

**Improving Water Quality by Developing, Implementing and Field Testing Innovative Methods  
FY 03 CWA 319(h)  
TSSWCB Agreement No. 03-10**

Quarter no. 2 From 1/01/04 Through 3/31/04.

**I. Abstract**

Project efforts during the second quarter primarily focused on selecting a representative and knowledgeable advisory committee and technical committee to provide guidance and expertise in the technology selection process. TCE received positive response to the RFP and are looking forward to implementing selected technologies during the third quarter.

**II. Overall Progress and Results by Task**

**TASK 1: Demonstration and Evaluation of New Technologies**

*Subtask 1.1: Identification of potential technology providers. TCE, TWRI, TFB, dairy industry representatives, EPA Region 6, TSSWCB, TCEQ, BRA, NRCS, and TAES will identify and select promising technologies represented by willing technology providers. (month 1 thru 3)*

The following actions have been completed during this reporting period:

- a. TCE set up advisory committee consisting of watershed stakeholders and representatives from involved agencies. Committee will meet on biannual basis to discuss project activities (second meeting is planned for fall '04).
- b. Advisory committee met on 1-27-04 in Stephenville. Discussed project implementation and briefly reviewed seven potential technologies.
- c. TCE set up Technical Committee (a sub part of the Advisory Committee). The 28 members of the technical committee were selected and notified on 3-8-04.
- d. TCE and TWRI developed RFP for technology proposals and released RFP on 3-2-04 with a deadline of 3-31-04.
- e. TCE received 6 proposals and technical committee members are in the process of reviewing proposals.

**30% Complete**

*Subtask 1.2: Identification of dairy cooperators in the North Bosque watershed area that use a flush system and lagoons to remove, store, treat, and land-apply effluent (manure and process-generated wastewater). TCE, TSSWCB and TFB will identify dairy operations willing to participate in these demonstrations. (month 1 thru 3)*

The following actions have been completed during this reporting period:

- a. Technology providers were encouraged to identify dairy cooperators within individual proposals.

**15% Complete**

*Subtask 1.3: On-site installation and start-up of the six pilot-scale technologies to be demonstrated. Technology providers will carry out the task of equipment transport, on-site installation, set-up, and start-up. With permission from the cooperating dairy owner/operator, the technology provider will prepare the site to install and operate the system for demonstration. (First installation by August 2003, last installation 6 months before the end of the 3-year project)*

The following actions have been completed during this reporting period:

- a. No progress to report at this time.

**0% Complete**

*Subtask 1.4: QAPP preparation and field data collection and analysis. TCE will prepare the DQO and QAPP, and collect samples from raw and treated effluent and resulting sludge. One of the evaluation tasks will be to analyze the sludge or by-product remaining after raw material treatment for P stability (August 2003 to May 2006)*

The following actions have been completed during this reporting period:

- a. Draft QAPP was reviewed by project cooperators, TWRI incorporated suggested language and document is receiving final edits.

**50% Complete**

*Subtask 1.5: Develop reports and outreach education materials. TCE in cooperation TWRI will produce educational brochures and publications on effectiveness of this innovative technology. Quarterly and final reports will be prepared and submitted in a timely manner.*

The following actions have been completed during this reporting period:

- a. Submitted Year 1, quarter 2 report to TSSWCB on 4-15-04

**10% Complete**

### **III. Related Issues/Current Problems and Favorable or Unusual Developments**

Because project was not funded until 12-03, all related tasks are behind schedule. Specifically, on-site technology implementation will not begin in 8-03 as originally planned. Rather, first-year technologies implementation is projected to occur during quarter 3. As a result, project administration will seek a no-cost extension for project tasks.

### **IV. Projected Work for Next Quarter**

The following will be accomplished during the coming quarter:

- a. Technical committee will meet on 4-19-04 in Waco to select technologies to be implemented.
- b. QAPP will be submitted to TSSWCB for review.
- c. Selected technologies will be implemented. Data collection and verification of technology will subsequently follow.