

TRIAD

*Toxic Release Inventory
Alternative Development*



Warner Robins Air Logistics Center
Environmental Management

TRIAD



TRIAD Overview

Abstracts

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Robins AFB has a very active research, demonstration and technology evaluation program. We take numerous routes to find partners to share in the development and find applications for new technology. Through avenues such as the strategic environmental research and development program and in-house research, we are actively finding and utilizing every available funding source to move technology from the drawing board to the factory floor. Previous attempts at finding alternatives often foundered on the implementation phase--where the end user felt the solution did not fully encompass their needs. Involving the end user at every critical step in the process, not only lends expertise in defining the problem and solution; but also has an emotional commitment to finding and implementing a solution--making the end user a full partner.

- The **Toxic Release Inventory Alternative Development (TRIAD)** project was initiated to find alternatives to the most widely used toxic release inventory chemicals, ozone depleting substances, and hazardous air pollutants in use on the installation. TRIAD established a systematic approach to finding solutions in the logistics community where the weapon systems managers have the ultimate say at every step in the process.
- The TRIAD process is just the pollution prevention process formalized. The process coordinates efforts with weapon system and process engineers to develop process area roadmaps to discover all the weapon system parts in the process of interest, the owner of the parts, and all of the applicable technical orders. The TRIAD process provides a general search for alternatives, and selects the most promising based on performance, previous efforts, and environmental, safety, and occupational health (ESOH) criteria. Test protocols are then used to test alternatives. The alternatives which pass the test criteria along with the test results, life-cycle analyses, and ESOH evaluations are forwarded to the users to down-select the most promising candidate for implementation. The users and the ESOH team are presented with a complete picture of the alternatives in order to make the most informed decision on alternatives.