

## 710.6 - WATER QUALITY PROGRAM

### **OBJECTIVE**

To assess, manage, and protect surface water and groundwater resources in view of regional growth and development and the resultant increased demand.

### **PREVIOUS WORK**

OKI published the Regional Water Quality Management Plan in 1977 in accordance with federal and state requirements. Since then, OKI has published numerous supplemental reports, collected additional information, and refined plan recommendations. OKI's Board or Executive Committee has adopted several resolutions amending the plan where local needs have warranted a change in facility planning boundaries or management agency designations. OKI has provided local governments and their consultants with data and information including population and land use information, reviewed grant applications for consistency with the plan, informed the public of major activities and assisted local implementation of plan recommendations. Since 1983, OKI has executed several contracts with the Ohio EPA, one contract with the Kentucky Natural Resources and Environmental Protection Cabinet (KNREPC), and four contracts with the Indiana Department of Environment Management (IDEM) as part of its water quality management (WQM) planning program, using funds provided by Section 205(j)/604b of the Clean Water Act. The numerous projects completed through FY 2009 have contributed to a long-term comprehensive data base for the region's water resources. Recent initiatives have been related to watershed management, water service areas, non-point source pollution, and public education on water quality issues.

### **METHODOLOGIES**

- 1) OKI will continue to refine the base information and recommendations in the OKI Regional Water Quality Management Plan.
- 2) OKI will respond to requests for permit consistency reviews from Ohio EPA, local jurisdictions and other local constituents, and will pursue associated needs for amendments to the Regional Water Quality Management Plan.
- 3) OKI's current contract with OEPA extends through CY 09.

### **PRODUCTS**

Permit consistency reviews, associated plan amendments as appropriate and public information products as detailed in OKI's contract with Ohio EPA.

## **710.7 - WATER QUALITY PROGRAM (RECOVERY ACT FUNDS)**

### **OBJECTIVE**

To assess, manage, and protect surface water and groundwater resources in view of regional growth and development and the resultant increased demand.

### **PREVIOUS WORK**

OKI published the Regional Water Quality Management Plan in 1977 in accordance with federal and state requirements. Since then, OKI has published numerous supplemental reports, collected additional information, and refined plan recommendations. OKI's Board or Executive Committee has adopted several resolutions amending the plan where local needs have warranted a change in facility planning boundaries or management agency designations. OKI has provided local governments and their consultants with data and information including population and land use information, reviewed grant applications for consistency with the plan, informed the public of major activities and assisted local implementation of plan recommendations. Since 1983, OKI has executed several contracts with the Ohio EPA using funds provided by Section 604b of the Clean Water Act. The numerous projects completed through FY 2009 have contributed to a long-term comprehensive data base for the region's water resources. Recent initiatives have been related to watershed management, water service areas, non-point source pollution, and public education on water quality issues. Through recent funding opportunities from the American Recovery and Reinvestment Act of 2009, OKI was allocated a portion of money from Ohio EPA to enhance and update the Regional Water Quality Management plan for its Ohio communities.

### **METHODOLOGIES**

- 1) Using US Census estimates, existing studies and plans, and available GIS data, conduct water quality planning and technical analysis. This planning and analysis will include information related to water resources, growth and development patterns, on-site wastewater treatment systems, wastewater facilities, non-point source pollution, and watersheds.
- 2) Based on data analysis, identify areas where amendments to the Regional Water Quality Management Plan may be necessary.
- 3) Consult with stakeholders and the public as appropriate.

### **PRODUCTS**

Updated electronically accessible 208 Plan for Butler, Clermont, Hamilton and Warren counties in Ohio. (6/11)

## **710.8 - Dearborn County Water Quality Management Plan Update**

### **OBJECTIVE**

To assess, manage, and protect surface water and groundwater resources in view of regional growth and development and the resultant increased demand.

### **PREVIOUS WORK**

OKI published the Regional Water Quality Management Plan in 1977 in accordance with federal and state requirements. Since then, OKI has published numerous supplemental reports, collected additional information, and refined plan recommendations. OKI's Board or Executive Committee has adopted several resolutions amending the plan where local needs have warranted a change in facility planning boundaries or management agency designations. OKI has provided local governments and their consultants with data and information including population and land use information, reviewed grant applications for consistency with the plan, informed the public of major activities and assisted local implementation of plan recommendations. Since 1983, OKI has executed four contracts with the Indiana Department of Environment Management (IDEM) as part of its water quality management (WQM) planning program, using funds provided by Section 205(j) of the Clean Water Act. OKI applied for and received Section 205(j) Water Quality Planning Grant funds that were available through IDEM from the Recovery Act of 2009 to update the water quality management plan for Dearborn County, Indiana.

