



# CDHS USERS BULLETIN

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Number 1

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## INTRODUCTION

### Assistance Contacts

You can write or call for assistance, obtain answers to questions, and offer suggestions about CDHS and the Bulletin by contacting the following personnel:

Sam Colon-Velez, Project Officer  
National Air Data Branch (MD-14)  
Monitoring and Data Analysis Division  
Office of Air Quality Planning  
and Standards  
Office of Air, Noise, and Radiation  
Environmental Protection Agency  
Research Triangle Park, N.C. 27711  
Phone: (919) - 541-5547  
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Office of Air Quality Planning  
and Standards  
Office of Air, Noise, and Radiation  
Environmental Protection Agency  
Research Triangle Park, N.C. 27711  
Phone: (919) - 541-5547  
(FTS) - 629-5547

## Problem Reporting

If you are having any problems, please do not hesitate to call or write. We again ask you, when reporting a problem, to complete and send to us a Problem Reporting Form to insure that we understand the exact nature of your problem. This form has been modified to a one-page form so that it will be easier and less time-consuming to complete.

Prior to reporting your problem, you should have incorporated all updates into the appropriate programs of your particular subsystem. It is essential that you incorporate these updates as supplied so that we will be looking at the same version of the programs in question. These updates must be incorporated sequentially. If you have not incorporated the updates and are experiencing problems, there is a good possibility that the problems have already been solved by a previous update.

CDHS PROBLEM REPORTING FORM

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

Agency: \_\_\_\_\_

Subsystem Involved: AQDHS-II \_\_\_\_\_

Address: \_\_\_\_\_

EIS/AS \_\_\_\_\_

\_\_\_\_\_

EIS/PS \_\_\_\_\_

\_\_\_\_\_

Program(s) Involved: \_\_\_\_\_

\_\_\_\_\_

Is your system the NADB baseline version? \_\_\_\_\_

If not, indicate the differences: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What is the latest update version you have installed? \_\_\_\_\_

Results desired: \_\_\_\_\_

\_\_\_\_\_

Results obtained: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Please send the following items with your problem reporting form: Sent

1. A compile (with appropriate maps) of the problem program \_\_\_\_\_
2. JCL listing for the job \_\_\_\_\_
3. System log listing for the job \_\_\_\_\_
4. A listing of all procedure JCL and control cards for job \_\_\_\_\_
5. All diagnostic messages from the faulty run \_\_\_\_\_
6. Printout of faulty program results \_\_\_\_\_
7. Copy of input and output files (OPTIONAL) \_\_\_\_\_

SUMMARY OF ALL PROBLEMS SOLVED FROM  
 DECEMBER 30, 1975 THRU DECEMBER 31, 1983  
 UNDER CDHS USER SUPPORT

	# REPORTED	#RESOLVED
<hr/>		
AQDHS-II		
Low Priority	17	17
Medium Priority	65	65
High Priority	<u>1797</u>	<u>1797</u>
Total	1879	1879
<hr/>		
EIS		
Low Priority	29	29
Medium Priority	99	99
High Priority	<u>1885</u>	<u>1885</u>
Total	2013	2013
<hr/>		

