

710.3 - MILL CREEK HEADWATERS PROJECT

METHODOLOGIES

OKI received a \$498,010 implementation category grant from the U.S. EPA under Section 319 of the federal Clean Water Act. A dozen project partners will help OKI implement recommendations in both the Mill Creek Total Maximum Daily Load (TMDL) Report and the Upper Mill Creek Watershed Action Plan.

- 1) Reduce nonpoint-source pollution from nutrient loadings, organic enrichment and habitat alteration along the upper Mill Creek and East Fork Mill Creek in West Chester Township
- 2) Establish an education and activities program for property owners, homeowners associations and agricultural landowners about ways to reduce water pollution
- 3) Establish a monitoring program at five or more sites to evaluate the effectiveness of implementing selected best management practices

PRODUCTS

- 1) At least 4,000 feet of stabilized streambank; at least 2,000 feet of restored riparian corridor; at least 5 acres of restored floodplain with wetland enhancements (6/09)
- 2) Educational brochure, CD, videotape, and website/newsletter articles; Educational events: field day tours, and stream cleanups (6/09)
- 3) Quality Assurance Project Plan and a monitoring report (6/09)

710.4 – ST. CLAIR TOWNSHIP COMPREHENSIVE PLAN

OBJECTIVE

To assist St. Clair Township (Butler County) in producing a comprehensive plan that includes a source water protection element.

METHODOLOGIES

OKI, working with the township, the Butler County Planning Commission, the Hamilton to New Baltimore Groundwater Consortium and the Miami Conservancy District, will assist in the preparation of a comprehensive plan that includes a source water protection element. The comprehensive plan will address the township's existing conditions, growth projections and the value of water resources upon which residents, landowners, and businesses rely. The final comprehensive plan may include the following elements: transportation, housing, public facilities and services, natural systems, source water protection, economic development, intergovernmental coordination, capital improvements and land use.

PRODUCTS

Interim and final comprehensive plan products, per scope of work accepted by St. Clair Township and Miami Conservancy District (the funding agency). (6/09)

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 2008 have contributed to a long-term comprehensive data base for the region's water resources. Since FY 1988, OKI has been involved in groundwater planning for the four Ohio counties of Butler, Clermont, Hamilton, and Warren. Other 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. As part of these activities, OKI is heightening awareness of water quality issues through public education, and its involvement in groundwater projects and watershed initiatives.
- 2) For its Ohio counties, OKI's current contract with OEPA extends through CY 08.
- 3) As in the past, OKI will continue to negotiate with OEPA, KNREPC, IDEM, and other state agencies and provide technical assistance to local agencies, as appropriate.

PRODUCTS

- 1) Water quality public awareness outreach activities. (as appropriate)
- 2) For OEPA, specific products as negotiated in CY 08. (12/08)
- 3) Other products in response to regional needs and appropriate funding sources. (as appropriate)

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 potential air quality and energy benefits of potential CMAQ, STP and SNK funded projects using the OKI travel demand model as well as FHWA and EPA accepted off-model methodologies.

PRODUCTS

- 1) Ongoing coordination and consultation with OKI's Board of Directors, OKI Intermodal Coordinating Committees, 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. (6/08)
- 2) Quantification of the air quality and energy benefits of candidate projects for STP, SNK or CMAQ funding as required. (5/08)