

MONTHLY PROGRESS REPORT  
NUCLEAR REGULATORY COMMISSION

Contract Number NRC-02-86-006

97 JAN -8 A9:55

DATE: 15 December 1986

TO: Distribution

FROM: Hernan Otano, NASM Program Manager

VIA: Birger Andersen, SAIC Program Manager

SUBJECT: Monthly Progress Report for Period 1 Nov.- 30 Nov. 1986

This report is submitted in accordance with paragraph F.1.1 of the subject contract.

I TECHNICAL

A. Technical Performance:

Task 1E, System Procurement and Installation - All major system hardware and software required to support the pilot project has been delivered and installed at the NRC/DWM DCC facilities. Functional tests of all system components have been completed.

Task 1F, System Tests - SAIC has received the latest interface software to the SONY optical WORM disk drive and controller and is in the process of conducting both functional and performance tests on these devices. While this device is not yet installed at the NRC, no impact on the pilot demonstration process is anticipated. SAIC and NASM has available a fully tested and operational ISI optical WORM drive that can be made available for immediate demonstration purposes.

8701230054 861215  
PDR WMRES EUSSMIT  
D-1046 PDR

WM-RES  
WM Record File  
D1046  
SI

WM Project 10, 11, 16  
Docket No. \_\_\_\_\_  
PDR ✓  
LPDR ✓ (B, N, S)

Distribution:  
Page 1 ABender  
Patterson Joanne - ticket  
(Return to WM, 623-SS) SAC

3573

## B. Key Milestones Achieved:

The key milestone achieved during this reporting period was the delivery, setup, and functional checkout of all major system components at the NRC/DWM facilities.

## C. Meetings and Field Trips:

1. A presentation and demonstration of the pilot project status was made to Mr. Joseph Bunting, NRC/DWM Branch Head. The presentation outlined a three phased approach to full integration of the pilot project scanning and optical storage system. A demonstration of the current system capabilities was provided including image conversion of scanned documents to ASCII text files along with the downloading capabilities of NRV/DWM 5520 wordprocessed document files into the the pilot system and insertion into the PC based full-text search database.

2. A project status meeting was held on 24 November. The primary purpose of the discussion of pending and proposed technical issues. These included:

- \* Menuing and document software development
- \* Conversion of LaserData image file format by the Palantir CDP
  
- \* Smart interface to Sony optical disk subsystem.
- \* Database architecture decision
- \* Sophisticated user interface using Microsoft Windows or a "Windows" like menu environment.
- \* Development of an Ethernet interface to the pilot project system
- \* Development of a "standard" NRC user workstation
- \* Integration of a Local Area Network (LAN) into the operational NRC system

An outline and functional specification for an operational system configuration was also presented and discussed.

3. The NASM Program Manager Mr. Hernan Llano attended the COMDEX computer show in Las Vegas, NV. held in the later part of November. A report of his findings and impressions will be prepared under separate cover.

## II. COST EXPENDITURES

The most current list of hardware costs and delivery schedule is shown in Attachment A. This list can now be considered 100% with the exception of Item #14 "Additional Equipment". To date only one piece of equipment has been ordered under Item #14. This has been the SONY CD-ROM subsystem and PC Interface. The estimated cost of this piece of hardware is \$900.00. Overall cost expenditures for the reporting period are shown in Attachment B. The labor expenditures include SAIC overhead, fringe and G&A charges against direct labor. Hardware/software cost expenditures include items that were delivered during the reporting period along with a cumulative list of all hardware/software received to date. ODC's and SAIC fee has been added to reflect total cost to the NRC.

## III. PERSONNEL ASSIGNED

Personnel assigned to the project during the reporting period are shown in Attachment B. Included are both time and cost expenditures for each SAIC staff member assigned to the project.

## IV. PROJECTIONS OF COSTS

Projections of costs by month to completion of the tasks contained in the current statement of work and work breakdown structure (WBS) for the period 1 July 1986 thru 31 January 1987 is presented graphically in Attachment C.