

NETWORK NOISE

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Terry Christie, Editor

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Pantex CAS

Bob Von Eschen

BWXT management has formally closed the Pantex CAS effort, and is in the process of dismantling all remaining record systems. I have been transferred to the Reliability Engineering Group and been divorced from any inspection activities. I wish to thank all the LCAM/CAS Network personnel for their support and friendship in the past years. Please call upon me for any assistance that I am able to render you in the future. My belief in the program and wishes for your future successes remain absolute.

Y-12 BWXT

Jane Nations

The Condition Assessment Program at Y-12 went into full operation in September after a five-year absence from the site. The program kicked off with inspector training which was presented at Y-12 the week of September 11. Six inspectors, the CAIS administrator and the CAS program manager were in attendance. Facility inspections began the week of September 17 with three full-time inspectors. The second inspection team is expected to join the program sometime during December.

Inspections are progressing very well and are expected to continue for several years. We are currently on a three-year rotation in order to fully inspect the site, and will then go to a five-year rotation. The reception of the CAS program at Y-12 has been very positive. BWXT has developed a 10-year site plan, and the data generated from the CAS inspections is being used to support the infrastructure reduction as well as the deferred maintenance activities. Hopefully, this will continue and we can be a valuable

resource for the maintenance planning and budgeting.

ETTP

Jane Nations

The Condition Assessment Survey team at ETTP is currently in its fourth year of inspections. This year begins our first cycle of re-inspections, as we are on a three-year rotation. The program still consists of three inspectors and one CAIS administrator, working as a third tier subcontractor to Bechtel Jacobs through the Facility Management, Surveillance, Inspection and Testing (FMSIT) contract.

Inspections continue to progress very well, with the main focus for deferred maintenance reporting. We are currently in a state of transition while we support the start-up effort at Y-12, and as a result, may modify our inspection team. Hopefully, this will all smooth out in a couple of months, and we will be back to normal. Hope to see everyone in March!

CAIS Software News

Dennis McDermitt

CAIS 2000 Version 1.3 is now available for download from the CAS web site (<http://cas.hr.doe.gov/cais13.htm>). This version implements some of the enhancements and bug fixes that came out of the CAIS Inspector and Administrator Training sessions held at Los Alamos and Y-12. For a comprehensive list of changes, see the release notes on the web site.

Also available are the scripts that insert the new FIMS model types into the CAIS 2000 database. We mapped the old models to the new as best we could, but you should go back through your assets after running the

script to ensure that the new models are appropriate.

Finally, the procedure for generating deferred maintenance figures and deficiency systems for FIMS is now available. This Oracle procedure creates two text files that the FIMS Administrator can use to upload the information to FIMS. For next year, we will include this functionality in the CAIS software itself so that the process will be as simple as selecting "Generate FIMS Upload Files" from a menu.



Looks like a lively bunch at the October Network meeting in Oak Ridge

Revised DOE Building RPV Model Costs

Jesse Oak, Parsons Brinkerhoff

Parsons Brinkerhoff (PB), working with the R.S. Means Company, updated costs used to create Replacement Plant Value (RPV) costs for DOE structures. PB performed this work for the DOE Facilities Information Management System (FIMS). However, it was decided to create systems breakdowns that could be used by the CAIS2000 to develop building system ratings under the Summary Condition Code reporting.

Beginning last spring at the CAIS User's meeting in Las Vegas, PB and R.S. Means worked with representatives from several DOE sites to define 52 building models to be used to create RPV costs. Input from the sites was vital to ensure that the models created represented the majority of the building types and exclude specialized and unique structures such as reactors and accelerators.

The first step was the development of a standard methodology for the creation of the standard building model types. The model types were based on the R.S. Means square foot model system. The process involved the creation of a standard building model for each type based on current construction practices and codes. Once a standard model was developed for each building type, the information was provided to R.S. Means. R.S. Means then created line item costs for the components and systems that make up the building. Formulas were developed to create material quantities and the line items were summarized into costs based on the 12 R.S. Means building systems. Since a standard size was created for the building, a square foot cost was calculated for each of the models and a cost to construct each of the standard models was calculated. The costs were checked and verified to make sure they included of the type defined. The costs provided at this phase were the requirements for the FIMS program.

The next step was to break down the cost for each of the R.S. Means building systems. Under the DOE system, we have separated the mechanical costs into three subsets – HVAC, Plumbing, and Fire Protection. The building costs developed represent the construction cost to build a structure only and do not include items such as site work, furnishings, personal property and specialized production equipment. The breakdowns represent the percentage of the total costs for each system. The system breakdowns were then provided to DynCorp for incorporation into the CAIS2000 system to provide a comparison with the deferred maintenance cost determined by condition assessments of the buildings. The RPV costs in the CAIS2000 system are provided by the FIMS program to document the site defined RPV costs and create the system costs.