CDHS USER LISTING

	User Hardware	AQDHS-II	Update Status	EIS	Update Status
<u>Region I</u>					
CONN	IBM-370/168	Installed	29		
MAINE	HONEYWELL-52D	Installed	29	Installed	A-2, P-2
MASS	CDC CYBER 7700	Installed	23-A	Installed	28
NH	CPT-1000	Installed	NCC-IBM		
RI	IBM-43/41	Installed	29		
<u>Region II</u>					
NY CITY	IBM-370	Installed	29		
PUERTO RICO	HONEYWELL-6000	Installed	29	Installed	A-2, P-2
<u>Region III</u>					
DEL	IBM-3033			Installed	A-2, P-2
MD	IBM-3081	Installed	29		
VA	IBM-3033	Installed	29	Installed	A-2, P-2
FAIRFAX CO., VA	IBM-370/155.2	Installed	28		
W. VA	PDP-11/34	Installed	NCC-IBM	Installed	NCC-IBM
<u>Region IV</u>					
ALA	WANG-2260	Installed	NCC-IBM		
FLA	UNIVAC-1100/82	Installed	29		
JACKSONVILLE, FLA	BURROUGHS-7700	Installed	29		
GA	IBM-1100/34	Installed	NCC-IBM	Installed	NCC-IBM
MISS	AMDAHL-V8	Installed	NCC-IBM		
NC	IBM-370/168	Installed	NCC-IBM	Installed	NCC-IBM
SC	IBM-370/168	Installed	NCC-IBM	Installed	NCC-IBM
TENN	TEX. INST.- OMNI-800	Installed	NCC-IBM	Installed	NCC-IBM

CDHS USER LISTING

	User Hardware	AQDHS-II	Update Status	EIS	Update Status
<u>Region V</u>					
ILL	AMDAHL-V8	Installed	29		
CHICAGO, ILL	IBM			Planned	
IND	IBM-3081	Installed	29	Installed	A-2, P-2
MINN	CDC-CYBER-172	Installed	29	Installed	P-2
OHIO	IBM-370/3081G	Installed	29		
WISCONSIN	AMDAHL-V6	Planned	NCC-IBM		
<u>Region VI</u>					
LOUISIANA	IBM-370/331			Installed	A-2, P-2
NEW MEXICO	DATA GEN.-S140	Installed	29		
CITY OF ALBUQUERQUE	IBM-370	Installed	29	In Progress	
OKLAHOMA	DATA GEN.-NOVA/4	Installed	29	Installed	28
<u>Region VII</u>					
IOWA	IBM-370/3033	Installed	NCC-IBM		
MO	IBM-370/3031	Installed	29	Installed	P-2
KANSAS CITY	COMMODORE PET-2001	In Progress		Installed	P-1
NEBRASKA	IBM-3033N	Installed	29		
<u>Region VIII</u>					
COLO	IBM-3033	Installed	29	Installed	A-2, P-2
MONT	IBM-3033N	Installed	23	Installed	24
ND	IBM-43/41	Installed	NCC-IBM	Installed	NCC-IBM
WYOMING	IBM-370/3031	Installed	20		

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CDHS USER LISTING

	User Hardware	AQDHS-II	Update Status	EIS	Update Status
<u>Region IX</u>					
ARIZ	HONEYWELL-6600	Installed	29	Installed	28
NEVADA	HEWLETT PACKARD	Planned	NCC-IBM		
PIMA CO., ARIZ	IBM-370/145	Installed	25	Installed	27
SAN DIEGO CO., CALIF	IBM-370-158				
<u>Region X</u>					
No Installations					
<u>TOTALS</u>					
	Number Installed	35		21	
	Number in Progress or Planned	3		2	
		<u>38</u>		<u>23</u>	



OTHER GOVERNMENT AGENCY USERS

	<u>User Hardware</u>	<u>AQDHS-II</u>	<u>Update Status</u>	<u>EIS</u>	<u>Update Status</u>
U.S. Air Force		Planned		Installed	
U.S. Army	IBM-360/65	Planned			
U.S. Navy				Installed	

FOREIGN USERS

AQDHS-II

Australia  
Rio de Janeiro, Brazil  
South Korea  
India

EIS/P&R

Minas Gerais, Brazil  
Rio de Janeiro, Brazil  
Canada

CDHS CONTACTS

REGIONAL  
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CDHS

AQDHS-II

EIS/P&R

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CDHS CONTACTS

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OFFICE

CDHS

AQDHS-II

EIS/P&R

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Seattle, WA 98101  
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(206) 442-1702

## PROGRAM ABSTRACT

If you have a program that you think might be of interest to other users, please send us an abstract of the program for publication in the Users Bulletin. THE USER IS REMINDED THAT HE, AND NOT NADB OR THE NADB CONTRACTOR, IS RESPONSIBLE FOR THE MAINTENANCE OF THESE PROGRAMS.

