

PROJECT FACT SHEET

CONTRACT TITLE: ARC/INFO Database Design Course

ID NUMBER: 75-98SW43198

B&R CODE: AC1015000

CONTRACTOR: Interstate Oil and Gas Compact Commission

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PROJECT SITE

CITY: Oklahoma City **STATE:** OK
CITY: **STATE:**
CITY: **STATE:**

CONTRACT PERFORMANCE PERIOD:

9/15/1998 to 9/14/1999
PROGRAM: Environmental-Oil
RESEARCH AREA:
PRODUCT LINE: EEP

FUNDING (1000'S)	DOE	CONTRACTOR	TOTAL
PRIOR FISCAL YRS	27	0	27
FISCAL YR 1999	0	0	0
FUTURE FUNDS	0	0	0
TOTAL EST'D FUNDS	27	0	27

OBJECTIVE: Provide training to state oil and gas regulators on how to effectively implement GIS systems to reduce the cost of oil and gas permitting.

PROJECT DESCRIPTION:**Background:**

Work to be Performed: ARC/INFO Database Design is intended for all ARC/INFO software users who design or work with a GIS database. This course teaches basin GIS database design principles and provides specific tools for building a georelational database using ARC/INFO software. These tools include ARC/INFO methods, cartographic techniques, data analysis methods, techniques for evaluating user needs, and organizational skills. The course is designed primarily for those responsible for building or maintaining a GIS database, but ARC/INFO Database Design provides an excellent conceptual foundation for anyone working with a spatial database. Participants will learn the entire database design process, which includes ARC/INFO design issues, the users needs assessment, data analysis and evaluation, conceptual and logical design, physical design, automation plan, pilot project, and final implementation. The course will stress the importance of planning and designing in the context of a shared database that contains all the data necessary to support applications with minimum redundancy, error and inconsistency.

PROJECT STATUS:**Current Work:****Scheduled Milestones:**

Accomplishments: The course was successfully completed for 28 people representing 13 oil and gas producing states. Each of the states participating reported that the course has helped them improve there current use of GIS systems or significantly reduced there costs in implementing such systems.