PROJECT NUMBER
04112

PROJECT TITLE
NPDES Stormwater Phase II Technology Transfer

PRINCIPAL INVESTIGATOR
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PROJECT OBJECTIVE
This project will develop an NPDES Phase II Stormwater Compliance and Best Management Practices (BMP) manual and associated training directed specifically to transportation related aspects of Phase II of the Stormwater NPDES (National Pollutant Discharge Elimination System) program. This manual will be used to develop and deliver short courses to Alabama Department of Transportation (ALDOT) and transportation related personnel throughout the area. The manual will be available on-line or as hardcopy through UTCA for the courses. The main outcomes of the course will be 1) Impacts of DOT activities on waterways in Alabama. 2) Complying with new Phase II regulations relevant to transportation activities.

PROJECT ABSTRACT
In Alabama alone, 46 communities are impacted under the new Phase II regulations. DOT construction activities within these areas are directly impacted and DOT and transportation related construction personnel who have not previously been required to comply with stormwater runoff regulations will now be involved in the program. These workers have little idea of why they should and how they can comply with Phase II regulations the courses and manual will address that need.

This project will develop a manual and course that is tailored to transportation industry needs in the area of Phase II training, outreach and permit requirements. The target audience will include DOT employees and transportation-related stakeholders such as developers who’s activities directly impact DOT Phase II permits. Chad Christian of TDOT will consult on the development of course materials and give practical expertise on permitting issues to the course participants. ADEM personnel will also be available to help structure the materials and workshops. Steve Jones PI of project 03217 has agreed to do the following:
• Provide access to the database of potential participants for the course
• Advertise the course through the ‘Signal’ newsletter and other sources
• Provide on-line registration for course participants

The course and the manual will emphasize developing and communicating common sense, low-cost strategies for stormwater pollution control at the local level and promote an understanding
of how best management practices by transportation workers directly affect their “after-work” lives through awareness of the impact of poor runoff management on fishing, hunting, recreational activities etc.

PROJECT TASKS
Task 1: Development of Manual
Task 2: Coordinate and set up the Training course
Task 3: Teach the short course, evaluate it, obtain feedback on the manual
Task 4: Prepare final report

MILESTONES AND DATES.
Task 1: Jan 1 – May 31, 2004
Task 2: Jan 1 – May 31
Task 3: Jun 1 – Nov 31
Task 4: Nov 1 – Dec 31, 2004

TOTAL BUDGET
One-year project; UTCA funds $52,391; total budget $104,556.

STUDENT INVOLVEMENT
Two graduate students will be funded half time on the project

RELATIONSHIP TO OTHER RESEARCH PROJECTS
This course will build upon UTCA Technology Transfer project 03217 currently in operation: PI Steve Jones UAB. It will also build on the recently completed UTCA project on training materials and workshops on construction erosion control by Shirley Clark (project 00233).

TECHNOLOGY TRANSFER ACTIVITIES
Four eight-hour seminars will be presented. The manual will be developed and distributed to course participants at the workshop. Others may obtain copies of the manual through UTCA (hardcopy) and the UTCA website (downloadable version) through the UTCA. An internet site will be developed that contains course materials and other information

POTENTIAL BENEFITS OF THE PROJECT
This proposed project will develop a summary guide for stormwater management for Alabama highway construction projects, will include a series of 4 day long workshops to review the regulations and needed controls, and will develop an Internet site that contains course materials and other information. This proposed project therefore directly addresses the Technology Transfer goal of the UTCA and the high priority topic of Phase II stormwater training.

TRB KEYWORDS
Stormwater, Runoff, NPDES Phase II, Best Management Practices