

PROGRAM OF THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH

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Program Plan by Program Areas for FY 1981

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Centers for Disease Control
National Institute for Occupational Safety and Health

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PREFACE

The current responsibilities of the National Institute for Occupational Safety and Health were established primarily by the Public Health Service Act, the Occupational Safety and Health Act of 1970, and the Federal Mine Safety and Health Act of 1977. A major NIOSH responsibility under these Acts is to conduct research necessary to ensure, insofar as possible, that no worker will suffer diminished health, reduced functional capacity, or decreased life expectancy as a result of his or her work experience.

This document outlines NIOSH's Program Plan for inhouse and extramural projects for FY 1981--October 1, 1980 through September 30, 1981. This plan will serve as a tool for ongoing internal planning and control by the Institute management. To ensure that NIOSH responds appropriately and promptly to emerging problems, we will make any necessary modifications in individual projects.

This Program Plan reflects a shift in emphasis of the Institute's activities. We will continue to emphasize health hazard evaluations, investigations of reproductive effects, and control technology assessments. In addition, this year we will emphasize surveillance studies and personal protective equipment research and certification. Important steps already taken include focusing new resources on these activities and shifting staff to field study activities from technical support activities that can be performed better under contract. In the long run the Institute is committed to maintaining a core of scientific expertise in occupational safety and health and to improving the dissemination of information to occupational safety and health professionals.

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KEYS TO CODING

Programs (PROG) - Column 96

IDENTIFICATION OF OCCUPATIONAL SAFETY AND HEALTH PROBLEMS
a -- surveillance
f -- health hazard evaluations

EVALUATION OF OCCUPATIONAL SAFETY AND HEALTH PROBLEMS
b -- epidemiology
c -- toxicology
e -- clinical studies
t -- research and demonstration grants

CONTROL OF OCCUPATIONAL SAFETY AND HEALTH PROBLEMS
g -- control technology
h -- monitoring equipment development
i -- analytical methods development
j -- medical surveillance and services
k -- ergonomics and job design
m -- personal protective equipment research and certification

DISSEMINATION OF OCCUPATIONAL SAFETY AND HEALTH
FINDINGS AND RECOMMENDATIONS
n -- criteria documentation and standards development
p -- information and publications
q -- curriculum development
r -- direct training
s -- educational resource centers

u - TECHNICAL SUPPORT TO OCCUPATIONAL SAFETY AND HEALTH PROGRAMS
v - ADMINISTRATION OF INSTITUTE PROGRAMS

Operation Mechanism (MECH) -- Column 98

a - Contract Only
b - Contract and Inhouse
c - Inhouse Only
d - Interagency Agreement
e - Grant
f - Cooperative Agreement
g - Other Combinations

Source of Funding (FUND) -- Column 100

a - Base Program
b - Coal Mining
c - Environmental Protection Agency
d - Metal and Nonmetal Mining
e - National Cancer Institute
f - National Occupational Hazards Study
g - Smoking
y - Other

Offices/Divisions and Branches -- Columns 119 and 120

- A - Division of Biomedical and Behavioral Science
 - a - Applied Psychology and Ergonomics
 - c - Experimental Toxicology
 - d - Technical Support
 - e - Physical Agents Effects
- B - Division of Physical Sciences and Engineering
 - a - Engineering Control Technology
 - b - Measurements Research Support
 - c - Methods Research
 - d - Monitoring and Control Research
- C - Division of Respiratory Disease Studies
 - a - Epidemiological Investigations
 - b - Environmental Investigations
 - c - Clinical Investigations
 - d - Laboratory Investigations
 - e - Examination Processing
- D - Division of Surveillance, Hazard Evaluations, and Field Studies
 - a - Hazard Evaluations and Technical Assistance
 - b - Industrywide Studies
 - c - Surveillance
 - d - Support Services
- E - Division of Safety Research
 - a - Safety Surveillance
 - b - Accident and Injury Epidemiology
 - c - Standards and Consultation
 - d - Testing and Certification
- F - Office of Extramural Coordination and Special Projects
 - a - Grants Administration and Review
 - b - Regional Operations
- G - Division of Criteria Documentation and Standards Development
 - a - Criteria Development
 - b - Mine Health Standards
 - c - Priorities and Research Analysis
 - d - Technical Evaluation and Review
- H - Division of Training and Manpower Development
 - a - Direct Training
 - b - Curriculum Development
 - c - Educational Resource Development
- I - Division of Technical Services
 - a - Statistical Services
 - c - Clearinghouse for Occupational Safety and Health Information
- J - Office of Administrative and Management Services
 - a - Administrative Services
 - b - Financial Management
 - c - Management Systems
 - d - Procurement and Grants Management
- K - Office of the Director
- L - Office of Program Planning and Evaluation
 - a - Planning and Program Development
 - b - Evaluation and Control
 - c - Policy Analysis

Research Areas

(Primary, Col. 121; secondary, Col. 122; tertiary, Col. 123)

N - NIOSH Planning Group in the Department of Labor

DISEASE SPECIFIC STUDIES:

- A - Behavioral and Neurotoxic Effects
- B - Cancer
- C - Reproductive Effects
- D - Respiratory Disease
- E - Musculoskeletal and Connective Tissue Disorders
- F - Cutaneous Disease
- G - Sensory Disorders
- H - Cardiovascular Disease
- I - Infective and Parasitic Disorders
- X - Other

INDUSTRY/EXPOSURE SPECIFIC STUDIES:

- a - Radiation
- b - Safety
- c - Smoking
- d - Biohazards
- e - Pesticides
- f - Heat, Noise, Vibrations, and Pressure
- g - Fibers
- h - Solvents
- i - Energy
- j - Petroleum
- k - Rubber/Plastics
- m - Machinery
- n - Agriculture
- p - Mining
- q - Construction
- r - Textiles
- s - Lumber and Wood Products
- t - Chemicals
- u - Stone, Clay, and Glass Products
- v - Primary Metals
- y - Other

NIOSH
 Fiscal Year 1981
 Summary of Resources by Program Area
 (funds are in thousands of dollars)

	<u>Person Years</u>	<u>Non-Personnel Funds</u>	<u>Total Funds</u>
Identification of Occupational Safety and Health Problems	221.5	7061.0	12112.0
Evaluation of Occupational Safety and Health Problems	192.5	18460.0	23253.5
Control of Occupational Safety and Health Problems	144.1	6464.4	10076.4
Dissemination of Occupational Safety and Health Findings and Recommendations	153.7	22172.4	25659.0
Technical Support to Occupational Safety and Health Programs	102.9	5543.2	7989.3
Administration of Institute Programs	279.8	10245.4	16530.1
TOTAL	1094.5	69946.4	95620.3 *

* The total funds for planning purposes include only funds appropriated by the Congress, funds transferred from other agencies for research, reimbursements for services, and overallocation of funds in anticipation of cancelation of projects during the year.

NIOSH
 Summary of Resources by Division
 Fiscal Year 1981
 (funds are in thousands of dollars)

<u>Research Divisions</u>	<u>Person Years</u>	<u>Non-Personnel Funds</u>	<u>Total Funds</u>
Division of Biomedical and Behavioral Science	108.1	6960.2	9589.7
Division of Physical Sciences and Engineering	112.1	6440.8	9243.7
Division of Respiratory Disease Studies	159.5	5288.5	9330.8
Division of Surveillance, Hazard Evaluations, and Field Studies	199.5	6877.0	11356.2
Division of Safety Research	73.0	4358.4	6162.9
Office of Extramural Coordination and Special Projects	64.5	10295.0	11833.0
<u>Non Research Divisions</u>			
Division of Criteria Documentation and Standards Development	68.8	4450.1	6120.1
Division of Training and Manpower Development	31.7	14700.1	15412.2
Division of Technical Services	62.1	1991.1	3282.8
Office of Administrative and Management Services	136.7	7344.2	10213.6
Office of the Director	54.3	752.1	2060.8
Office of Program Planning and Evaluation	24.2	488.9	1014.5
TOTALS	1094.5	69946.4	95620.3 *

* The total funds for planning purposes include only funds appropriated by the Congress, funds transferred from other agencies for research, reimbursements for services, and overallocation of funds in anticipation of cancelation of projects during the year.

SURVEILLANCE

Division of Biomedical and Behavioral Science

The surveillance activity of DBBS consists of a single project, "Safety and Health of Commercial Divers." A major portion of this project is devoted to establishing a national data base on morbidity and mortality statistics for deep sea divers, tunnel workers, and caisson workers. These data will be used to guide the future development of research projects bearing on occupational safety and health (OSH) issues impacting on the aforementioned workers.

Division of Respiratory Disease Studies

NIOSH has a strong framework for surveillance of health effects and exposures among coal miners through the National Coal Workers' Surveillance Program, the National Coal Workers' Autopsy Program, and the Institute's prospective surveillance studies of coal workers' pneumoconiosis. These efforts will continue during FY 1981. Major efforts during FY 1981 will be the development of a long-range surveillance strategy for metal and nonmetal mining, initiation of the data collection phase of a Mining Occupational Hazards Survey, and Target Surveillance of selected toxic exposures, processes, or operations. The Mining Occupational Hazards Survey will involve a 5 to 10 percent probability sample of all mining sectors and will include an extensive inventory of exposures, measurement of as many exposures as possible, and identification of high-risk cohorts for health effects evaluation. A major health surveillance effort undertaken during FY 1980 was a study of mortality patterns among a cohort of more than 13,000 metal miners. Further analyses of these data will continue in FY 1981.

DRDS's objectives in mine health surveillance are to collect and disseminate information that will allow for identification and prioritization of mine health research needs by NIOSH management. The data base, called the Mine Health Hazards Monitor, should: (1) classify mines by their health hazards, (2) characterize both agents known or suspected as health hazards and agents not yet suspected, (3) include workforce characteristics that will allow for precise correlation with exposure data, and (4) include correlations from the workforce characteristics with exposure conditions that have suitable base populations for epidemiologic analyses.

Division of Safety Research

DSR's surveillance function is performed by the Safety Surveillance Branch which has as its main objective the gathering and analyzing of occupational injury data. These data are used to monitor frequency, severity, and cost of occupational injuries and to set priorities for research projects and Division direction, to determine specific high-risk occupations and industries and other characteristics of injuries, and to evaluate the impact of various Division programs and other preventive efforts. The main data sources used for this effort consist of supplementary data system files from the Bureau of Labor Statistics, DOL, survey files from the Work Injury Report Surveys (also from BLS), and other specialized data bases as these become available through related DSR projects.

