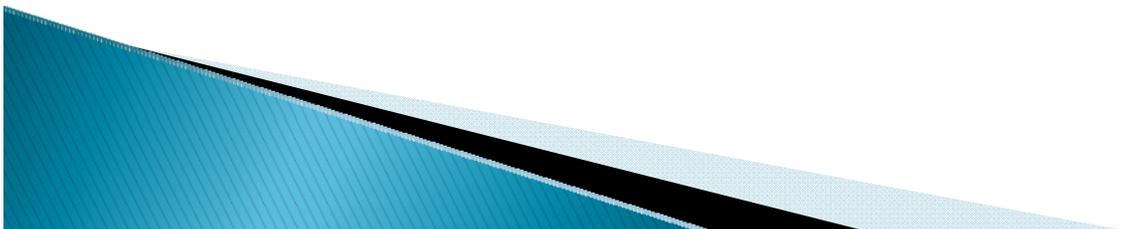


Commission Structure



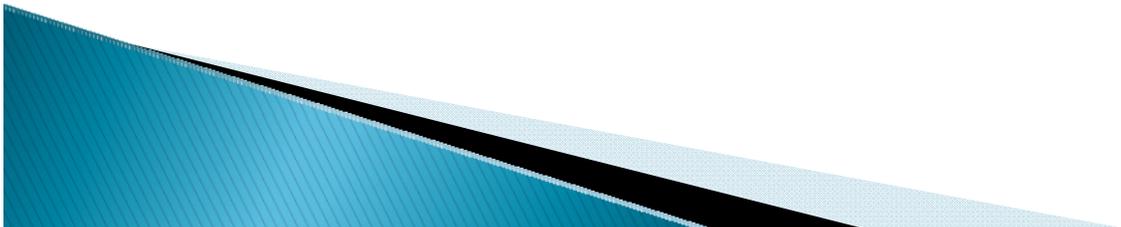
ORSANCO

- ▶ 27 Commissioners (3 from each state and 3 from federal government)
 - Each State's EPA Director is a Commissioner.
 - The other two state commissioners are appointed by the Governor.
 - Federal Commissioners are appointed by the President. Traditionally, one of the three is an EPA Regional Administrator from Region 3,4 or 5.
- ▶ Full time staff of 27