A copy of the program abstract form is included in this issue of the Bulletin. Complete the form and return it to Sam Colon-Velez or Gary H. Wilder if you have such a program.

If you have any other information which you desire to share with other State and local agencies, submit a typewritten summary along with the appropriate name, address and phone number of the contact in your agency. Such summaries will be published in the CDHS Users Bulletin.

PROGRAM ABSTRACT

PROGRAMMER: \_\_\_\_\_ ADDRESS: \_\_\_\_\_

AGENCY: \_\_\_\_\_ TELEPHONE: \_\_\_\_\_

COMPUTER: \_\_\_\_\_

PROGRAM TITLE:

FUNCTION:

PARAMETERS:

RESULTS (INCLUDE OUTPUT EXAMPLE):

HARDWARE CONFIGURATION:

MEMORY REQUIRED:

SOFTWARE SUPPORT:

ASSEMBLER/COMPILER:

DOCUMENTATION AVAILABILITY:

## IMPORTANT NOTICES

### NOTICE 1 - CORRECTION TO FEDERAL EMISSION FACTORS

A problem was discovered with the MEDS-to-EIS/PS emission factor conversion program PCVNEEF (EPO030) which causes the sulfur flag on particulate emission factors (pollutant 11101) for residual oil combustion to be set incorrectly. The program places an 'S' in the ash flag field when it should place an 'S' in the sulfur flag field on the prepared transactions. The problem involves emission factors for the following SCCs:

10100401	10100404	
10200401	10200402	10200403
10300401	10300401	10300403
30600101	30600103	

The emission factor file at NCC, which resides in the data set named 'LMHA087.CDHS.USER.EPFACTR', has been corrected already. Users that maintain their own copy of the emission factor table should prepare change transactions for the above SCCs that will change the sulfur flag field to 'S' in their copy of the emission factor table, using the current date for the transaction date. All users should perform an emission factor update to replace the affected emission factors in their master file. Users of 'LMHA087.CDHS.USER.EPFACTR' should use an option date of 83298 for program PMSEFGN (EPO130), while other users should set the option date equal to the date coded on the change transaction that were prepared.

Users of "LMHA087.CDHS.USER.EPFACTR" please note that transactions will not be generated by PMSEFGN (EPO130) for sources that have a segment 2 date greater than 83298. For these sources error message 'PMSEFGN 005' will be generated and transactions will have to be coded manually.

Changes to program PCVNEEF (EPO020) will be issued with EIS/PS Update P-4, which is scheduled for release in March.

### NOTICE 2 - CDHS PROCLIB UPDATED AT NCC

As reported in the September edition of the CDHS Users Bulletin, the cataloged procedures used for executing CDHS programs at NCC have been established in a library that is separate from the system procedure library. The procedures have been updated to reflect the recent change in data set naming conventions, to provide a model data set control block (DSCB) for generation data sets, to increase the Region specification on sort programs, and to delete the volume specification for output data sets (NCC assigns volumes automatically).

To use this version of the CDHS PROCLIB at NCC, include the following statement after your job card:

```
//PROCLIB DD DSN-LMHA087.CDHS.USER.PROCLIB,DISP-SHR
```

### NOTICE 3 - AEROMETRIC INFORMATION RETRIEVAL SYSTEM (AIRS)

The project to develop AIRS, the new air data system, is such a large effort that it has been divided into three segments. These segments are:

1. The Geographical/Common segment which provides geographical and common codes along with system support data.
2. The Air Quality segment which provides for the storage and retrieval of the air monitoring data currently stored in SAROAD.
3. The Source Data segment which provides for the storage and retrieval of the facility, emissions and compliance data currently stored in NEDS and CDS.

The current status of AIRS is as follows:

Segment 1 (Geog/Common) - The software for correcting the data from AEROS has been developed and the system design for the AIRS software has been specified. This effort is scheduled to be completed by in-house EPA personnel during the next two fiscal years.