Division of Surveillance, Hazard Evaluation, and Field Studies

The surveillance activity of DSHEFS is dedicated to developing an adequate system for the national surveillance of occupational hazards and occupation-related diseases, injuries, and deaths. To this end,

increases in resources have been introduced in FY 1981 encompassing 14 new and 16 ongoing projects (including projects in the areas of general surveillance, cancer, mining, and reproductive hazards). Some of the major efforts include the conduct of NOHS-II; developing a data file on information built from hazard exposures supplied by labor unions and employers; developing a well-established Trade Name Ingredient Data Base to assist in the labeling activities of OSHA and EPA; continual use, analysis, and development of data bases available from SSA and NCHS (including an emphasis on chronic trauma and mining industries); development of cooperative agreements with states to build monitoring systems that use mortality and morbidity data compiled by the states; determining the feasibility of using infertility clinic records as a starting point in studies concerned with the occupational histories of couples seen because of unwanted infertility; evaluating parental employment and spontaneous abortions; using NOHS-II data to identify geopolitical areas where there is a potential for workplace hazards, and subsequently analyzing fetal death certificates and live-birth information for increased incidence of fetal loss or congenital malformation; and, in a more timely fashion, to use available surveillance information to identify specific occupational groups and industries for additional research. The latter emphasis area is of special concern and two new projects will be initiated ("Composite Data Base" and "Use of Poison Control CIR Network for Hazard Alerting") to help accommodate this task. Also, in this regard, publication efforts will increase and an intradivision activity will be utilized regarding identification of sentinel health events (occupational) to direct future field research.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY I	C	PLANNED COMPLETION				O G	C H	N D	P Y	RESOURCES	
			1Q	2Q	3Q	4Q					NPF \$1000	TF \$1000
											P M F R E U	
3. Receiving Center (Popovich P 304-599-7301) (VKQ-311-235) (100/VKQ-apD-235)	70	C					a	c	b			CepDya 60
.1 Review, approve operators' plans; make arrangements for examination of miners not covered by plans.			o	o	o	o						CepDya 61
.2 Process examinations of coal miners			o	o	o	o						CepDya 62
.3 Certify x-ray facilities			o	o	o	o						CepDya 63
.4 Certify physicians			o	o	o	o						CepDya 64
.5 Provide coding, tracking, microfilming, and filing support to other branches			o	o	o	o						CepDya 65
.6 Provide interpretations by certified "B" readers to support research projects, health hazard investigations, and reading trials conducted by other branches			o	o	o	o						CepDya 66
												CepDya 67
												CepDya 68
												CepDya 69
												CepDya 70
												CepDya 71
												CepDya 72
												CepDya 73
												CepDya 74
												CepDya 75
4. Occupational Hazards Survey of Mining, Phase II (Carr W 304-599-7421) (2/35.0/90.0) (11/190.0/340.0) (2/35.0/90.0) (100/VKP-apD-156)	80	83					a	c	d			CbpDXa 78
.1 Complete OMB clearance process for questionnaire (FY80)			o									CbpDXa 79
.2 Initiate discussions with MSHA regarding substances introduced to mines			o									CbpDXa 80
.3 Hire and begin training of 10 1-year people			o									CbpDXa 81
.4 Develop editing program for questionnaire (task order-contract)			o									CbpDXa 82
.5 Perform field evaluation of both questionnaire and environmental protocol			o	o								CbpDXa 83
.6 Issue data entry task order			o									CbpDXa 84
.7 Refine questionnaire and protocol				o								CbpDXa 85
.8 Complete training of temporaries				o								CbpDXa 86
.9 OMB approval of questionnaire obtained				o								CbpDXa 87
.10 Complete mine surveys (FY81)					20	100						CbpDXa 88
.11 Complete mine surveys (FY82)			680	1.1k	1.5k	1.9k						CbpDXa 89
.12 Submit report to Deputy Director, DRDS regarding MSHA-NIOSH interface on substances introduced to mines (2Q81)				o								CbpDXa 90
.13 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS												CbpDXa 91
												CbpDXa 92
												CbpDXa 93
												CbpDXa 94
												CbpDXa 95
												CbpDXa 96
												CbpDXa 97
												CbpDXa 98
												CbpDXa 99
												CbpDXa 100
												CbpDXa 101
												CbpDXa 102
												CbpDXa 103

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	O	C	N	PY	\$1000	\$1000
							G	H	D			
5. Environmental Surveillance for Third Round NSCWP (Wheeler W 304-599-7421) (VKP-M11-903) (2.0/45.0/103.0) (100/VKP-apD-158)	80	83					a	a	b			
.1 Survey 5 mines to ascertain validity of the MSHA and operator data			1	2	4	5						CbpDia 106
.2 Collect high volume samples in 10 mines				o								CbpDia 107
.3 Complete interim report						o						CbpDia 108
.4 Survey 5 additional mines to complete study (4Q82)												CbpDia 109
.5 Complete final report (3Q83)												CbpDia 110
												CbpDia 111
												CbpDia 112
												CbpDia 113
												CbpDia 114
												CbpDia 115
												CbpDia 116
												CbpDia 117
6. Mining Ind. Surveillance Strategy Options (Groce D 304-599-7421) (VKP-M11-905) (100/VKP-apD-154)	80	81					a	b	d			CcpDXa 119
.1 Contract award (FY80)												CcpDXa 120
.2 Report on short-term objectives received from contractor			o									CcpDXa 121
.3 Report on statistical rationale including the listing of mine sites selected for survey received from contractor				o								CcpDXa 122
.4 Report on long-term objectives received from contractor				o								CcpDXa 123
.5 Final report received from contractor					o							CcpDXa 124
.6 Final report and implementation plan forwarded to Director, DRDS with copy to Director, NIOSH						o						CcpDXa 125
												CcpDXa 126
												CcpDXa 127
												CcpDXa 128
												CcpDXa 129
												CcpDXa 130
												CcpDXa 131
												CcpDXa 132
												CcpDXa 133

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
9. Analysis of Receiving Center Data (Althouse R 304-599-7501) (VKQ-M11-254) (0.2/5.0/11.0) (100/VKL-aDp-178)	80	82					a	c	b			
.1 Select sample of films for reading				o							CaDpya	184
.2 Extract and randomize films and dispatch to readers								o			CaDpya	185
.3 Descriptive statistics of 3rd. Round completed					o						CaDpya	186
.4 Enter readings to computer and edit (1Q82)											CaDpya	187
.5 Complete data analysis (2Q82)											CaDpya	188
.6 Complete report and submit abstract to Director, NIOSH, with copy of report and abstract to DTS (4Q82)											CaDpya	189
											CaDpya	190
											CaDpya	191
											CaDpya	192
											CaDpya	193
											CaDpya	194
											CaDpya	195
											CaDpya	196
											CaDpya	197
10. Registry of Workers in Emerging Energy Technologies (Kennedy K 304-599-7476) (0.1/2.0/6.0) (100/VKL-aiB-189)	81	82					a	d	c			
.1 Develop DOE IA				o							CaIBDa	200
.2 Sign agreement with DOE					o						CaIBDa	201
.3 Preliminary plan of operation and list of facilities and individuals to be contacted					o						CaIBDa	202
.4 Review of epidemiological literature and list of possibilities for re-evaluation and follow-up					o						CaIBDa	203
.5 Outline of preliminary registry plan for presentation to industry representatives						o					CaIBDa	204
.6 Progress report (1): contacts with industry and union representatives						o					CaIBDa	205
.7 Progress report (2)											CaIBDa	206
.8 Progress report (3) (1Q82)								o			CaIBDa	207
.9 Progress report (4) (2Q82)											CaIBDa	208
.10 Final proposed protocol (3Q82)											CaIBDa	209
.11 Final report on discussions with industry and union representatives (3Q82)											CaIBDa	210
a) monitoring programs (medical and environmental) in each facility											CaIBDa	211
b) additional occupational information on each facility											CaIBDa	212
c) evaluation of the response of those contacted regarding the registry program											CaIBDa	213
.12 Complete final report and submit abstract to Director, NIOSH with copy of abstract and report to DTS (4Q82)											CaIBDa	214
											CaIBDa	215
											CaIBDa	216
											CaIBDa	217
											CaIBDa	218
											CaIBDa	219
											CaIBDa	220
											CaIBDa	221
											CaIBDa	222
											CaIBDa	223
											CaIBDa	224
											CaIBDa	225
											CaIBDa	226
											CaIBDa	227
											CaIBDa	228
											CaIBDa	229

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	PY	NPF	TF	\$1000	\$1000	
11. Health Effects Target Surveillance (Kennedy K 304-599-7476) (100/VKL-aDp-184)	81	81					a g d					
.1 Contact state health departments and other agencies to locate existing data sources			o							CaDpya	232	
.2 Investigate record systems to determine suitability for research purposes				o						CaDpya	233	
.3 Develop protocols for pilot studies in target areas				o						CaDpya	234	
.4 Complete data collection for pilot studies						o				CaDpya	235	
.5 If appropriate, develop plans for full scale projects using identified data sources. Prepare interim report						o	o			CaDpya	236	
.6 Out-year milestones and project extension dependent upon preliminary results										CaDpya	237	
										CaDpya	238	
										CaDpya	239	
										CaDpya	240	
										CaDpya	241	
										CaDpya	242	
										CaDpya	243	
										CaDpya	244	
										CaDpya	245	
										CaDpya	246	
12. National Coal Workers' Autopsy Study-Support (Vallyathan V; Martin M 304-599-7581) (VKC-R24-138) (100/VKC-apD-138)	81	C					a c b			CdpDBa	249	
.1 Complete review of cases within two weeks of request			o	o	o	o				CdpDBa	250	
.2 Administer Coal Mine Disaster Plan as necessary			o	o	o	o				CdpDBa	251	
.3 Publicize NCWAS			o	o	o	o				CdpDBa	252	
.4 Present display at ASCP/CAP meeting			o							CdpDBa	253	
.5 Review cases and assess data for 1971-77					o					CdpDBa	254	
.6 Complete analysis of lung cancer cases						o				CdpDBa	255	
.7 Complete analysis of stomach cancer cases						o				CdpDBa	256	
.8 Complete analysis of elemental and particulate content of lesion of CWP					o					CdpDBa	257	
										CdpDBa	258	
										CdpDBa	259	
										CdpDBa	260	
										CdpDBa	261	
										CdpDBa	262	
										CdpDBa	263	
13. Occupational Health Review of Energy Industries (Wallace W 304-599-7421) (0.2/41.8/50.0) (0.2/71.2/80.0) (100/VKP-aiD-176)	81	83					a c c			CbiDBa	266	
.1 Select technologies for review in FY81			o							CbiDBa	267	
.2 Contract review of First Technology Award				o						CbiDBa	268	
.3 Contract review of Second Technology Award				o						CbiDBa	269	
.4 Contract review of Third Technology Award					o					CbiDBa	270	
.5 First Technology Report received						o				CbiDBa	271	
.6 Second Technology Report received (1Q82)							o			CbiDBa	272	
.7 Third Technology Report received (2Q82)										CbiDBa	273	
.8 A "final report" cannot be issued for this type project. Data obtained herein will be integrated into the overall energy direction and policy decisions made within NIOSH										CbiDBa	274	
										CbiDBa	275	
										CbiDBa	276	
										CbiDBa	277	
										CbiDBa	278	
										CbiDBa	279	
										CbiDBa	280	
										CbiDBa	281	