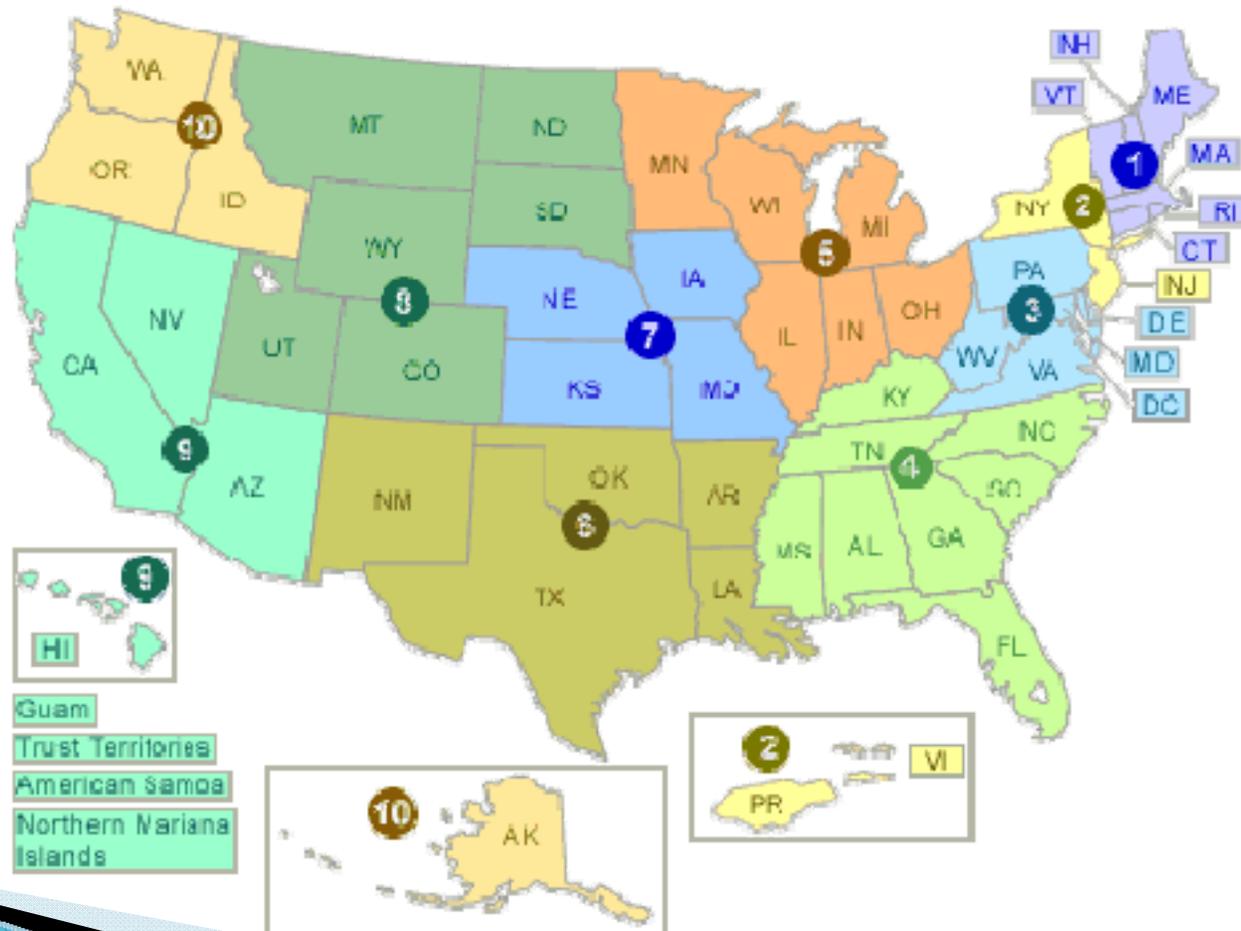


ORSANCO – cont.

- ▶ States and federal government share in operating expenses
 - \$1.2 million annually from Clean Water Act Sect. 103 grant.
 - States contribute based upon amount of watershed in their jurisdiction
 - Total State contributions are about \$1.3 million annually.

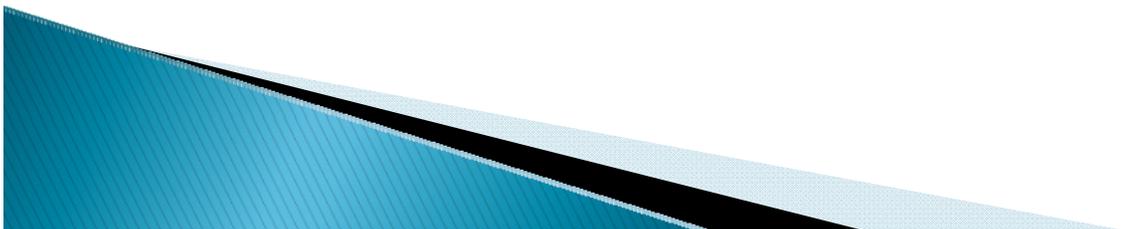


EPA Regions



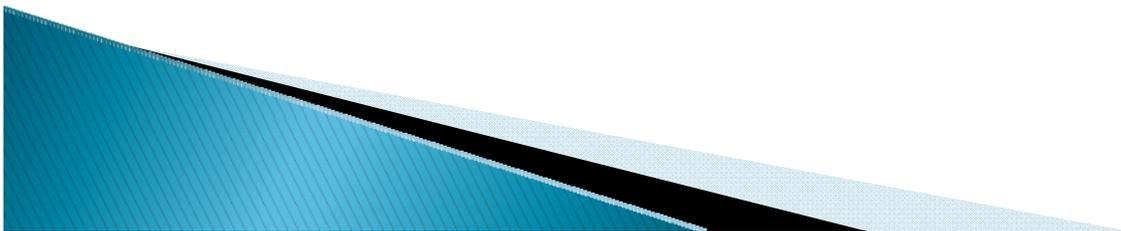
Nutrient and Algae Program

- ▶ Year round monitoring two times per month at 7 Ohio River locations
- ▶ Analyses for total Phosphorus, total Kjeldahl Nitrogen, Ammonia Nitrogen, Nitrate–Nitrite Nitrogen, Total Algae, Chlorophyl a, Turbidity
- ▶ Monitoring results are being used to develop numerical nutrient criteria for the Ohio River.



ORSANCO's Nitrogen Efforts

- ▶ In 2004 ORSANCO commits staff and resources to establish and support an Ohio River Sub-Basin Committee to implement the Action Plan to Control Gulf of Mexico Hypoxia in the Ohio River Basin.
- ▶ The U.S. EPA is the only federal agency that has provided funding towards these efforts thus far.



Sub-Basin Steering Committee

- ▶ Illinois Dept of Agriculture
- ▶ Indiana Dept of Agriculture
- ▶ Indiana Dept of Environmental Management
- ▶ Kentucky Dept of Environmental Protection
- ▶ Kentucky Division of Conservation
- ▶ Ohio Dept of Natural Resources
- ▶ Ohio EPA
- ▶ Pennsylvania Conservation Commission
- ▶ Tennessee Dept of Environmental Conservation
- ▶ West Virginia Conservation Agency
- ▶ West Virginia Dept of Agriculture
- ▶ West Virginia Dept of Environmental Protection
- ▶ ORSANCO