### **METHODOLOGIES**

Conduct water quality planning and technical analysis that will include information on point and non-point sources and management, growth areas, and consultation with stakeholders and the public.

### **PRODUCTS**

A current water quality management plan for Dearborn County, Indiana. (12/10)

## **710.9 - WATER QUALITY PROGRAM (OHIO GENERAL ASSEMBLY)**

### **OBJECTIVE**

To assess, manage, and protect surface water and groundwater resources in view of regional growth and development and the resultant increased demand.

### **PREVIOUS WORK**

OKI published the Regional Water Quality Management Plan in 1977 in accordance with federal and state requirements. Since then, OKI has published numerous supplemental reports, collected additional information, and refined plan recommendations. OKI's Board or Executive Committee has adopted several resolutions amending the plan where local needs have warranted a change in facility planning boundaries or management agency designations. OKI has provided local governments and their consultants with data and information including population and land use information, reviewed grant applications for consistency with the plan, informed the public of major activities and assisted local implementation of plan recommendations. Since 1983, OKI has executed several contracts with the Ohio EPA using funds provided by Section 604b of the Clean Water Act. The numerous projects completed through FY 2009 have contributed to a long-term comprehensive data base for the region's water resources. Recent initiatives have been related to watershed management, water service areas, non-point source pollution, and public education on water quality issues. This fiscal year additional funding became available through a state budget item that provides support to areawide agencies (OKI) for water management and planning services.

### **METHODOLOGIES**

- 1) Enhance base data on growth and development and on-site wastewater treatment systems with data based on local indicators.
- 2) Consult with management agencies to get consensus on updates and changes based on identified areas where amendments to the Regional Water Quality Management Plan may be necessary.
- 3) Prepare and present proposed plan amendments for public input and approval by OKI's Board of Directors.

### **PRODUCTS**

Electronically available updated map of Facility Planning Areas (FPA) boundaries and table of updated designated management agencies by FPA as part of a complete version of the 208 Plan for Butler, Clermont, Hamilton and Warren counties in Ohio. (6/11)

## 720.1 – MOBILE SOURCE EMISSIONS PLANNING

### OBJECTIVE

To ensure that OKI's Long Range Transportation Plan and Transportation Improvement Program contribute to the region's attainment and maintenance of national air quality standards.

### PREVIOUS WORK

OKI's three Kentucky counties, four Ohio counties and a portion of Dearborn County Indiana have been designated as a nonattainment area for ozone and fine particulates. OKI has coordinated the process of developing local strategies to reduce transportation emissions in support of revisions to the air quality State Implementation Plans (SIPs). OKI has provided the state agencies with mobile source emissions data for use in the development of SIP revisions. OKI has performed the regional conformity analysis for the region's transportation plans and programs, most recently for the FY2008-11 TIP and the *OKI 2030 Regional Transportation Plan Update* in June 2008. OKI has analyzed the air quality and energy benefits of candidate projects as part of the OKI's project prioritization process.

### METHODOLOGIES

- 1) OKI will continue to coordinate with federal, state and local air quality and transportation agencies on SIP revisions and air quality planning issues including but not limited to conformity determinations. As appropriate, OKI will review current state and federal legislation and regulations and will provide technical information, current data and implementation status information. OKI will perform and document conformity analyses as required under the CAAA and based upon criteria outlined in the U.S. Environmental Protection Agency's (USEPA) Transportation Conformity Rule (40 CFR Part 93). OKI's Travel Demand Model and the USEPA's latest emissions software will be used to generate the necessary traffic volumes, speed and emission factors. OKI's model will be modified, as needed, to utilize the latest EPA emissions program and to incorporate the latest planning assumptions.
- 2) Staff will evaluate the expected air quality and energy benefits of potential CMAQ, STP and SNK funded projects utilizing the OKI travel demand model and FHWA and EPA accepted off-model methodologies.

### PRODUCTS

- 1) Ongoing coordination and consultation with OKI's Board of Directors, OKI Intermodal Coordinating Committee, federal, state and local agencies regarding air quality issues. Preparation of appropriate documentation of Long Range Transportation Plan and TIP conformity. Provision of travel and mobile source emission data to support SIP revisions prompted by changes in local emission control programs and federal standards for ozone and particulate matter.
- 2) Quantification of the expected air quality and energy benefits of candidate projects for STP, SNK or CMAQ funding as required.