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
14. Occupational Health Studies Advanced Coal Combustion Technologies (Wallace W 304-599-7421) (1.4/150.0/200.0) (100/VKP-aid-170)	81	84					a	c	b			
.1 Review/select scrubber types/sites for IH characterization			o								CbiDBa	284
.2 Perform IH walk-through of initial site						o					CbiDBa	285
.3 Perform IH characterization of other selected control technology sites (annual)						o					CbiDBa	286
.4 Review COM schedules and planned IH studies						o					CbiDBa	287
											CbiDBa	288
											CbiDBa	289
											CbiDBa	290
											CbiDBa	291
											CbiDBa	292
											CbiDBa	293
											D	296
											D	297
DIVISION OF SURVEILLANCE, HAZARD EVALUATIONS, AND FIELD STUDIES												
15. Disability Conditions in the Workplace - Phase III (Tom Fischback 513-684-3284) (100/VMO-apX-636)	80	81					a	c	a			
.1 Complete disability analysis by occupational group.			o								DcpXXa	298
.2 Complete Phase II (industry) data analysis.				o							DcpXXa	299
.3 Complete Phase II and III draft report.					o						DcpXXa	300
.4 Complete Phase II and III final reports and transmit abstract to Director, NIOSH and copy to DTS.						o					DcpXXa	301
											DcpXXa	302
											DcpXXa	303
											DcpXXa	304
											DcpXXa	305
											DcpXXa	306
											DcpXXa	307
16. Access to NOHS Data Base: Information Profile Development (NCI) (Mary Carroll 513-684-3816) (1.0/125.0/148.0)(100/VMO-ayy-662)	79	C					a	c	e			
.1 Process requests for NOHS-I information.			40	80	120	160					Dcyyya	310
.2 Develop information profiles on hazardous industries and occupations.			500	1k	1.5k	2k					Dcyyya	311
.3 Develop a base-wide summary of exposure estimates.			o	o	o	o					Dcyyya	312
											Dcyyya	313
											Dcyyya	314
											Dcyyya	315
											Dcyyya	316
											Dcyyya	317
											Dcyyya	318
17. Development of Trade Name Ingredient Data Base (NCI) (Randy Young 513-684-2706) (4.0/125.0/218.0)(100/VMO-ayy-663)	78	C					a	c	e			
.1 Receive final report containing recommendations for TNIC II System modifications.			o								Dcyyya	321
.2 Initiate implementation of selected options.			o								Dcyyya	322
.3 Process trade name records during field phase of survey.				200	400	600					Dcyyya	323
											Dcyyya	324
											Dcyyya	325
											Dcyyya	326
											Dcyyya	327
											Dcyyya	328
											Dcyyya	329
											Dcyyya	330

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
26. Lead Surveillance (Joyce Salg 513-684-3284) (1.0/60.0/83.0)(1.0/60.0/83.0)(100/VMO-aAC-616)	81	83					a	g	a			
.1 Submit IA (IA-81-) to OPPE.			o								DcACCa	426
.2 Award IA.				o							DcACCa	427
.3 Complete protocol development.				o							DcACCa	428
.4 Obtain OMB approval.						o					DcACCa	429
.5 Complete data processing (4Q82).											DcACCa	430
.6 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (4Q83).											DcACCa	431
											DcACCa	432
											DcACCa	433
											DcACCa	434
											DcACCa	435
											DcACCa	436
27. Registry-Based Occupational Cancer Surveillance - Phase I (John Sestito 513-684-3284) (0.3/45.0/55.0)(100/VMO-aBy-617)	78	82					a	b	a			
.1 Submit contract modification (210-78-0070) to OAMS.			o		o						DcByya	439
.2 Award contract modification.				o							DcByya	440
.3 Monitor case control identification.			o	o							DcByya	441
.4 Complete case control identification.					o						DcByya	442
.5 Complete administration of questionnaires.						o					DcByya	443
.6 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (4Q82).											DcByya	444
											DcByya	445
											DcByya	446
											DcByya	447
											DcByya	448
											DcByya	449
											DcByya	450
28. Fetal Mortality Study (Rose Kaminski 513-684-3284) (0.2/34.0/39.0)(100/VMO-aCC-618)	77	82					a	d	a			
.1 Submit modification of IA (IA 78-10) to OPPE.			o								DcCCCa	453
.2 Award IA.				o							DcCCCa	454
.3 Complete case identification.					o						DcCCCa	455
.4 Complete follow-up for non-response cases.						o					DcCCCa	456
.5 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (4Q82).											DcCCCa	457
											DcCCCa	458
											DcCCCa	459
											DcCCCa	460
											DcCCCa	461
											DcCCCa	462
29. Association of Parental Occupation and Childhood Cancer (NCI) (John Sestito 513-684-3284) (100/VMO-aCC-666)	79	81					a	g	e			
.1 Receive report from FDA.					o						DcCCCa	465
.2 Complete final report and transmit abstract to Director, NIOSH and copy to DTS.						o					DcCCCa	466
											DcCCCa	467
											DcCCCa	468
											DcCCCa	469
											DcCCCa	470
											DcCCCa	471
											DcCCCa	472

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				PLANNED COMPLETION				P M F			RESOURCES			
	I	C	1Q	2Q	3Q	4Q	G	H	D	O	C	N	PY	NPF	TF
30. Case Comparison Study of Parental Employment and Fetal Outcomes (Joyce Salg 513-684-3284) (0.1/10.0/12.0)(100/VMO-aCC-626)	81	82							a	b	a				
.1 Award contract (210-81-5004) (RFC sent to OAMS in FY'80.)				o										DcCCCa	475
.2 Complete data collection.					o									DcCCCa	476
.3 Complete edit for natality surveillance.						o								DcCCCa	477
.4 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (1Q82).														DcCCCa	478
														DcCCCa	479
														DcCCCa	480
														DcCCCa	481
														DcCCCa	482
														DcCCCa	483
														DcCCCa	484
31. Pilot Study of Infertility Clinic Records (Joyce Salg 513-684-3284) (100/VMO-aCX-638)	81	81							a	c	a			DcCXXa	487
.1 Complete literature survey.				o										DcCXXa	488
.2 Complete assessment of feasibility of using clinical records.					o									DcCXXa	489
.3 Complete protocol for possible FY'82 project.										o				DcCXXa	490
														DcCXXa	491
														DcCXXa	492
														DcCXXa	493
														DcCXXa	494
														DcCXXa	495
32. Surveillance of Parental Employment and Spontaneous Abortion (Joyce Salg 513-684-3284) (0.5/10.0/22.0)(100/VMO-aCX-643)	81	83							a	b	a			DcCXXa	498
.1 Submit RFC to OAMS (210-81-5002).				o										DcCXXa	499
.2 Award contract.						o								DcCXXa	500
.3 Complete data editing.														DcCXXa	501
.4 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (4Q82).							o			o				DcCXXa	502
														DcCXXa	503
														DcCXXa	504
														DcCXXa	505
														DcCXXa	506
														DcCXXa	507
33. Composite Data Base (Todd Frazier 513-684-2641) (1.5/10.0/45.0)(100/VMO-aXy-637)	81	C							a	c	a			DcXyya	510
.1 Complete development of identification strategy for industry/disease rubrics.				o										DcXyya	511
.2 Complete short-term surveillance report format.					o									DcXyya	512
.3 Complete short-term surveillance reports.						3	6							DcXyya	513
														DcXyya	514
														DcXyya	515
														DcXyya	516
														DcXyya	517
														DcXyya	518

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	PLANNED COMPLETION				P M F R E U O C N			RESOURCES	
	FY	I C	1Q	2Q	3Q	4Q	G H D	PY	NPF TF \$1000 \$1000
34. Registration of Disease and Exposure Cohorts (Ed Dacey 513-684-3284) (0.5/20.0/32.0)(100/VMO-aXX-625)	79	C					a b a		DcXXXa 521 DcXXXa 522 DcXXXa 523 DcXXXa 524 DcXXXa 525 DcXXXa 526 DcXXXa 527 DcXXXa 528 DcXXXa 529 DcXXXa 530 DcXXXa 531
.1 Edit and update existing files.			o	o	o	o			
.2 Complete PMR analysis for DBCP file.				o					
.3 Award BCR contract renewal (210-79-0067). (RFC sent to OAMS in FY'80.)					o				
.4 Complete update report on file status and make recommendations for future activities.						o			
35. State Mortality Module (Rose Kaminski 513-684-3284) (2.0/250.0/296.0)(100/VMO-aXX-624)	80	82					a f a		DcXXXa 534 DcXXXa 535 DcXXXa 536 DcXXXa 537 DcXXXa 538 DcXXXa 539 DcXXXa 540 DcXXXa 541 DcXXXa 542
.1 Complete site visits.			o						
.2 Obtain progress reports on data processing activities.				o					
.3 Award second round of cooperative agreements.						o			
.4 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (4Q82).									
36. Survey of Chronic Diseases Among Defined U.S. Worker Populations (Tom Fischbach 513-684-3284) (100/VMO-aXX-622)	78	81					a b a		DcXXXa 545 DcXXXa 546 DcXXXa 547 DcXXXa 548 DcXXXa 549 DcXXXa 550 DcXXXa 551 DcXXXa 552
.1 Complete data collection.			o						
.2 Complete data analysis.					o				
.3 Complete final report and transmit abstract to Director, NIOSH and copy to DTS.						o			
37. Disability Surveillance of Occupation and Industry (Tom Fischbach 513-684-3284) (1.0/35.0/58.0)(100/VMO-aXX-629)	81	C					a g a		DcXXXa 553 DcXXXa 556 DcXXXa 557 DcXXXa 558 DcXXXa 559 DcXXXa 560 DcXXXa 561 DcXXXa 562 DcXXXa 563 DcXXXa 564 DcXXXa 565
.1 Initiate negotiations with SSA.			o						
.2 Complete protocol development.				o					
.3 Submit IA (IA-81) to OPPE.				o					
.4 Award IA.					o				
.5 Develop recommendations for future activities under IA.						o			

