

NETWORK NOISE

LCAM/CAS Newsletter

Terry Christie, Editor

Next Meeting to be held at Grand Junction & CAIS 3.0 Pilot

Grand Junction Meeting

Feb. 8, 1996 in Amarillo, the network membership voted to hold the next network meeting in Grand Junction, Colorado and tentatively set the date as Sept. 24-26, 1996. Kyle Brannon of GJPO has been assigned to handle the meeting arrangements. Main topics of the meeting will include the future of CAS, CAS funding, CAIS 3.0 pilot progress and survival.

CAIS 3.0 Pilots at Oak Ridge

April 1, 1996, Amarillo. First let me thank you for the opportunity to serve you as Network Chairman, I think. The roads ahead sit paved with uncertainty with the fight for funding at the majority of sites, general downsizing of the complex and elections in the fall. Don't feel

Feb. 23, 1996 Ken Baker, DOE CAS Program Manager, announced that the two CAIS 3.0 pilot projects will be placed at Y-12 and Oak Ridge National Laboratory. Due to an administrative problem, the second pilot was transferred from the Hanford site to ORNL. KPMG-Peat Marwick has begun the setup at the two sites and the program is on schedule.

July-CAIS Support Contractor Change

anyone is in this alone, as you are individuals in a boat of people dedicated to the survival of the program and Captained by Ken Baker and other DOE personnel of Headquarters and the Operations Offices, who are of the same dedication. Should anyone need help, please contact

March 22, 1996 Ken Baker, DOE CAS Program Manager, announced awards of the next CAIS support contract to DynCorp, who also has the contract to support the FIMS project. Note that Parsons-Brinkerhoff will remain the CAS Program Development Contractor. We have enjoyed the fine technical support and personnel of the KPMG-Peat Marwick organization, and will miss their individual interface.

Notes from the Chairman

me and we can put you in contact with someone that has the advice or information to assist you. With Terry Christie's (ORNL) efforts to keep this newsletter issued and your help in contributing articles, the LCAM/CAS Network membership will be afforded a better chance

to survive. Our unity as a group can present a united front. We need to aid each other and support Ken Baker in his continuing effort to support and expand the CAS Program. Should anyone not find me available, please contact Darrell Tullock at ORNL, the newly elected Assistant Network Chairman. Hope to see all sites represented at the Grand Junction Meeting in the fall.

Bob Von Eschen, Pantex

Y-12 News

The Y-12 CAS program is mature and looking toward expansion. Since its inception in 1993, the CAS team has inspected more than 600 facilities at Y-12 totaling more than six million square feet. In addition, the CAS team has inspected facilities at the K-25 plant, and the DOE facilities operated by Johnson Controls and ORISE. A significant amount of the Y-12 site infrastructure has also been inspected including: steam distribution and return, gas utility distribution, roads, walks, and some electrical distribution components. All Y-12 facilities except for those in stand-down have received a baseline inspection!

Now the CAS teams are pursuing the inspection of ORNL buildings which are located within the Y-12 site. It is our goal to complete this effort in the next quarter. Meanwhile, we are also

beginning the re-inspection of the Y-12 facilities. Many of these buildings received their initial baseline inspection two years ago and are now due for re-inspection per CAS schedule.

In conjunction with the normal CAS inspection we are offering a characterization of the facility. This characterization involves collecting additional data on equipment, taking more photographs, and other information which can be used to present the capabilities of the facility. This data is then developed for presentation as a Virtual Tour of the facility via the Internet. To date this characterization has been completed on a typical building with office and shop space, and on the steam generation and distribution system at Y-12. It is our intention to turn this effort into part of CAS which will be in much demand.

Additionally, the CAIS software has been selected as the home of the Master Equipment List for Y-12. CAIS lends itself quite well to this use. We also envision using CAS data to help populate the FIMS database.

