

Coastal Response Research Center PAH Toxicity Summit  
Translating Research into Operations

This work will aid the Center in fulfilling one of its overall missions: “*to transform research results into standards of practice and demonstration projects.*”

- A. Overview of Center-funded projects: After completing 4 funding cycles, the Center has funded 19 projects, 10 of which are toxicologically based. Two studies have been completed, seven are in progress, and one is new for 2006. Five of the ten studies conduct bioassays using chemically dispersed oil in their experimental designs. Species used have ranged in trophic levels and sensitivities. Most of the studies have conducted detailed chemical analysis in characterizing exposures. Three of the studies presenting different methods for modeling PAH toxicity: total lipid model (equilibrium partitioning, individual based), time-dependent toxicity (toxico-kinetic, individual-based), and toxicity at different life stages (Leslie matrix, population-based).
- B. On Feb 2, 2006 a select group of NOAA scientists with biological, modeling, and toxicological experience were identified to form the CRRC Toxicity Working Group. This group will help CRRC identify projects with potential for transitioning from the research arena into practice.
- C. This summer, the Center will host a 1.5 day Toxicity Summit. The objective of the Summit is to bring the TWG and Center-funded PIs together to discuss strategies for transforming research results into operations and to identify people or teams to implement the strategies. Issues such as methods for modeling PAHs, appropriate exposure and analytical methods, and multiple mechanisms of toxicity associated with PAHs will be examined.