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F			RESOURCES				
				1Q	2Q	3Q	4Q	O	C	N	NPF	TF			
				G	H	D	PY	\$1000	\$1000						
38 Mortality Surveillance of Occupation and Industry (John Sestito 513-684-3284) (1.0/200.0/223.0)(100/VMO-aXX-633)	81		C					a	g	a					DcXXXa 568
															DcXXXa 569
															DcXXXa 570
															DcXXXa 571
.1 Initiate negotiations with NCHS.															DcXXXa 572
.2 Complete peer review.															DcXXXa 573
.3 Submit IA (IA-81-) to OPPE.															DcXXXa 574
.4 Award IA															DcXXXa 575
.5 Complete recommendations for future activities under IA.															DcXXXa 576
															DcXXXa 577
39. Feasibility of Using Employee Illness Reporting Systems (Rose Kaminski 513-684-3284) (100/VMO-aXX-634)	81		81					a	c	a					DcXXXa 580
															DcXXXa 581
															DcXXXa 582
															DcXXXa 583
.1 Complete literature review.															DcXXXa 584
.2 Complete union contacts.															DcXXXa 585
.3 Complete draft of feasibility study.															DcXXXa 586
.4 Complete final report on feasibility study.															DcXXXa 587
															DcXXXa 588
40. Chronic Trauma Disability Analysis (Judy Lisson 513-684-3284) (100/VMO-aXX-639)	81		81					a	c	a					DcXXXa 591
															DcXXXa 592
															DcXXXa 593
.1 Complete literature review.															DcXXXa 594
.2 Complete preliminary data analysis.															DcXXXa 595
.3 Complete draft report.															DcXXXa 596
.4 Complete final report and transmit abstract to Director, NIOSH and copy to DTS.															DcXXXa 597
															DcXXXa 598
															DcXXXa 599
41. Occupational Mortality in Washington State (Ed Dacey 513-684-3284) (0.2/1.0/6.0)(100/VMO-aXX-642)	81		82					a	b	a					DcXXXa 602
															DcXXXa 603
															DcXXXa 604
															DcXXXa 605
.1 Complete coding and editing of data file.															DcXXXa 606
.2 Complete development of computer program.															DcXXXa 607
.3 Receive analysis program from contractor (210-80-0088)															DcXXXa 608
.4 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (3Q82).															DcXXXa 609
															DcXXXa 610
															DcXXXa 611

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY I C	PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES		E			
		1Q	2Q	3Q	4Q	PY	NPF	TF	\$1000	\$1000				
DIVISION OF SAFETY RESEARCH														
42. General Surveillance and Analysis (Gustin 923-7576) (.5/80000/92750) (100/VLB-abN-806)	77	C						a c a					E	614
.1 BLS Supplementary Data System													E	615
a. Receive micro-data tapes			7	14	21	28							EabNya	616
b. Update Model 204 Data Retrieval System							o						EabNya	617
c. Provide quick response reports			3	6	9	12							EabNya	618
.2 FRASE - Conduct searches upon request			3	6	9	12							EabNya	619
Update data base using Epi. project reports							o						EabNya	620
.3 Boilermaker's Data Analysis - Run tables			o	o									EabNya	621
Prepare report for Boilermakers				o									EabNya	622
.4 NOHS - Provide Consultation to DSHEFS				o			o						EabNya	623
.5 NCHS - Discuss possible joint projects			o	o	o								EabNya	624
.6 Insurance Industry - Meet with representatives			o	o									EabNya	625
Plan strategy for obtaining input and data				o									EabNya	626
.7 WVUNET - Obtain permission to use computer			o	o	o	o							EabNya	627
Use computer facilities			o	o	o	o							EabNya	628
.8 NPIOII - Meet with NSC officials to plan studies			o		o								EabNya	629
.9 U.S. - Finnish Joint Symposium													EabNya	630
a. Prepare presentations (4Q80)													EabNya	631
b. Participate in symposium in Cincinnati			o										EabNya	632
.10 Accident Investigation Reports Analysis			o										EabNya	633
a. Prepare purchase order													EabNya	634
b. Receive and review draft report							o						EabNya	635
c. Receive final report							o						EabNya	636
.11 Punch Press Injury Investigation Data													EabNya	637
a. Prepare purchase order (2Q80)													EabNya	638
b. Receive and review draft report				o									EabNya	639
c. Receive final report					o								EabNya	640
43. Cost/Benefit of Job Injury Prevention (Perry 923-7576) (.3/9000/16650) (100/VLB-aby-807)	81	82						a b a					EabNya	641
.1 Award contract			o										EabNya	642
.2 Review contractor's methodology for data collection				o									EabNya	643
.3 Monitor data collection			o	o	o	o							EabNya	644
.4 Review cost/benefits model (1Q82)													EabNya	645
.5 Review time-series graphical presentation (1Q82)													EabNya	646
.6 Receive final report (4Q82)													EabNya	647
													EabNya	648
													Eabyya	651
													Eabyya	652
													Eabyya	653
													Eabyya	654
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													Eabyya	659
													Eabyya	660

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	O	C	N	PY	\$1000	\$1000
							G	H	D			
44. Worker-Identified Hazard Control System (Cleveland 923-7576) (.5/15000/26475) (100/VLB-abm-809)	81	83					a	b	a			
.1 Negotiate and award contract			o									Eabmya 663
.2 Set up contractor timetable			o									Eabmya 664
.3 Conduct literature search												Eabmya 665
.4 Design interview questionnaire & methodology				o								Eabmya 666
.5 Obtain OMB and Human Subjects Review Board clearance				o					o			Eabmya 667
.6 Design and collect monetary & attitudinal evaluation criteria						o						Eabmya 668
.7 Start to interview 800 workers									o			Eabmya 669
.8 Complete 800 interviews and start to correct hazards (2Q82)												Eabmya 670
.9 Collect final monetary and attitudinal evaluation data (4Q82)												Eabmya 671
.10 Evaluate data and complete final report (4Q82)												Eabmya 672
.11 Present internal evaluation of findings to Division Director and staff												Eabmya 673
												Eabmya 674
												Eabmya 675
												Eabmya 676
												Eabmya 677
												Eabmya 678
												Eabmya 679
												Eabmya 680
45. Analyses of Hospital Injury & Illness (Perry 923-7576) (.8/23000/43,000) (100/VLB-aby-810)	81	82					a	b	a			Eabyya 683
.1 Define need, determine purpose, develop background			o									Eabyya 684
.2 Develop procurement plan			o									Eabyya 685
.3 Submit RFC to Contract Office			o									Eabyya 686
.4 Evaluate proposals and award contract				o								Eabyya 687
.5 Obtain needed approvals									o			Eabyya 688
.6 Identify, evaluate, and classify injuries (1Q82)												Eabyya 689
.7 Develop departmental job and task analyses using functional flow block diagrams (2Q82)												Eabyya 690
.8 Submit report/abstract to DSR Director (4Q82)												Eabyya 691
												Eabyya 692
												Eabyya 693
												Eabyya 694
												Eabyya 695

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F			RESOURCES		
				1Q	2Q	3Q	4Q	O	C	N	NPF	TF	
				G	H	D	PY	\$1000	\$1000				
46. BLS Work Injury Report Surveys (Coleman 923-7576) (.5/37000/49750) (100/VLB-abN-813)	77		C					a	c	a			EabNya 698
.1 Plan FY81 surveys (4Q80)													EabNya 699
.2 Analyze and report on following surveys:													EabNya 700
a. Foot injuries				o									EabNya 701
b. Eye injuries					o								EabNya 702
c. Face injuries					o								EabNya 703
d. Head injuries						o							EabNya 704
.3 Attend planning meetings for FY82 surveys				1	2	3	4						EabNya 705
.4 Report to Director, DSR, on FY82 survey summary publications						2	4						EabNya 706
.5 Analyze and report on following surveys:								o					EabNya 707
a. Lockout/tagout injuries													EabNya 708
b. Back injuries (1Q82)													EabNya 709
c. Amputations (3Q82)													EabNya 710
d. Hand injuries (4Q82)													EabNya 711
47. NEISS Occupationally Related Data Sharing (Gustin 923-7576) (.3/265000/272650) (100/VLB-abN-814)	80		82					a	g	a			EabNya 712
.1 Sign IAA-NIOSH & CPSC (4Q80)													EabNya 713
.2 Initiate NEISS one month trial				o									EabNya 714
.3 Evaluate trial results & report to Director, DSR					o								EabNya 715
.4 Reaffirm agreement if results positive					o								EabNya 716
.5 Initiate NEISS case finding procedures						o							EabNya 717
.6 Report on success to Director, DSR							o						EabNya 718
.7 Evaluate one year data quality for continuation into FY82							o						EabNya 719
48. Offshore Oil and Gas Surveillance (Perry 923-7576) (.4/11,000/19925) (100/VLB-abj-815)	81		82					a	c	a			EabNya 720
.1 Define need, determine purpose, develop background				o									EabNya 721
.2 Develop strategy plan				o									EabNya 722
.3 Submit strategy plan to branch chief				o									EabNya 723
.4 Gather data on offshore oil drilling							o						EabNya 724
.5 Visit IADC - Houston						o							EabNya 725
.6 Conduct orientation of DSR personnel						o							EabNya 726
.7 Attend IADC Safety Conference						o							EabNya 727
.8 Visit U.S. Coast Guard - Galveston, Texas							o						EabNya 728
.9 Develop job descriptions								o					EabNya 729
.10 Write profile of industry (1Q82)													EabNya 730
.11 Record and analyze data				o									EabNya 731
.12 Submit report/abstract to DSR Director					o								EabNya 732
													EabjNa 733
													EabjNa 734
													EabjNa 735
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													EabjNa 746
													EabjNa 747