The system has been incorporated into the latest version of CAIS2000 and the percentages and FIMS RPV costs will be updated annually by R.S. Means to allow the sites to easily meet the Headquarters Deferred Maintenance requirements.

CAIS Inspector and Administrator Training

Dennis McDermitt

CAIS Inspection and Administration Training sessions will be held at the DOE Nevada Operations Office on January 14-15 and January 16-17, 2002. Each two-day class can accommodate eight students. The course covers the CAS field inspection methodology and includes an introduction to the operation and administration of CAIS 2000. Although the course is aimed at CAS inspectors, it will be of value to anyone participating in or managing a CAS program.

To reserve a space in one of the classes, please contact Ken Baker at (202) 586-4502. Or, if you would like a more detailed description of the course content, please contact Dennis McDermitt at (301) 903-0987.



Do you think Dennis really knows what he is talking about?

Final Comments

Terry Christie

We had a very good and productive meeting in Oak Ridge this October. All attendees were given a short tour of our facility and some of its buildings. We had a good representation of several sites and the weather and food was wonderful. Our next Network meeting is scheduled for March 19-21 in Las Vegas. I haven't heard about a site for the meeting yet but I am sure it won't be a problem. I will get all of the pertinent information out to everyone as soon as it becomes available.

The November conference call was cancelled due to scheduling conflicts but the next one will be December 12 at 11:00 EST. I will send the phone number out beforehand.

That's really all I have to say right now. I hope everyone is preparing for a happy and safe holiday season. Try not to eat too much turkey!!

Martha won't be coming!

Dear Friends and Family,

Martha Stewart will not be dining with us this Thanksgiving. I'm telling you in advance, so don't act surprised. Since Ms. Stewart won't be coming, I've made a few small changes:

Our sidewalk will not be lined with homemade, paper bag luminaries. After a trial run, it was decided that no matter how cleverly done, rows of flaming lunch sacks do not have the desired welcoming effect.

Once inside, our guests will note that the entry hall is not decorated with the swags of Indian corn and fall foliage I had planned to make. Instead, I've gotten the kids involved in the decorating by having them track in colorful autumn leaves from the front yard. The mud was their idea.

The dining table will not be covered with expensive linens, fancy china, or crystal goblets. If possible, we will use dishes that match and everyone will get a fork. Since this is thanksgiving, we will refrain from using the plastic Peter Rabbit plate and the Santa napkins from last Christmas.

Our centerpiece will not be the tower of fresh fruit and flowers that I promised. Instead we will be displaying a hedgehog-like decoration hand-crafted from the finest construction paper. The artist assures me it is a turkey.

We will be dining fashionably late. The children will entertain you while you wait. I'm sure they will be happy to share every choice comment I have made regarding Thanksgiving, pilgrims, and the turkey hotline. Please remember that most of these comments were made at 5:00 a.m. upon discovering that the turkey was still hard enough to cut diamonds.

As accompaniment to the children's recital, I will play a recording of tribal drumming. If the children should mention that I don't own a recording of tribal drumming, or that tribal drumming sounds suspiciously like a frozen turkey in a clothes dryer, ignore them. They are lying.

We toyed with the idea of ringing a dainty silver bell to announce the start of our feast. In the end, we chose to keep our traditional method. We've also decided against a formal seating arrangement. When the smoke alarm sounds, please gather around the table and sit where you like.

In the spirit of harmony, we will ask the children to sit at a separate table. In a separate room. Next door.

Now, I know you have all seen pictures of one person carving a turkey in front of a crowd of appreciative onlookers. This will not be happening at our dinner. For

safety reasons, the turkey will be carved in a private ceremony. I stress "private" meaning: Do not, under any circumstances, enter the kitchen to laugh at me. Do not send small, unsuspecting children to check on my progress. I have an electric knife. The turkey is unarmed. It stands to reason that I will eventually win. When I do, we will eat.

I would like to take this opportunity to remind my young diners that "passing the rolls" is not a football play. Nor is it a request to bean your brother in the head with warm tasty bread. Oh, and one reminder for the adults: For the duration of the meal, and especially while in the presence of young diners, we will refer to the giblet gravy by its lesser-known name: Cheese Sauce. If a young diner questions you regarding the origins or type of Cheese Sauce, plead ignorance.

Before I forget, there is one last change. Instead of offering a choice between 12 different scrumptious desserts, we will be serving the traditional pumpkin pie, garnished with whipped cream and small fingerprints. You will still have a choice: take it or leave it.

*Sincerely,
Me*