Segment 2 (Air Quality) - The new general programming contractor, CSC, is currently staffing up to perform the development work for this segment. Due to inadequate funding, this segment is not expected to be completed until the end of FY'85.'

Segment 3 (Source Data) - This segment is the last segment to be developed. A task force is currently reviewing the requirements for integrating NEDS and CDS into AIRS. Therefore, the source data segment will probably not be completed for 3-4 years.

See your September 1983 CDHS Users Bulletin for a brief description of the AIRS design features.

If you have any questions or would like additional information, please contact Andrea Kelsey at (FTS) 629-5582 or (919) 541-5582.

## UPDATES

### Resume of Updates

There have been no updates to AQDHS-II, EIS/PS or EIS/AS since the last Bulletin.



UPDATES

Program Status

The update status of the programs in the AQDHS-II, the EIS/PS, and the EIS/AS systems is listed below.

<u>AQDHS-II Program Name</u>	<u>Last Update #*</u>	<u>Revision Level #</u>	<u>Date</u>
ACVANOM (AQ0040)	27	2-00	10/01/80
ACVMFOR (AQ0020)	24	1-00	10/31/78
ACVPFOR (AQ0030)	24	1-00	10/31/78
ACVSARD (AQ0010)	28	2-00	05/01/81
ACVUNIT (AQ0050)	27	2-00	10/01/80
AEDMSTR (AQ0060)	29	4-00	10/31/81
AEMPARM (AQ0070)	24	1-00	10/31/78
AEMSITE (AQ0080)	29	4-00	10/31/81
AEMSTND (AQ0090)	27	2-00	10/01/80
AFFMSTR (AQ0100)	28	3-00	05/01/81
AMSARCH (AQ0215)	24	1-00	10/31/78
AMSMERG (AQ0210)	24	1-00	10/31/78
ARPANOM (AQ0320)	24	1-00	10/31/78
ARPDUMP (AQ0310)	24	1-00	10/31/78
ARPINVP (AQ0290)	28	3-00	05/01/81
ARPINVS (AQ0280)	28	3-00	05/01/81
ARPMSBR (AQ0300)	27	2-00	10/01/80
ARPMSST (AQ0270)	29	4-00	10/31/81
ARPMSTR (AQ0230)	29	4-00	10/31/81
ARPPARM (AQ0240)	29	2-00	10/31/81
ARPPMEX (AQ0330)	24	1-00	10/31/81
ARPSARD (AQ0220)	28	3-00	05/01/81
ARPSITE (AQ0260)	28	3-00	05/01/81
ARPSLAM (AQ0390)	29	2-00	10/31/81
ARPSMEX (AQ0340)	28	3-00	05/01/81
ARPSTDS (AQ0420)	29	1-00	10/31/81
ARPSTND (AQ0250)	27	2-00	10/01/80
ARPVSTD (AQ0350)	28	2-00	05/01/81
ARTGENR (AQ0120)	24	1-00	10/31/78
ARTLNGP (AQ0110)	24	1-00	10/31/78
ARTSLAM (AQ0375)	29	2-00	10/31/81
ARTSTDS (AQ0400)	29	1-00	10/31/81
ASRINTR (AQ0130)	24	1-00	10/31/78
ASRMSTR (AQ0140)	24	1-00	10/31/78
ASRPARM (AQ0150)	24	1-00	10/31/78
ASRSITE (AQ0160)	27	2-00	10/01/80
ASRSTFL (AQ0360)	28	2-00	05/01/81
ASRSTND (AQ0170)	27	2-00	10/01/80

\*AQDHS-II Update #25 did not modify any programs

UPDATES

Program Status (continued)