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
49. Industrial Change Surveillance (Gustin 923-7576) (.4/20000/30200) (100/VLB-abN-816)	81	82					a	b	a			
.1 Identify data sources for potential analysis			o								EabNya	750
.2 Analyze and evaluate data sources for their potential to define problems					o						EabNya	751
.3 Prepare a plan for using data in surveillance system						o					EabNya	752
.4 Prepare report to Director, DSR							o				EabNya	753
											EabNya	754
											EabNya	755
											EabNya	756
											EabNya	757
											EabNya	758
50. Effectiveness of Safety Symbols in the Workplace (Lark 923-7454) (100/VLD-abN-823)	79	81					a	g	a			
.1 Interagency agreement with NBS initiated (3Q79)(IA-79-26)											EbbNpa	761
.2 Completed plant visits and literature review (1Q80)											EbbNpa	762
.3 Obtained SPRG and HSRB approvals (2Q80)											EbbNpa	763
.4 Initiated testing of symbols for recognizability by workers (4Q80)											EbbNpa	764
.5 Complete tests			o								EbbNpa	765
.6 Analyze test results				o							EbbNpa	766
.7 Draft report reviewed by NIOSH					o						EbbNpa	767
.8 Transmit abstract to Director, NIOSH					o						EbbNpa	768
.9 Project report published as NBS document						o					EbbNpa	769
											EbbNpa	770
											EbbNpa	771
											EbbNpa	772
											EbbNpa	773
											EbbNpa	774
51. Evaluation of Firefighter Rescue Rope Requirements (Lark 923-7454) (.8/30000/50400) (100/VLD-aby-825)	81	82					a	b	a			
.1 RFC sent to OAMS			o								Ebbyfa	777
.2 Contract awarded				o							Ebbyfa	778
.3 Initiate tests to characterize loads applied to rescue ropes					o						Ebbyfa	779
.4 Complete tests (1Q82)						o					Ebbyfa	780
.5 Complete report on operational problems and load dynamics (1Q82)											Ebbyfa	781
.6 Complete reviews of report (2Q82)											Ebbyfa	782
.7 Transmit abstract to Director, NIOSH (2Q82)											Ebbyfa	783
.8 Submit report for publication (3Q82)											Ebbyfa	784
											Ebbyfa	785
											Ebbyfa	786
											Ebbyfa	787
											Ebbyfa	788
											Ebbyfa	789
											Ebbyfa	790
											Ebbyfa	791

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				P M F				RESOURCES			
	PLANNED		COMPLETION		R E U				NPF	TF		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
52. Assessment of Musculoskeletal Injury Data (Romansky 923-7454) (100/VLD-abN-833)	81	81					a	c	a			
.1 Complete computer searches of BLS-SDS data			o							EbbNya	794	
.2 Obtain WIR survey data				o						EbbNya	795	
.3 Submit draft report for review				o						EbbNya	796	
.4 Complete reviews of report					o					EbbNya	797	
.5 Transmit abstract of report to Director, NIOSH					o					EbbNya	798	
.6 Present paper at AIHA Conference					o					EbbNya	799	
.7 Submit report for publication						o				EbbNya	800	
										EbbNya	801	
										EbbNya	802	
										EbbNya	803	
										EbbNya	804	
53. Effects of Heat on Safe Work Behavior (Romansky 923-7454) (.3/8000/15650) (100/VLD-abf-836)	79	82					a	b	a			
.1 Contract 210-79-0021 awarded 4Q79, "Effects of Heat on Safe Work Behavior"										Ebbfya	807	
.2 Data collection initiated 3Q80										Ebbfya	808	
.3 Submit RFC to modify contract			o							Ebbfya	809	
.4 Complete data collection										Ebbfya	810	
.5 Receive draft final report from contractor							o			Ebbfya	811	
.6 Present findings to OSHA (1Q82)							o			Ebbfya	812	
.7 Complete approval of final report (1Q82)										Ebbfya	813	
.8 Submit to NTIS (2Q82)										Ebbfya	814	
.9 Submit paper for publication (3Q82)										Ebbfya	815	
										Ebbfya	816	
										Ebbfya	817	
										Ebbfya	818	
										Ebbfya	819	
										Ebbfya	820	

HEALTH HAZARD EVALUATIONS

Division of Biomedical and Behavioral Science

DBBS provides support to the HHE programs. Support is provided in the areas of clinical chemistry, ergonomics, and effects of physical agents. Professional staff provide laboratory support to HHE investigations, as well as accompany project directors on workplace investigations.

Division of Respiratory Disease Studies

The DRDS program for mining surveillance includes both surveillance of health effects among miners and assessment of mining occupational exposures, and serves as a logical link between the Mining Health Hazard Evaluation program and the Institute's Mining Industrywide Research program. In 1977, DRDS undertook a program of HHEs directed specifically to the mining industry as mandated by the Federal Mine Safety and Health Act of that year. In FY 1981, DRDS expects to complete approximately 50 HHEs, about a 30 percent increase over FY 1980.

Division of Surveillance, Hazard Evaluation, and Field Studies

The purpose of this program area is to conduct the HHE programs mandated by Sections 20(a)(6) and (7) of the Occupational Safety and Health Act. Building on efforts initiated in FY 1980, DSHEFS, DRDS, OECSP, DBBS, and DPSE will place major emphasis on increasing the efficiency, scope, output, and impact of the programs through streamlining procedures; better segmenting (triage) of incoming requests; and more effective management, including the institution of an ongoing evaluation mechanism. (The evaluation mechanism will include a questionnaire survey of employers and employees to judge user satisfaction, and revisits to selected facilities to ascertain if employers have implemented NIOSH recommendations and the effectiveness of the recommendations.) The average time to complete HHE efforts will be reduced by 10-15 percent over FY 1981. NIOSH investigators will be trained to conduct investigations of physical agents and of hazards causing chronic trauma. Requests for assistance from other Federal agencies and small businesses will be stimulated. Through increased allocations of resources to HHS regional offices, states, and universities, and improved management, program output should increase to approximately 300-350 HHEs completed in FY 1981, a 30 percent increase over FY 1980. Broader dissemination of findings to employers and unions (national and international) with similar problems, professionals in the OSH field, public health practitioners in state and local governments, the academic community, and the general public will be emphasized through distribution of the summaries of all HHEs, publication of results in CDC's Morbidity and Mortality Weekly Report and in NIOSH Current Intelligence Bulletins, etc.

Office of Extramural Coordination and Special Projects

The objectives of the projects in this program area are to (1) coordinate and facilitate regional involvement in NIOSH program activities, and (2) provide OSH consultative and technical services through NIOSH regional staff. In addition to the HHE programs, this program area involves the stimulation and upgrading of OSH programs in state and local governments and in industry to reduce or eliminate OSH problems in the workplace. Technical and consultative assistance by OSH professionals is provided to Federal, state, and local governmental agencies, management, labor, and other groups or individuals either covered by the OSH Act or involved with implementation of the provisions of the Act.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES						
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF		
											\$1000	\$1000		
*****HEALTH HAZARD EVALUATIONS*****													f	824
													f	825
DIVISION OF BIOMEDICAL AND BEHAVIORAL SCIENCE													A	826
													A	827
1. Development of Immunoassay Procedures (W. Smallwood, 684-8339) (VOT-C23-798)(100/VOT-fCh-384)	80	81					f	c	a				AdChyf	829
.1 Develop hazard data sheet (H.D.S.) (1Q80)													AdChyf	830
.2 Submit H.D.S. to Director, DBBS (1Q80)													AdChyf	831
.3 Submit H.D.S. to all project staff (1Q80)													AdChyf	832
.4 Evaluate steroid hormone assay kits:													AdChyf	833
a. Testosterone (2Q80)													AdChyf	834
b. 17B Estradiol (3Q80)													AdChyf	835
c. Progesterone (4Q80)													AdChyf	836
.5 Initiate development of testosterone-estradiol binding globulin assay procedure (4Q80)													AdChyf	837
.6 Submit progress report to Director, DBBS			o	o	o	o							AdChyf	838
.7 Complete testosterone estradiol binding globulin assay procedure			o										AdChyf	839
.8 Evaluate hormone assay kits for:													AdChyf	840
a. Luteinizing hormone (LH)			o										AdChyf	841
b. Follicle stimulating hormone (FSH)			o										AdChyf	842
c. Chorionic gonadotropin (CGT)			o										AdChyf	843
.9 Evaluate cross reactivity of rabbit serum with assay kits for:													AdChyf	844
a. Testosterone			o										AdChyf	845
b. 17B Estradiol			o										AdChyf	846
c. Progesterone				o									AdChyf	847
d. Luteinizing hormone (LH)					o								AdChyf	848
e. Follicle stimulating hormone (FSH)					o								AdChyf	849
f. Chorionic gonadotropin (CGT)						o							AdChyf	850
.10 Submit final report to Director, DBBS							o						AdChyf	851
.11 Submit abstract to Director, NIOSH							o						AdChyf	852
													AdChyf	853
													AdChyf	854
													AdChyf	855
													AdChyf	856
													AdChyf	857
													AdChyf	858

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
DIVISION OF RESPIRATORY DISEASE STUDIES												
5. Mining Health Hazard Evaluation and Technical Assistance (Engelberg A; Peach J 304-599-7203) (VKP-M33-153) (100/VKP-fpD-153)	81	81					f	b	a			
.1 HHE/TA requests received - actual/projected per quarter for FY 81			10	10	15	15						C 910
.2 HHE/TA surveys conducted - actual/projected per quarter for FY 81			7	7	8	8						C 911
.3 Submit annual HHE report to Director, NIOSH			0									CdDdyf 912
												CdDdyf 913
												CdDdyf 914
												CdDdyf 915
												CdDdyf 916
												CdDdyf 917
												CdDdyf 918
												CdDdyf 919
												CdDdyf 920
												CdDdyf 921

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY I C	PLANNED COMPLETION				P M F R E U O C N G H D	PY	RESOURCES	
		1Q	2Q	3Q	4Q			NPF	TF
								\$1000	\$1000
e. Other		2	4	7	10			DaXyXf	970
								DaXyXf	971
.7 HE/TA's completed without a final report.		10	20	30	40			DaXyXf	972
								DaXyXf	973
.8 Non-PI field assistance trips.								DaXyXf	974
								DaXyXf	975
a. HETAB, IHS		50	100	150	200			DaXyXf	976
								DaXyXf	977
b. HETAB, MS		20	40	60	80			DaXyXf	978
								DaXyXf	979
.9 Other requests serviced.		40	80	120	160			DaXyXf	980
								DaXyXf	981
.10 Meet with major unions regarding HHE promotion.		2	4	6	8			DaXyXf	982
								DaXyXf	983
.11 HHE Evaluation Contract (210-81-5001)								DaXyXf	984
								DaXyXf	985
a. Award		o						DaXyXf	986
								DaXyXf	987
b. Receive quarterly reports.				o	o			DaXyXf	988
								DaXyXf	989
.12 Implement cooperative agreement.		o						DaXyXf	990
								DaXyXf	991
.13 Tri Region Experiment								DaXyXf	992
								DaXyXf	993
a. Complete assessment of progress.		o						DaXyXf	994
								DaXyXf	995
.14 Complete dissemination efforts.		3	6	9	12			DaXyXf	996
								DaXyXf	997
.15 Complete detailed evaluations.		1	2	3	4			DaXyXf	998
								DaXyXf	999
.16 Initiate HHE's of high public interest.		1	2	3	4			DaXyXf	1000
								DaXyXf	1001
.17 Increase small business requests.		15	35	60	90			DaXyXf	1002
								DaXyXf	1003
.18 Response time (in months).		10	9.5	9.0	9.0			DaXyXf	1004
								DaXyXf	1005
.19 Initiate industrywide studies from HHE's/TA's.			1		2			DaXyXf	1006
								DaXyXf	1007
.20 Develop impact indicators.		o						DaXyXf	1008
								DaXyXf	1009
.21 Develop long-range plan for program.		o						DaXyXf	1010
								DaXyXf	1011
								DaXyXf	1012

