

NOV 15 1993

MEMORANDUM FOR: Malcolm R. Knapp, Director
Program Management, Policy Development,
and Analysis Staff
Office of Nuclear Material Safety
and Safeguards

THRU: B. Joe Youngblood, Director
Division of High-Level Waste Management
Office of Nuclear Material Safety
and Safeguards

FROM: Donald L. Chery, Jr., DHLWM ADP Coordinator
Division of High-Level Waste Management
Office of Nuclear Material Safety
and Safeguards

SUBJECT: FY94 COMPUTER HARDWARE AND SOFTWARE NEEDS FOR THE DIVISION OF
HIGH-LEVEL WASTE MANAGEMENT

BACKGROUND:

As was requested by PMDA, I have compiled the following list of software and hardware needs for FY94. This list represents software and hardware required by HLWM staff and identified through an E-Mail survey during the week of October 25, 1993. All the requests have been reviewed by the Section Leaders and the appropriate Branch Chiefs.

A major issue that needs to be resolved immediately with IRM is the extent to which they will accommodate and support network versions of database, spreadsheet, project management, and graphics programs on the AUTOS network. This issue needs to be resolved so that the specific software acquisitions can be planned for the Division.

HARDWARE:

Notebook PC/math coprocessor (Carry over from 1992 year end funding)

PC overhead projector

Six (6) Agency standard 486 PCs for HLPD (2 of these computers are covered by carry over funding from the understanding and commitment of PMDA to purchase these PCs with unexpended (\$4000) FY92 year end monies allocated to the DHLWM). These computers are needed for access to the PASS/PADB and OITS data bases, for loading and maintaining the open items in OITS, and for FY94 work on LARP and FCRG.

One (1) Agency standard 486 PC for Las Vegas office to replace existing computer that has become totally nonfunctional and that IRM judges is not worth repairing

012070089 031115
PDR WASTE PDR
WM-1

426-5
WM-1
MPL

Printer cables for Las Vegas office laser printer

Hardware, software, and arrangements to connect Las Vegas office to the AUTOS network

For the following six PCs. (Carry over of request initially made 6/4/93)

6 Mice

386 Sigma #039712 (5A20) [D'Souza]

386 Sigma #039708 (4H3) [Lynn]

386 Sigma #037412 (4H9) [Garland]

386 Sigma #039713 (5H3) [Jensen]

386 Sigma #039710 (4H21) [Carlson] currently has Windows software sitting on his shelf

386 AST #037437 (4G24) [Higgs]

(Also see software for the accompanying Windows software)

3.5" disk drive for four 386/20 Compaq PCs. (Form 530 prepared 11/12/93)

#026330 (5H9) [Byrne]

#026333 (5G10) [Coleman]

#026332 (4G10) [Jagannath]

#026408 (4H10) [McConnell]

Three and a half inch drives have greater storage capacity, are needed for transferring data to the Sun stations which have only 3.5" drives, and to readily accept software upgrades which are being delivered by IRM on 3.5" disks.

Extensions on the keyboard pads for mouse pads and mouse pads so that the mice can be used at the same level as the keyboard.

SOFTWARE:

Computer Aided Design Software (Network Version)

Anticipated need for computer-aided design software \$6300

Specific product needs under evaluation by engineers

Database software [Consider network version of database software for access by all on the network.]

DBase III

A major need is for searching the hydrology database and thus should be compatible with the hydrology database on the AUTOS network

Access for Windows v1.x

Desqview 2.3. The recent upgrade to the Fortran compiler (F77L, version 5.10 may require a Desqview upgrade to 2.3) in order to use Desqview with the compiler

Fortran (F77L) compiler

(Ibrahim, Form 530 prepared)

[Should be able to use the Fortran on the Advanced Computer Review System servers.]

"GRAMMATIK 5"

Graphics Software (Network version)

Harvard Graphics - v3.0 LAN pack and manuals (10 user)

"HP QUEST" - This program allows search logic, display, store on disk, and printing for papers from all issues of the Health Physics Journal from 1958 to the present. This program is expected to expedite literature searches for parameters in IPA Phase 3, for information on radiological safety that will be used in CDMs for HLGE, and for support of the studies submitted to the NAS in regard to 40 CFR 191. Robert B. Neel (RBH)

MicroShield 4.x, (photon/gamma ray shielding and dose assessment program)
Price: approx. \$900.00

Project Management Software (Network version - 5 user)

MS Project for Windows

Section Leaders plus project managers, 10 at \$445 each

NETPATH by the USGS (a geochemistry code, cost \$40.75, Bradbury)

Plotting software (Network version)

TEKPLOT, Spyglass

Island Draw/Paint, Corel Draw, PV Wave Point and Click, and gnuplot

An evaluation needs to be made and a selection made of the most desirable plotting software

Spread Sheet Software (Network version)

Quattro Pro (Windows/Workgroup version).

EXCEL

Lotus 123

WINDOWS 3.1 (6 copies, Form 530 request prepared 5/26/93)

386 Sigma #039712 (5A20) [O'Souza]

386 Sigma #039708 (4H3) [Lynn]

386 Sigma #037412 (4H9) [Garland]

386 Sigma #039713 (5H3) [Jensen]

386 Sigma #039710 (4H21) [Carlson] currently has Windows software sitting on his shelf

386 AST #037437 (4G24) [Higgs]

WordPerfect for WINDOWS (Network Version, 20 user license)

Un-anticipated upgrades and software acquisitions - \$5,000

Handwritten mark

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