

APPENDIX A TASK 3 WORK PLAN

Objectives: Data collection efforts will focus on providing information to support:

- temporal and spatial analysis of water quality
- knowledge of water quality and flow for unclassified streams
- evaluation and development of state-wide, regional, and site-specific water quality standards
- permit criteria related to the perennial or intermittent nature of receiving streams
- receiving water assessments
- 305(b) assessment and 303(d) priority monitoring
- use attainability assessments
- waste load evaluations (WLE) or total maximum daily load (TMDL) development

Task Description: The continued implementation of a basin-wide water quality monitoring plan is the primary focus for this biennium. A new Quality Assurance Project Plan (QAPP) will be completed to reflect any additional monitoring. Updates to the QAPP will be made annually at the beginning of each fiscal year or as requested by TCEQ. In addition, any changes to the monitoring plan will be made through an amendment to the QAPP before the changes are implemented. The monitoring plan will strive to meet quality assured monitoring and analytical protocols while addressing the following goals:

- determine standards compliance and provide documented water quality data basin-wide for further evaluation of trends and other related issues
- collect data to aid in developing and evaluating watershed specific standards
- provide supplemental data to complete the Clean Water Act (CWA) 305(b) Water Quality Inventory

The Sulphur River Basin Authority monitoring plan will continue to attempt to address water quality goals identified in the CRP 1996 Assessment Report and 1999 Basin Summary Report, and provide a unified plan with both regional and local agencies. The monitoring plan for Fiscal Year 2004-2005 includes routine monitoring and systematic monitoring.

Task 3.1 The primary objective of the Routine Monitoring Program is to continue and extend the long-term water quality database to follow trends and identify water quality changes in major sub-basins of the Sulphur River system. FY 2004 Routine Monitoring Plan provides for four fixed monitoring stations. SRBA will assist Region 5 in monitoring three stations located on Lake Wright Patman (Segment 0302). Field measurements, and conventional chemistry will be collected for times by SRBA to complement TCEQ quarterly monitoring. Diurnal dissolved oxygen studies will be undertaken twice. In addition, SRBA will monitor quarterly on site on Days Creek at State Line road for field measurements, E.coli, fecal coliform, and conventional chemistry. Biological and habitat assessments, and 24-hour dissolved oxygen measurements will be conducted at this site on a semi-annual basis during the index period (between March 15 and October 15) with one of the two events occurring during the critical

period (July 1 and September 30) separated by at least 30 days under normal to low flow conditions.

Task 3.2 During FY 2004, systematic monitoring will be conducted in the White Oak Creek (Segment 0303B) and Days Creek (Segment 0304) watersheds. A total of six stations have been selected for field investigation. Three tributaries of White Oak Creek will be studied. These are Big Creek, Stouts Creek and Caney Creek. Each will be monitored quarterly for field and conventional parameters, and E. coli bacteria. These sites will be studied twice a year for diurnal DO, nekton, and benthic populations, and habitat assessments will be conducted. Three sites on Days Creek will be monitored twice for diurnal DO, nekton, and benthic populations and habitat assessments.

Task 3.3 Targeted Monitoring- No targeted monitoring has been planned for the FY 2004-2005 biennium.

Task 3.4 Special Studies- No special studies have been planned for the FY 2004-2005 biennium.

Progress Reports will describe the number of sampling events and the types of monitoring (including targeted) being conducted.

Deliverables & Due Dates: September 1, 2003 through August 31, 2004

Task 3.1 – Routine Monitoring & 3.2 – Systematic Monitoring

A. Conduct water quality monitoring and provide details of the monitoring activities in Progress Reports – December 15, 2003; March 15 and June 15, 2004

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