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY I C	PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES		
		1Q	2Q	3Q	4Q	PY	NPF	TF			
							\$1000	\$1000			
OFFICE OF EXTRAMURAL COORDINATION AND SPECIAL PROJECTS										F	1015
	71	C					f c a			F	1016
7. Regional Office Services (Bursenos, 443-3136)										FbXyNf	1017
(VCH-100-015) (1.0/0.03/0.06) (100/VCH-fXy-876)										FbXyNf	1018
(VCI-G11-702) (36.0/0.163/1,175.0) (100/VCR-fXy-882)										FbXyNf	1019
.1 Conduct investigations of workplace hazards and provide industrial hygiene and safety consultative services, self-initiated and upon request. (DSHEFS assigned TA's excluded)			25	50	75	100				FbXyNf	1020
										FbXyNf	1021
										FbXyNf	1022
										FbXyNf	1023
										FbXyNf	1024
.2 Conduct monitoring and evaluation of and provide provide consultation to State occupational safety and health programs to determine developmental progress and effectiveness.			o	o	o	o				FbXyNf	1025
										FbXyNf	1026
										FbXyNf	1027
										FbXyNf	1028
.3 Submit to OSHA recommendations on administrative and technical adequacy of 22 State 23 (g) occupational safety and health grants.							22			FbXyNf	1029
										FbXyNf	1030
										FbXyNf	1031
.4 Respond on a continuing basis to requests for technical consultation to Federal, State and local agencies							o			FbXyNf	1032
										FbXyNf	1033
.5 Site-visit each ERC for program monitoring; site-visit or consult with other appropriate institutions within the regions for stimulation or monitoring research or training grants.			10	20	30	40				FbXyNf	1034
										FbXyNf	1035
										FbXyNf	1036
										FbXyNf	1037
.6 Provide lectures, seminars, or training sessions within the regions to promote occupational safety and health			25	50	75	100				FbXyNf	1038
										FbXyNf	1039
.7 Conduct health hazard evaluation in determining toxic effects of substances used in the workplace per Section 20(a)(6) of the OSH Act										FbXyNf	1040
a. FY 80 Carryover Requests										FbXyNf	1041
.01 Expected carryover requests (103) (77 initial surveys; 41 follow-up surveys; completed)			103							FbXyNf	1042
										FbXyNf	1043
.02 Complete remaining initial surveys			10	26						FbXyNf	1044
.03 Conduct follow-up environmental surveys			10	30	62					FbXyNf	1045
.04 Submit draft final report to DSHEFS			15	40	70	103				FbXyNf	1046
b. FY 81 Requests										FbXyNf	1047
.01 HHE requests assigned			30	60	85	120				FbXyNf	1048
.02 Conduct initial surveys			20	40	60	90				FbXyNf	1049
.03 Conduct follow-up environmental surveys			20	30	50	80				FbXyNf	1050
.04 Submit draft final report to DSHEFS				20	40	60				FbXyNf	1051
.8 Conduct technical assistance evaluations assigned by DSHEFS										FbXyNf	1052
.01 Carryover requests from FY 1980			15							FbXyNf	1053
.02 TA's assigned in FY 1981			10	20	30	40				FbXyNf	1054
.03 Conduct initial survey			5	10	20	30				FbXyNf	1055
.04 Conduct follow-up surveys			5	8	15	20				FbXyNf	1056
.05 Submit draft final report to DSHEFS				4	8	10				FbXyNf	1057
.9 Plan and conduct two regional program planning										FbXyNf	1058
										FbXyNf	1059
										FbXyNf	1060

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY I C	PLANNED COMPLETION				P M F R E U O C N G H D	PY	RESOURCES	
		1Q	2Q	3Q	4Q			NPF	TF
		\$1000		\$1000					

meetings

.10 Prepare and submit to CDC Institute guidelines for RHA's annual workplans

.11 Prepare and submit request for Regional Advice of Allowance for transfer of funds to the regions

1

2

o

o

FbXyNf 1061

FbXyNf 1062

FbXyNf 1063

FbXyNf 1064

FbXyNf 1065

FbXyNf 1066

EPIDEMIOLOGY

Division of Biomedical and Behavioral Science

Epidemiologic studies conducted by DBBS consist of three cross-sectional investigations of fumigators, office workers, and paperworkers. In each case, the purpose of the investigation is to examine the effects of specific workplace conditions (pesticides, stress, and noise, respectively) on workers' health. Should significant health effects be found, recommendations for ameliorative action will be developed.

Division of Respiratory Disease Studies

Respiratory Disease Research - Respiratory diseases continue to be important occupational hazards and a major research initiative for NIOSH. NIOSH respiratory disease field research includes cross-sectional and longitudinal epidemiologic studies, studies of respiratory disease mortality, and detailed environmental exposure assessments. NIOSH also has a strong laboratory-based research effort including inhalation toxicology studies, biochemical studies of disease mechanisms, and studies to develop and evaluate methods for early detection of occupational respiratory diseases.

During FY 1981, respiratory disease research to identify and evaluate pneumoconiosis-producing dusts or industries will continue to be an important element of the NIOSH program. New areas of research to be initiated in FY 1981 are an industrywide study of the ceramic industry, morbidity and mortality studies of vermiculite workers, morbidity studies of kaolin workers, and further morbidity studies of workers exposed to asbestos substitutes. Further studies of respiratory morbidity among workers exposed to fibrous minerals other than asbestos also are underway.

Organic dusts also should remain a high priority for FY 1981, including studies of agricultural workers exposed to organic dusts. DRDS FY 1981 research includes further studies of workers exposed to endotoxin in animal confinement housing and pilot assessment of mycotoxin exposures among peanut workers. Other FY 1981 studies of organic dusts include completion of secondary cotton studies and initiation of a large industrywide study of the wood-product industry. These studies will be closely tied into ongoing laboratory studies including assessments of immune mechanisms of lung injury.

Mining Research - The DRDS mining industrywide research program includes morbidity, mortality, and environmental studies directed at evaluating miners' health in relation to occupational exposures. NIOSH has developed a strong industrywide program in coal, built around the National Study of Coal Workers' Pneumoconiosis, the Coal Miners X-ray Surveillance Program, and the National Coal Workers' Autopsy Program. These studies will continue in FY 1981 in addition to further studies of stomach cancer mortality among coal workers, analysis of pathology materials collected through the autopsy program, and assessment of early respiratory effects of new miners entering the industry. DRDS research in metal and nonmetal mining has undergone considerable growth since passage of the Federal Mine Safety and Health Act in 1977. Epidemiologic and industrial hygiene studies of crushed stone, cement, and attapulgite workers will continue during FY 1981 along with assessments of mortality among diesel-exposed cohorts. Exposures

and health effects among vermiculite workers will be addressed in FY 1981 along with pilot efforts in the claymining industry.

Division of Safety Research

In DSR's Safety Surveillance Branch, surveillance serves the purpose of identifying problems for research and pinpointing specific areas in which to better define these problems. A third level is furnished by our injury epidemiology effort, which is intended both to generate specific, testable hypotheses about causes of injury and accident, and to design and conduct studies to test these hypotheses. At present, the injury epidemiology projects consist of two case-control studies, one a study of falls from ladders and the other a study of lathe injuries. In each study, 350 cases will be identified and investigated and 350 matched controls will be selected and interviewed for comparison purposes.

Division of Surveillance, Hazard Evaluation, and Field Studies

The purpose of this program area is to conduct field epidemiologic research in reproductive hazards, radiation, metal and nonmetal mining, energy, cancer, and cardiovascular, neurologic, hepatic, and renal diseases.

Reproductive Hazards Research - The emphasis for the DSHEFS reproductive hazards program is the newly defined NIOSH initiative and includes six projects in the area of field epidemiologic research. This research will be done in close liaison with DEBS and DRDS. Resource requirements have increased slightly from FY 1980. A new FY 1981 project includes a study of reproductive outcomes of workers exposed to polychlorinated biphenyls. Also, special attention will be given to the study of reproductive hazards confronting male workers.

Radiation Research - NIOSH's radiation initiative identified the need to have a strong epidemiologic research effort in this area, and to that end two projects (mortality and industrial hygiene studies of nuclear shipyard workers and of a uranium enrichment facility) are included as they pertain to low-level ionizing radiation. A complementary project regarding the cytogenetic effects of exposure to low-level ionizing radiation (study population is the shipyard workers mentioned above) is included under the Reproductive Hazards Research heading. In regard to non-ionizing radiation, a reproductive hazard and industrial hygiene study of workers exposed to microwave and radiofrequency energy and a study of videodisplay terminal (VDT) workers are being conducted. (The former project is included under the Reproductive Hazards Research heading.)

Metal and Nonmetal Mining Research - As was the case in FY 1980, DSHEFS' activity in this area is quite modest. The uranium miner and miller mortality studies will continue. Information from these studies is intended to provide input for the present deliberations regarding a safe level of exposure for radon daughters. Coordination will continue with DRDS to identify additional areas for research that could be conducted by DSHEFS.

Energy Research - In FY 1981, DSHEFS' involvement in this area also will be modest; three projects (two industrial hygiene characterization studies of petroleum refineries and one mortality study of workers exposed to sulfuric acid) will be continued. As needed, DSHEFS will provide assistance to DRDS in developing protocols for worker registries in newly developing energy industries.

