



XA04C1688

STATUS OF ANS CLOSEOUT ACTIVITIES

Presented to IGORR-IV Meeting

May 24, 1995

C. D. West

ANS CLOSEOUT ACTIVITIES (1)

- All design work was stopped (except where finishing the design was more efficient than documenting its incomplete status)
- Activities that will generate information useful to other DOE programs are being completed or being brought to a logical stopping point
 - completion of some R&D test series (where partial information would be of little or no use, but the whole series would be valuable)
 - documentation and publication of scientific and engineering data (to make useful results available)
 - complete development of some electronic tools for information management (needed to complete the documentation and archiving efficiently)

ANS CLOSEOUT ACTIVITIES (2)

- Information is being packaged for storage and potential use in the future
 - special efforts are being made to preserve easy access to the information that would be valuable to other DOE reactor or neutron source projects

COMPLETION OF ACTIVITIES "THAT MAKE SENSE" (1)

- Fuel fabrication and testing
 - statistical analysis of fuel plate defects
 - homogeneity studies
 - complete examination of specimens from HANS-3 irradiation capsules
 - evaluate techniques for centering graded fuel meat within the plate

- Al plate corrosion experiments
 - complete tests at low pH (<5.0)

COMPLETION OF ACTIVITIES "THAT MAKE SENSE" (2)

- Thermal hydraulics
 - tests with wide-span plates
 - measure effect of alternate flow blockage shapes
- Aluminum structural materials
 - testing of specimens from HANSAL-T2 and -T3 irradiation
 - complete aluminum irradiation creep tests
- Neutron beam handling
 - test modular neutron beam polarization analyzer

COMPLETION OF ACTIVITIES "THAT MAKE SENSE" (3)

- Nearly completed software for
 - officially releasing documentation
 - storage and retrieval of information
 - managing technical interfaces
 - managing the design integration process

PACKAGING OF INFORMATION (1)

- Backup studies, calculations, etc. and incomplete material felt to be potentially useful for future projects
 - about 100 boxes of paper (about 1/2 million pages or 20 file cabinets) will be stored in the Federal Records Center in Atlanta, Georgia
 - A magnetic tape (about 2 Gbytes) for electronic files will be stored at an appropriate location to be determined
 - A listing of the material available and its completion status is being prepared

PACKAGING OF INFORMATION (2)

- Officially released research, development, and design documentation will be available on a set of three or four CD-ROM discs
 - documentation represents over \$120 M of effort
 - includes over 500 journal articles, conference papers, design descriptions, and other documents (over 30,000 pages); over 200 engineering drawings, and several videos
 - software for reading the information is included on the discs
 - an index and some word search capability will be included
 - a listing of the backup material in the Federal Records Center will be included
 - test discs have been sent overseas and found to be readable

ANS CLOSEOUT STATUS

- All work is expected to be complete by September 1995
- Approximately 30% of backup and incomplete material is ready for shipment to the Federal Records Center
- Over 17,000 pages of CD-ROM material (that was already in electronic form) is ready now
 - test disks were sent to some people outside the U.S. (Bernard Farnoux reported that he was able to read the disk without problems)
 - the rest is being optically scanned right now
 - distribution arrangements are not yet finalized
 - all IGORR members will be informed