

NETWORK NOISE

Volume 7, Issue 1

Terry Christie, Editor

February 2002

CAS Inspections at Brookhaven

Mike Paquette, Facility Inspector

The Condition Assessment Program at Brookhaven is progressing along very well. Upper Management has committed to completing our first full cycle of all buildings at BNL by the end of this year. We will be using an outside engineering firm to help augment this effort. In addition, we hired a new inspector from our ranks, which started at the 24th of January.

BNL is in the process of hiring an outside contractor to survey and inspect a majority of our built-up roofs. The last time we had a good quality survey of our roofs was in 1989.

East Tennessee Technology Park

Jane Nations, CAIS Technical Coordinator



David Thurmond, Don Johnson, Ronnie Suddarth,
Anna Bradshaw

Our focus at ETTTP continues to divert from the standard CAIS inspection. Although we continue to provide CAS inspections for the deferred maintenance effort, our primary effort is to identify environmental, safety and health, RADCON, security and integrity issues associated with shutdown facilities. Our new inspection team arrived on site on

December 10. Anna Bradshaw is the new CAIS Administrator, Ronnie Suddarth is the

Mechanical Inspector, Don Johnson is the architectural inspector and David (Dee) Thurmond is the electrical inspector. All four of them came to us from the BNFL project at ETTTP, and Ronnie and David once served as CAS inspectors at Y-12 in the early years. So far, they have inspected 26 facilities, and are doing a great job.

Y-12 National Security Complex

Jane Nations, CAIS Administrator

The Facility Condition Assessment Program became a reality at Y-12 in September, 2001, with the implementation of a CAS Program Manager (Reggie Davis), CAIS Administrator (Jane Nations), and Architectural (Greg Suddarth), Mechanical (Charlie Sexton) and Electrical (Ken Miller) inspectors. A total of 5.3 million square feet of floor space has been identified for the inspection team to survey. [To satisfy the periodic inspection requirement in DOE O 430.1 LCAM and the](#) Deferred Maintenance annual reporting to DOE, we have committed to inspect production and support facilities in three years. Four months into the program, we are pleased to report that we are fully up and running and have completed over 1 million square feet to date.

Our current focus is to become [an integral](#) part of the programs at the Y-12 Complex. We are working to establish [close relations](#) with the [Y-12 Modernization and Maintenance programs](#), by providing [accurate facility condition information to assist in their fiscal budget/project](#) planning and resource utilization.

WIPP

David Black, WIPP

The WIPP CAS/CAMP crew is up beat and diligently working. A few things have changed this year such as the modification of our inspection schedule. In the past all of our facilities were inspected every year, and now there will be various facilities inspected once every two years. Our schedule remains full with a facility inspection every week, therefore we remain busy. The CAIS database is running error free and data is downloaded daily, therefore our system is current and up-to-date with the most recent CAS reports. The pictures below are examples of the systems that we inspect at the WIPP site.



Ed McGary is inside this fan inspecting for deficiencies.



Here is Ed in the Auxiliary Air Intake Shaft



This is an inspection of the Railroad tracks

CAIS INSPECTOR TRAINING

Ken Baker

This is a reminder that a CAIS Inspector Training session is scheduled for March 25th

and 28th at the Nevada Training Facility in Las Vegas. We currently have 5 seats available for anyone interested in being trained in CAIS data entry, reporting, and costing features. This is a great opportunity for new or prodigal users to join or return to the CAS family way of doing condition assessments. Unfortunately, the training room, which has excellent equipment, limits attendance to 8 inspectors. Selection will be on a first come first serving basis and also on site needs. The training room is on the first floor of the training facility adjacent to the badge office. This is the fourth inspection training session we have conducted since August 2001. This will probably be the last training class open to all sites. Future training classes will be at requesting site locations. A CAIS Inspection Training Agenda is included for your review. The training instructors are Chuck Siegfried of Parsons Brinckerhoff Inc, and Ken Rowe and Dennis McDermitt. Chuck uses "Army Special Forces" techniques to teach this course. In addition to the training you will be able to attend the CAIS Users Group meeting on the 26th and 27th and meet other inspectors and administrators to discuss common problems, solutions, view future CAIS enhancements and learn from the experiences of other sites. To reserve a training slot please call Dennis McDermitt at (301) 903-0987 or yours truly at (202) 586-4502.