Cancer Research - The DSHEFS FY 1981 cancer field epidemiologic research program has decreased slightly in funds from FY 1980. This reflects a program shift to new NIOSH initiatives in Radiation Research, Reproductive Hazards Research, and Surveillance. Five new projects will be initiated; two of these are already ongoing as a result of emerging problems in FY 1980 (i.e., the study of the carcinogenic potential of formaldehyde and an evaluation of an excess cancer risk that was noted in automotive wood die and model makers). Industrial hygiene characterization studies, with control technology components as appropriate, will continue to be an integral part of this program. As in FY 1980, the emerging problems activity will be classified as a cancer project since most of the problems deal with reports of cancer excesses or are reported via bioassay programs. An important new aspect of the cancer epidemiologic program will be the use of case control and proportionate mortality analyses, in addition to our traditional retrospective cohort mortality studies, to provide for shorter turnaround times in our studies. Eight epidemiologic studies, with supportive industrial hygiene components, and two industrial hygiene characterization studies are scheduled for completion in FY 1981.

General Research - This area includes studies not covered by other defined areas (e.g., field epidemiologic studies of cardiovascular, neurologic, hepatic, and renal diseases). Three new projects are included and will involve a worker notification/followup evaluation, mortality analyses of labor union records, and a feasibility study on conducting biohazards field research. In addition, the hazard assessment of the electronic components industry that was initiated in FY 1980 will be coordinated with DPSE in regard to their control technology effort in this industry.

Office of Extramural Coordination and Special Projects

The purpose of this program area is to conduct epidemiologic and other research supported by monies transferred to NIOSH through interagency agreements with the Environmental Protection Agency and the National Cancer Institute.

The primary objectives of the NIOSH/EPA program are to (1) determine the qualitative and quantitative effects of energy-related agents (criteria and non-criteria pollutants) on human health, (2) assess the health risks to human population associated with all aspects of energy production and utilization, (3) provide guidance for energy systems-related control and abatement programs to the extent that such programs are dependent upon health effects data, and (4) provide reliable information considered necessary for the establishment of regulations (standards of exposure) for energy-related agents. Projects under this interagency program have been performed in five generic energy areas: fossil energy, synthetic fuels, alternate energy sources, energy conservation, and monitoring/analytical. Each year that the agreement has existed, EPA has transferred approximately \$2.5 million to NIOSH for conducting energy-health research, as well as for developing new instrumentation to monitor exposure to energy-associated toxic agents. Approximately \$15 million has been transferred from EPA to NIOSH to date.

Over the past 5 years, the majority of occupationally related cancer research supported by NIOSH has been the result of an interagency agreement with NCI. This fiscal year, NCI will transfer approximately \$3.5 million to NIOSH under this agreement. Since its inception, NIOSH has received about \$15 million under this program. Cancer research is a very large portion of NIOSH's industrywide studies program within DSHEFS. In addition, the NCI supports a significant portion of the Institute's toxicology research within DBBS. As a result of the interagency program, NIOSH has initiated and/or completed over 65 research projects dealing with a broad spectrum of topics related to cancer in the workplace.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	PY	NPF	TF	\$1000	\$1000	
*****EPIDEMIOLOGY*****												b 1070
												b 1071
DIVISION OF BIOMEDICAL AND BEHAVIORAL SCIENCE												A 1072
												A 1073
1. Neurotoxicity Evaluations of Fumigators (K. Anger 684-8383) (1.0/300.0/325.0)(0.1/17.6/20.1)(100/VOB-bAe-287)	81	83						b c a				AaAehb 1075
												AaAehb 1076
												AaAehb 1077
.1 General Project Administration												AaAehb 1078
a. Submit progress report to Director, DBBS				o	o	o	o					AaAehb 1079
b. Review literature on fumigators				o								AaAehb 1080
c. Complete peer review				o								AaAehb 1081
d. Submit project protocol to Director, DBBS					o							AaAehb 1082
e. Submit protocol to HSRB & OMB					o							AaAehb 1083
f. Contact DSHEFS regarding project cooperation					o							AaAehb 1084
g. Obtain HSRB regarding project cooperation					o							AaAehb 1085
h. Obtain OMB clearance					o							AaAehb 1086
.2 Worksite Evaluations												AaAehb 1087
a. Identify worker groups exposed to methyl bromide					o							AaAehb 1088
b. Initiate worksite tests of methyl bromide workers						o						AaAehb 1089
c. Submit RFC to Director, DBBS							o					AaAehb 1090
d. Submit RFC to OAMS								o				AaAehb 1091
e. Award contract (2Q80)												AaAehb 1092
f. Complete worksite evaluations of methyl bromide workers (2Q82)												AaAehb 1093
g. Identify second fumigant for worksite testing by in- house personnel (2Q82)												AaAehb 1094
h. Identify second fumigant for worksite testing by in- house personnel (2Q82)												AaAehb 1095
i. Initiate worker testing in contract study (3Q82)												AaAehb 1096
j. Initiate worker testing in contract study (3Q82)												AaAehb 1097
k. Initiate worksite tests of second fumigant (in-house personnel) (3Q82)												AaAehb 1098
l. Initiate worksite tests of second fumigant (in-house personnel) (3Q82)												AaAehb 1099
m. Complete worksite testing of second fumigant by in- house personnel (3Q83)												AaAehb 1100
n. Complete worksite testing of second fumigant by in- house personnel (3Q83)												AaAehb 1101
o. Complete contract study of fumigators (4Q83)												AaAehb 1102
p. Submit final project report to Director, DBBS (4Q83)												AaAehb 1103
q. Submit final project report to Director, DBBS (4Q83)												AaAehb 1104
r. Submit abstract to Director, NIOSH (4Q83)												AaAehb 1105

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	O	C	N	NPF	TF	
							G	H	D	PY	\$1000	\$1000
2. Chronic Stress In Office Work (B. Cohen, 684-8386) (1.1/250.0/280.0)(1.1/25.0/55.0)(100/VOB-bXy-286)	81	83					b	b	a			
										AaXyyb	1108	
										AaXyyb	1109	
										AaXyyb	1110	
.1 Report progress to Director, DBBS				o	o	o	o			AaXyyb	1111	
.2 Hold per review				o	o					AaXyyb	1112	
.3 Conference										AaXyyb	1113	
a. Submit RFC to Director, DBBS for 8A contract award				o						AaXyyb	1114	
b. Submit RFC to OAMS					o					AaXyyb	1115	
c. Award contract						o				AaXyyb	1116	
d. Hold conference							o			AaXyyb	1117	
e. Receive conference proceedings (1Q82)								o		AaXyyb	1118	
f. Submit proceedings to Director, DBBS (2Q82)									o	AaXyyb	1119	
g. Submit abstract to Director, NIOSH (2Q82)										AaXyyb	1120	
.4 Health Record Search										AaXyyb	1121	
a. Locate sources of record data					o					AaXyyb	1122	
b. Award fee for services for record search						o				AaXyyb	1123	
c. Extract key information from search							o			AaXyyb	1124	
d. Prepare digest of health record findings (2Q82)										AaXyyb	1125	
.5 Questionnaires Survey										AaXyyb	1126	
a. Formulate draft of questions					o					AaXyyb	1127	
b. Formulate draft of survey & sampling plan						o				AaXyyb	1128	
c. Submit for HSRB & OMB approval							o			AaXyyb	1129	
d. Submit RFC to Director, DBBS (1Q82)								o		AaXyyb	1130	
e. Submit RFC to OAMS (1Q82)										AaXyyb	1131	
f. Obtain HSRB (1Q82)										AaXyyb	1132	
g. Obtain OMB clearance (3Q82)										AaXyyb	1133	
h. Award contract (4Q82)										AaXyyb	1134	
i. Distribute questionnaires (1Q83)										AaXyyb	1135	
j. Receive data from contractor (3Q83)										AaXyyb	1136	
k. Complete data analysis (4Q83)										AaXyyb	1137	
l. Submit final report to Director, DBBS										AaXyyb	1138	
m. Submit abstract to Director, NIOSH (4Q83)										AaXyyb	1139	
										AaXyyb	1140	

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
3. Study of Noise/Hearing in Paperworking Industry (Tubbs 684-8281) (VOG/622-364)(100/VOG-bGf-364)	74	81					b	c	a			
.1 Begin testing of workers (3Q78)											AeGfyb	1143
.2 Inform subjects of hearing tests (1Q79)(1Q80)											AeGfyb	1144
.3 Send summary noise data to union & companies (1Q79)(1Q80)											AeGfyb	1145
.4 Begin data coding (1Q80)											AeGfyb	1146
.5 Submit progress report to Director, DBBS				o	o	o	o				AeGfyb	1147
.6 Initiate critical analysis of noise levels and hearing levels data				o							AeGfyb	1148
.7 Complete data analysis						o					AeGfyb	1149
.8 Initiate drafting of final report						o					AeGfyb	1150
.9 Send draft final report to union and companies						o					AeGfyb	1151
.10 Complete final report and submit to Director, DBBS							o				AeGfyb	1152
.11 Submit final report to participating companies and union							o				AeGfyb	1153
.12 Submit abstract to Director, NIOSH							o				AeGfyb	1154
											AeGfyb	1155
											AeGfyb	1156
											AeGfyb	1157
											AeGfyb	1158
											AeGfyb	1159
											C	1161
											C	1162
4. Pilot Epidemiological/IH Study of Ceramic Workers (Jones W 304-599-7421) (100/VKP-bDu-159)	81	81					b	c	a			
.1 Complete literature review				o							CbDuub	1164
.2 Select segments of industry for walk-through surveys					o						CbDuub	1165
.3 Complete walk-throughs							o				CbDuub	1166
.4 Decide what segments of the industry should be studied. Submit interim report, including referenced review of literature, to Director, DRDS								o			CbDuub	1167
								o			CbDuub	1168
											CbDuub	1169
											CbDuub	1170
											CbDuub	1171
											CbDuub	1172
											CbDuub	1173
											CbDuub	1174
5. Morbidity & IH Study of Fibrous Attapulgite Workers-NCI (Gamble J 304-599-7476) (VKL-C21-237) (0.3/5.0/43.5) (100/VKL-bDg-185)	77	82					b	c	e			
.1 Receive medical data				o							CaDgBb	1177
.2 Complete both industrial hygiene surveys						o					CaDgBb	1178
.3 Edit data for analysis						o					CaDgBb	1179
.4 Analyze data as cross-sectional and prospective study without exposure data							o				CaDgBb	1180
.5 Complete medical report and submit copy to Director, NIOSH with copy of report and abstract to DTS (4Q82)								o			CaDgBb	1181
											CaDgBb	1182
											CaDgBb	1183
											CaDgBb	1184
											CaDgBb	1185
											CaDgBb	1186
											CaDgBb	1187
											CaDgBb	1188