<u>AQDHS-II Program Name</u>	<u>Last Update #*</u>	<u>Revision Level #</u>	<u>Date</u>
ASRTRAN (AQ0370)	27	1-00	10/01/80
ASTMSST (AQ0200)	27	2-00	10/01/80
ASTSLAM (AQ0380)	29	2-00	10/31/81
ASTSTDS (AQ0410)	29	1-00	10/31/81
ASRORLM (AQ0190)	27	2-00	10/01/80
ASTSLAV (AQ0180)	27	2-00	10/01/80

EIS/PS Program Name

PCENETR (EPO060)	P-3	3-00	06/20/83
PCVNEEF (EPO020)	P-3	3-00	06/20/83
PEDMSTR (EPO080)	P-3	3-00	06/20/83
PEMEFAC (EPO040)	P-1	1-00	02/01/80
PFMMSTR (EPO120)	P-2	2-00	04/30/81
PMSEFIN (EPO100)	P-3	3-00	06/20/83
PMSEFGN (EPO130)	P-3	3-00	06/20/83
PMSTCON (EPO190)	P-1	1-00	02/01/80
PRPDUMP (EPO220)	P-1	1-00	02/01/80
PRPEFAC (EPO230)	P-1	1-00	02/01/80
PRPENTR (EPO200)	P-3	3-00	06/20/83
PRPEPRJ (EPO250)	P-1	1-00	02/01/80
PRPMSTR (EPO210)	P-3	3-00	06/20/83
PRPPSUM (EPO240)	P-2	1-00	04/30/81
PRPQUIK (EPO280)	P-1	1-00	02/01/80
PRPOTRN (EPO290)	P-1	1-00	02/01/80
PRTGENR (EPO150)	P-1	1-00	02/01/80
PRTLNGP (EPO140)	P-1	1-00	02/01/80
PRTOLED (EPO260)	P-1	1-00	02/01/80
PRTOLEX (EPO270)	P-2	2-00	04/30/81
PSREFTR (EPO030)	P-1	1-00	02/01/80
PSREFIN (EPO090)	P-1	1-00	02/01/80
PSRGENR (EPO170)	P-1	1-00	02/01/80
PSRINTR (EPO110)	P-1	1-00	02/01/80
PSRLNGP (EPO160)	P-1	1-00	02/01/80
PSRMFTR (EPO070)	P-1	1-00	02/01/80
PSRNEEF (EPO010)	P-1	1-00	02/01/80
PSRNETR (EPO050)	P-1	1-00	02/01/80

\*AQDHS-II Update #25 did not modify any programs

UPDATES

Program Status (continued)

<u>EIS/AS Program Name</u>	<u>Last Update #*</u>	<u>Revision Level #</u>	<u>Date</u>
CCENETR (EC0030)	A-3	3-00	07/14/83
CEDMSTR (EC0040)	A-1	1-00	02/01/80
CEMEFAC (EC0020)	A-1	1-00	02/01/80
CFMMSTR (EC0070)	A-2	2-00	04/30/81
CMSEFGN (EC0080)	A-3	3-00	07/14/83
CMSEFIN (EC0060)	A-3	3-00	07/14/83
CRPASNA (EC0120)	A-3	3-00	07/14/83
CRPDUMP (EC0140)	A-1	1-00	02/01/80
CRPEFAC (EC0150)	A-1	1-00	02/01/80
CRPMSTR (EC0130)	A-3	3-00	07/14/83
CRPQUIK (EC0180)	A-1	1-00	02/01/80
CRTGENR (EC0100)	A-1	1-00	02/01/80
CRTLNGP (EC0090)	A-1	1-00	02/01/80
CRTQLED (EC0160)	A-3	3-00	07/14/83
CRTOLEX (EC0170)	A-2	2-00	04/30/81
CSREFTR (EC0010)	A-1	1-00	02/01/80
CSRINTR (EC0050)	A-1	1-00	02/01/80
CSRMRSTR (EC0110)	A-1	1-00	02/01/80

Future Bulletin Distribution

In our effort to keep the Bulletin mailing list current, we ask that you notify us if you are no longer interested in receiving it or if you know of anyone in your agency to add to the list, please fill in the form below.

DELETE

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ADD

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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