CAIS Users Group Meeting

Ken Baker

We have prepared a draft agenda for this meeting that is included in the Network Noise. We hope this helps site administrators obtain justification and travel request approval. This important meeting is scheduled for the 26th and 27th of March. The meeting will take place at the Nevada Training Facility in Room C112, 1st floor, room name, Amargosae. We have planned some interesting talks dealing with new enhancements, new costing methods, proposed new RPV models, RL's unique inspection approach, demonstrations of CAIS systems at several sites, the Virginia Dept. of Transportation CAS inspection program, a discussion of suitability or functionality measurement by LBNL, and CAIS Web page development services. We

hope these discussions are interesting to everyone and add value and relevance to your CAS/CAIS programs.

CAIS Costing Status Update

Ken Rowe

I have mapped 1,225 items. There are 117 custom items that I have been unable to map to the RS Means costs. These items will be escalated.

I have successfully adjusted the unit conversion issues for:

- Squares to Square Feet
- C (100s) to Each
- Square Yards to Square Feet
- M. L. F. (1000's) to Linear Feet
- C. L. F. (100's) to Linear Feet

I am working with Means to adjust individual items for Tons to Square Yards, etc. The program for updating the costs is already in place. Once the conversion factors are agreed upon, we will test the costing update extensively.

Means will also provide costing for stainless steel ductwork.

I will be working on putting all of the new means costs into the database so that the new types will be correctly mapped to the existing components.

***The LCAM/CAS conference call is scheduled for tomorrow, Wednesday, February 13 at 11:00 EST. The phone number for this call is 202-287-1326.**

CAIS 2000 v2.0 Completed CAIS Enhancements for the Upcoming Release

Ken Rowe

- Created a Move/Copy IU Screen for moving and copying inspection units between assets.

- Force All Capital letters in all data entry fields.
- Allow the deficiencies to be printed. Added the Component, Type and Unit of Measure to the header of the deficiency list. Added a show all button to the deficiency screen so that all deficiency groups may be viewed and printed at the same time.
- Added Equipment ID to the Complete Survey Detail and Abbreviated Survey Summary Reports.
- Have the IU List remember its format.

Added the Inspector and the Discipline as selection criteria to reporting.

***At the end of this newsletter you will find the agenda for the LCAM/CAS Network Meeting to be held in Las Vegas, March 26, 27, 2002.**

Department FY 2001 Deferred Maintenance Estimate

Ken Baker, Technical Monitor

This table is the FY 2001 Deferred Maintenance Cost Estimate for the Department's Financial Statement. We have now broken the \$2 billion barrier. Individual sites amounts can be obtained from your FIMS Administrators from standard report numbers, 115 for buildings, 134 for trailers, and 157 for other structures and facilities. In four years the Department's Deferred Maintenance cost has increased from \$925,202,108 to \$2,202,622,957. This can be attributed to quality condition assessment programs and reporting and refined maintenance reporting guidance. Keep up the good work CAS/CAISers!

This table summarizes FIMS report #s 115, 134 & 157 data and breaks out the buildings and trailers deferred maintenance costs into active and excess categories. The table also includes the deferred maintenance cost from FY 2000, 1999 and 1998 for comparison purposes.

PSO	2001 DEFERRED MAINTENANCE (DM) ESTIMATE				HISTORIC DM				
	BUILDINGS (B)		TRAILERS (T)		OTHER STRUCTURES & FACILITIES (S)	TOTAL PSO DM (2001)	TOTAL PSO DM (2000)	TOTAL PSO DM (1999)	TOTAL PSO DM (1998)
	Active	Excess	Active	Excess					
Chilian Radioactive Waste	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Energy Efficiency	\$ 1,115,000	\$ 0	\$ 0	\$ 0	\$ 3,975,000	\$ 5,090,000	\$ 5,015,000	\$ 1,575,000	\$ 1,575,000
Environmental Management	\$ 287,839,757	\$ 95,787,185	\$ 8,053	\$ 0	\$ 79,074,773	\$ 462,689,768	\$ 290,402,192	\$ 291,030,891	\$ 251,777,439
Fossil Energy	\$ 478,960	\$ 0	\$ 2,891	\$ 0	\$ 201,718	\$ 683,567	\$ 747,012	\$ 1,249,221	\$ 735,250
Nat. Nuclear Security Admin.***	\$ 701,802,889	\$ 78,599,912	\$ 9,108,435	\$ 25,615	\$ 232,932,648	\$ 1,022,467,399	\$ 836,607,573	\$ 585,620,075	\$ 507,373,644
Naval Reactors	\$ 138,870	\$ 0	\$ 0	\$ 0	\$ 211,080	\$ 349,950	\$ 1,328,732	\$ 399,038	\$ 192,057
Nonproliferation	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Nuclear Energy*	\$ 1,863,333	\$ 0	\$ 0	\$ 0	\$ 3,861,210	\$ 5,724,543	\$ 26,771,701	\$ 26,414,728	\$ 29,043,654
Power Marketing Admin.**	\$ 133,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 133,000	\$ 0	\$ 0	\$ 0
Science	\$ 576,075,433	\$ 16,419,796	\$ 4,798,403	\$ 1,643,000	\$ 106,548,108	\$ 705,484,730	\$ 299,545,780	\$ 229,784,013	\$ 134,505,064
TOTAL Active & Excess DM	\$ 1,569,447,242	\$ 190,786,783	\$ 13,915,782	\$ 1,868,615	\$ 426,804,535	\$ 2,202,622,957	\$ 1,460,417,990	\$ 1,136,072,956	\$ 925,202,108
TOTAL DOE DM	\$ 1,760,234,026		\$ 15,594,397		\$ 426,804,535	\$ 2,202,622,957	\$ 1,460,417,990	\$ 1,136,072,956	\$ 925,202,108

