Center for Chemical Technology

Edward B. Walker/Weber State University/Ogden, Utah

Established as a center in 1990. The Center functions as an innovative resource to the community by conducting applied research in a variety of chemically-related areas leading directly to new and/or enhanced products. The Center facilitates the collaboration of Utah companies with diversified chemical interests to form alliances that benefit both them and the State of Utah.

Overview

1994-95 State Contract	$115,500
Matching Funds	$256,325
Cumulative	$1,590,050
Center Related Jobs	10
Industry Jobs Created	22
Benefiting Utah Companies:	
1994 Spinoff Companies	2
Cum. Spin-off companies	2
Patents Applied	3
Patents Issued	4
License Agreements	3

Technologies

- **Natural product chemistries**
- **Heavy oil separation and recovery**
- **Bioremediation and chemical characterization of various remediation technologies**

Status

- **Four approved** patents and three patents pending
- **Working closely** with SBDC in the establishment of business plan that will enable Center to become self-sufficient in time. Broad diversity among industrial partners insures a more flexible financial support base. This fact, coupled with continued success in research and development helps provide a service-oriented source of income from the business community.
- **New partnerships** have been formed with Great Basin Lab, Linco Inc., Surgical Technologies, and Asbury Fluxmaster.
- **Working with SBDC** consultant to establish commercialization plan.

Economic Impact

- **A pilot-scale facility** was constructed near Vernal, Utah this summer utilizing technologies patented through Center research efforts.
- **Eastman Chemical** sent two full-time engineers to Ogden to work with us in developing a pilot-scale B-carotene harvesting facility on the Lake.
- **ZymeQuest**-sponsored research involving the conversion of type-B blood to "universal donor" type-O blood has received notoriety in our local newspaper and spawned interest of local medical facility at HAFB.
- **Swapco** and its Texas partners conducted a full-scale extraction test at Asphalt Ridge (near Vernal) using the equipment that will eventually be used in the full-scale plant. These tests were successful in validating the economic feasibility of the extraction process and Swapco has committed to build a 3,000 barrel-a-day plant at Asphalt Ridge.