The CAS effort at Y-12 is fast paced and ever changing as is evidenced from the foregoing. The next change and challenge will be CAIS Version 3.0 Y-12 has been named as a pilot test site for the software. At Y-12 the CAS program is established and mature, but is ever changing.

Terry Bowers, Y-12

CAS Enables Expeditious Inventory of DOE Chillers

The energy conservation and environmental protection challenges presented by large chillers that provide cooling for offices, laboratories, and production facilities are numerous. Many chillers currently in operation use chlorofluorocarbon (CFC) refrigerants that harm the stratospheric ozone layer, which screens out harmful radiation from the sun. Older chillers also utilize much more energy than models currently available.

Defense Programs (DP) efforts to deal with CFC chillers at its sites began in 1994. In order to define the scope of the problem, DP recognized early on the need to determine the extent of CFC chiller utilization within its facilities. The problem was gathering and collating this information in an expeditious manner. The solution was the Condition Assessment Survey (CAS) process. The site inspectors used a new CAS module, designed by DP and funded by DOE's In-house Energy Management program, to examine chiller equipment and record a wide variety of information regarding their condition (their usage, leakage, condition, etc.) Into the

hand-held units. The data collected was uploaded to personal and mainframe computers for further analysis. This revealed

The CAS survey encompassed approximately 50 percent of the physical assets within DOE. Extrapolating from this figure, along with scrutiny of other agencies suggests approximately 4000 chillers with similar characteristics throughout the Federal Government. This implies a tremendous opportunity for energy conservation as well as operating cost savings and CFC mitigation.

Realizing the broad scope of the chiller issue, DOE and the General Services Administration (GSA) is cooperating in the establishment of a Basic Ordering Agreement to simplify procurement and to encourage more Federal agencies to order new chillers that are more energy efficient and environmentally friendly. Made possible by the Federal Acquisition Streamlining Act of 1994 and the new Federal Acquisition Regulations issued by GSA for purchasing commercial items, a generic technical specification for chillers has been developed in partnership with the five major domestic vendors that produce water-cooled chillers.

Under the Basic Ordering Agreement, the Federal Government and the manufacturers agree in advance to the purchasing terms and conditions. This process

that DOE is saddled with a lot of old chillers that are much less efficient than new chillers. Most of DOE's significantly reduces the procurement, design, and other costs associated with Federal purchasing of chillers, and cuts down "red tape." The total procurement costs are expected to be less than 2% under this process. Procurement time is reduced to days rather than months. It is estimated that the economics from energy efficiency, lower maintenance and operating costs, and streamlined procurement will contribute to an estimated savings to the taxpayer of more than \$2 billion throughout the Government.

James Coyle, DP/DOE

Oak Ridge National Laboratory News

The ORNL CAS Program is going strong. Since we began this program in December 1993, we have had some ups and downs but at present time we are very much alive and going strong. We have 701 assets with building space covering 3.32 million square feet. We are 95% complete in our inspections. Preparations for reinspections have begun and will include a more in depth look at the condition of our facilities. We are working with maintenance at present time testing the feasibility of entering our findings

chillers will be sitting or beyond their useful lives over the next 10 years.

into the work order system. We hope to have this up and running within the next few months.

We are working with the people in the computer services division to get our reports and findings on the Internet. We hope to be able to give the facility managers and engineers access to this information, right at their fingertips.

We are very optimistic about our future and hope to be a useful organization for a long time to come. We are doing whatever we can to make sure that our customers find our services useful and something they have a need for.

Parsons Brinkerhoff was at our site the week of March 18-22 installing CAIS 3.0 for us to test. We see great improvements in this version and hope that by the time they put it out in May that we and Y-12 will have all of the bugs worked out of it. It is a lot easier to navigate than the previous versions.

Terry Christie, ORNL

Final Note From the Editor:

I have enjoyed working on putting this newsletter together and hope it will be of some benefit to you. I hope by the next edition that I will have more input from other

sites. Let me know what you think of it and what changes you would like to see in future editions.

Remember this is your newsletter!