*Nuclear Energy reported no Deferred Maintenance data on 4 Buildings and 8 Trailers out of 220 assets.

**Power Marketing Administration (WAPA and SWPA) reported no Deferred Maintenance data on 19 Buildings out of 694 assets. Bonneville Power Admin. does not report data in FIMS.

***Nat. Nuclear Security Administration reported no Deferred Maintenance on 1 Building out of 4, 241 assets.

DEPARTMENT ASSET CLASS DATA:

Buildings:	Active: 8706	Acceptable: 6700	77%	Unacceptable: 2006	23%
	Excess: 1790	EM (1097), NNSA (568), NR (2), SC (123)			
	No Data: 24				
	Total: 10520				
Trailers:	Active: 1005	Acceptable: 711	71%	Unacceptable: 294	29%
	Excess: 48				
	No Data: 8				
	Total: 1081				
OSF Systems:	Total: 5786				

CAIS Users Group Meeting Day 1 (DRAFT)

March 26, 2002 - Tuesday
8:30 AM to 3:00 PM
Nevada Training Facility, Room C112, Amargosae Rm.
Las Vegas, NV

Type of meeting:

General Information and Exchange of Site Feedback on using the Condition Assessment Information System (CAIS) database

Attendees: Site CAIS Administrators and Inspectors, CAIS Support Contractors and HQ Technical Monitor.

Agenda

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|--|-------------------------------------|------|
| 1. Greetings, Introduction and Logistics | Terry Christie | 8:30 |
| 2. Site Introductions | | |
| 3. Site Round Robin.. Status of CAIS and Condition Assessment (CA) program | All Sites, HQ, DynCorp | |
| 4. Break | | |
| 5. FY 2002 Deferred Maintenance Reporting | Ken Baker | |
| 6. Demonstration of CAIS 2000, v 2.0 | Ken Rowe & Dennis McDermitt | |
| 7. LUNCH | | |
| 8. Discussion of CAIS Costing | Ken Rowe | |
| 9. Discussion of Hanford's CAS Program | Jeff Hayenga | |
| 10. New RPV Models | Ken Baker | |
| 11. Demonstration of ORNL or NTS CAS Web Site. | Terry Christie or Steele Coddington | |

Additional Information

Special notes: Cellular Phones and Beepers are to be turned off during the meeting in consideration of others.

CAIS Users Group Meeting Day 2 (DRAFT)

March 27, 2002 - Wednesday
8:30 AM to 3:30 PM
Nevada Training Facility, Room C112
Las Vegas, NV

Type of meeting:

General Information and Exchange of Site Feedback on using the Condition Assessment Information System (CAIS) database

Attendees: Site CAIS Administrators and Inspectors, CAIS Support Contractors and HQ Technical Monitor.

Agenda

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|--|---------------------------------------|---------|
| 1. House Keeping Business | Terry Christie | 8:30 AM |
| 2. Virginia Dept of Transportation CAS Program Discussion. | Chuck Siegfried, Parsons Brinckerhoff | Morning |
| 3. Suitability/Functionality Index Calculation | LBNL | |
| | BREAK | |
| 4. Suitability Reporting in CAIS | Ken Rowe & Ken Baker | |
| 5. Planned CAIS Enhancements.. Site Feedback | Rowe & McDermitt | |
| 6. LUNCH | | |
| 7. Enhancement Discussion Cont. | Rowe & McDermitt | |
| 8. CAS/CAIS Demo by LLNL | Paul Reynolds | |
| 12. Inspector Training Results, Status & Future | Dennis McDermitt | |
| 13. CAS Web Page Development Services | Rowe & McDermitt | |
| 14. Next Meeting Plans | Terry Christie | |

Additional Information

Special notes: Cellular Phones and Beepers are to be turned off during the meeting in consideration of others.