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F			RESOURCES	
	I	C	1Q	2Q	3Q	4Q	RE U	NPF	TF
							O C N	PY	\$1000
							G H D		
9. Prospective EPI & IH Study of New & Ex-coal Miners (Hankinson J 304-599-7755) (VKH-R22-163) (2.1/30.0/55.0) (100/VKH-bpD-214)	77	82					b c b		
.1 Complete second round of follow-up studies (12 months)				o				CcpDDb	1242
.2 Complete third round of follow-up (18 months)						o		CcpDDb	1243
.3 Complete fourth round of follow-up studies (24 months) (2Q82)								CcpDDb	1244
.4 Complete all data collection (2Q82)								CcpDDb	1245
.5 Complete data analysis (4Q82)								CcpDDb	1246
.6 Complete final report and submit to Director, NIOSH with copy of report and abstract to DTS (4Q82)								CcpDDb	1247
								CcpDDb	1248
								CcpDDb	1249
								CcpDDb	1250
								CcpDDb	1251
								CcpDDb	1252
								CcpDDb	1253
								CcpDDb	1254
								CcpDDb	1255
								CcpDDb	1256
10. Morbidity and IH Study of Cement Workers (Abrons H 304-599-7755) (VKH-R22-193) (1.5/17.0/57.9) (100/VKH-bpD-215)	78	82					b b a		
.1 Complete procurement of contracts for collection of medical data				o				CcpDDb	1259
.2 Train contractor personnel				o				CcpDDb	1260
.3 Complete revision of IH sampling protocol				o				CcpDDb	1261
.4 Initiate medical and IH field studies					o			CcpDDb	1262
.5 Complete IH studies at cement plants (13)					3	8	13	CcpDDb	1263
.6 Complete medical studies at cement and control plants (15)					5	10	15	CcpDDb	1264
.7 Submit interim report on IH							o	CcpDDb	1265
.8 Complete IH studies at 16 control plants (1Q82)								CcpDDb	1266
.9 Complete data analysis (2Q82)								CcpDDb	1267
.10 Complete final report and submit copy to Director, NIOSH, with copy of report and abstract to DTS (3Q82)								CcpDDb	1268
								CcpDDb	1269
								CcpDDb	1270
								CcpDDb	1271
								CcpDDb	1272
								CcpDDb	1273
								CcpDDb	1274
								CcpDDb	1275
								CcpDDb	1276

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
11. Environmental, Morbidity, and Mortality Study of Vermiculite Workers (Kennedy K; Banks D 304-599-7476) (1.0/15.0/42.0) (1.0/10.0/40.0) (100/VKL-bDp-196)	81	83					b	g	a			
.1 Complete walk-through of vermiculite mine and mill					o						CaDpgb	1279
.2 Complete medical/environmental study at vermiculite mine and mill						o					CaDpgb	1280
.3 Collect mortality data from company records							o				CaDpgb	1281
.4 Complete walk-through of control facility (1Q82)								o			CaDpgb	1282
.5 Complete medical/environmental study at control facility (2Q82)									o		CaDpgb	1283
.6 Complete fiber analysis of vermiculite ore and airborne samples (2Q82)				o							CaDpgb	1284
.7 Complete analysis of morbidity data (3Q82)									o		CaDpgb	1285
.8 Complete preliminary report: morbidity and environmental study (2Q82)										o	CaDpgb	1286
.9 Complete mortality analysis (3Q83)											CaDpgb	1287
.10 Complete final report and submit abstract to Director, NIOSH, and copy of report and abstract to DTS (4Q83)											CaDpgb	1288
											CaDpgb	1289
											CaDpgb	1290
					o						CaDpgb	1291
											CaDpgb	1292
											CaDpgb	1293
											CaDpgb	1294
											CaDpgb	1295
											CaDpgb	1296
											CaDpgb	1297
											CaDpgb	1298
											CaDpgb	1299
											CaDpgb	1300
12. Mortality Study of Diesel Engine Mechanics (100/VKL-bpB-193) (VKL-R22-228) (Costello J x7476)	79	81					b	b	a			
.1 Negotiate with Machinists Union to expand cohort					o						CapByb	1303
.2 Complete data collection for expanded cohort						o					CapByb	1304
.3 Complete coding and data analysis							o				CapByb	1305
.4 Complete final report and submit abstract to Director, NIOSH								o			CapByb	1306
											CapByb	1307
											CapByb	1308
											CapByb	1309
											CapByb	1310
											CapByb	1311
											CapByb	1312
13. IH & Mortality Study of Crushed Stone Workers (Costello J 304-599-7476) (VKL-M21-908) (0.5/10.0/25.0) (100/VKL-bpB-186)	79	82					b	g	a			
.1 Complete data analysis (mortality)											CapBub	1315
.2 Finish field research and submit data to UBTL (IH)											CapBub	1316
.3 Write mortality analysis											CapBub	1317
.4 Complete interim IH report for Director, DRDS											CapBub	1318
.5 Receive IH data back from UBTL (1Q82)											CapBub	1319
.6 Complete computer analysis of IH data (2Q82)									o		CapBub	1320
.7 Complete final report and submit abstract to Director, NIOSH, with copy of report and abstract to DTS (4Q82)									o		CapBub	1321
											CapBub	1322
											CapBub	1323
											CapBub	1324
											CapBub	1325
											CapBub	1326
											CapBub	1327
											CapBub	1328

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
14. Comparison of Two Morbidity Studies of Metal Mines (Attfield M 304-599-7501) (100/VKL-bpD-187)	81	81					b	c	d			
.1 Complete analysis					o							CapDvb 1331
.2 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS						o						CapDvb 1332
												CapDvb 1333
												CapDvb 1334
												CapDvb 1335
												CapDvb 1336
												CapDvb 1337
15. Case Control Study of GI Cancer Among Coal Miners (Ames R 304-599-7476) (100/VKL-bpB-190)	81	81					b	c	b			CapBib 1340
.1 Finish detailed plan for both retrospective studies			o									CapBib 1341
.2 Finish write-up of comparisons of the prevalences among coal miners and other blue collar workers of stomach cancers, other digestive system cancers, and respiratory cancers				o								CapBib 1342
.3 Finish write-up comparing series of stomach cancer deaths of coal miners with 4 other series of coal miner deaths from other causes							o					CapBib 1343
.4 Complete final report and submit abstract to Director, NIOSH with copy and abstract to DTS							o					CapBib 1344
												CapBib 1345
												CapBib 1346
												CapBib 1347
												CapBib 1348
												CapBib 1349
												CapBib 1350
												CapBib 1351
												CapBib 1352
												CapBib 1353
												CapBib 1354
16. Third Round National Coal Study (Attfield M 304-599-7501) (VKL-R22-183) (5.0/80.0/215.0) (100/VKL-bpD-183) (Attfield M x7501)	77	82					b	c	b			CapDib 1357
.1 Complete mortality searches and data editing					o							CapDib 1358
.2 Complete mortality analysis						o						CapDib 1359
.3 Complete report from mortality follow-up, 1969-1977, NCS-1 (2Q82)												CapDib 1360
.4 Complete visits and examinations at remaining mines			4	8	12	16						CapDib 1361
.5 Complete film reading (2Q82)												CapDib 1362
.6 Complete data editing (2Q82)												CapDib 1363
.7 Complete analysis (3Q82)												CapDib 1364
.8 Complete final report and submit abstract to Director, NIOSH, with copy of all reports and abstracts (4Q82)												CapDib 1365
												CapDib 1366
												CapDib 1367
												CapDib 1368
												CapDib 1369
												CapDib 1370
												CapDib 1371
												CapDib 1372
												CapDib 1373

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES	
	I	C	1Q	2Q	3Q	4Q	PY	NPF	TF	\$1000	\$1000
17. Cement Mortality Study (Attfield M 304-599-7501) (VKL-M22-256) (0.7/23.0/42.4) (100/VKL-bDp-192)	79	82					b c a				
.1 Transcribe, code, keypunch data				o						CaDpBb	1376
.2 Check file completeness				o						CaDpBb	1377
.3 Follow-up; vital status determined from PM, SS, IRS				o	o	o	o			CaDpBb	1378
.4 Complete death certificates coding, (1Q82)				o	o	o	o			CaDpBb	1379
.5 Complete analysis (3Q82)										CaDpBb	1380
.6 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS (4Q82)										CaDpBb	1381
										CaDpBb	1382
										CaDpBb	1383
										CaDpBb	1384
										CaDpBb	1385
										CaDpBb	1386
										CaDpBb	1387
										CaDpBb	1388
										CaDpBb	1389
										CaDpBb	1390
18. Morbidity and Mortality Among Chrysotile Asbestos Textile Workers (Dement J; Vallyathan V 304-599-7474) (100/VKC-bDg-133)	81	81					b c a				
.1 Complete autopsy case identification				o						CdDggb	1393
.2 Complete x-ray protocol/SPRG review				o						CdDggb	1394
.3 Receive all tissue samples					o					CdDggb	1395
.4 Complete pilot reading trial and modify protocol				o						CdDggb	1396
.5 Complete light microscopic (LM) pathology description					o					CdDggb	1397
.6 Complete x-ray readings by "B" readers					o					CdDggb	1398
.7 Complete LM tissue analyses						o				CdDggb	1399
.8 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS							o			CdDggb	1400
										CdDggb	1401
										CdDggb	1402
										CdDggb	1403
										CdDggb	1404
										CdDggb	1405
										CdDggb	1406
										CdDggb	1407
DIVISION OF SURVEILLANCE, HAZARD EVALUATIONS, AND FIELD STUDIES											
19. Mortality and Industrial Hygiene Study of Shipyard Workers Exposed to Radiation (Bob Rinsky - 513-684-2761) (100/VMH-baB-542)	79	81					b c a				
.1 Submit IA's for NPRC (IA 81-) and OPM (IA 80-25) follow-up to OPPE.					o					DbaBBb	1412
.2 Award IA's.						o				DbaBBb	1413
.3 Complete job history coding for selected case control studies.				o						DbaBBb	1414
.4 Initiate series of case control studies.					o					DbaBBb	1415
.5 Complete case control analysis.						o				DbaBBb	1416
.6 Complete case control study and transmit abstract to Director, NIOSH and copy to DTS.							o			DbaBBb	1417
										DbaBBb	1418
										DbaBBb	1419
										DbaBBb	1420
										DbaBBb	1421
										DbaBBb	1422
										DbaBBb	1423
										DbaBBb	1424
										DbaBBb	1425

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
20. Mortality and Industrial Hygiene Study of a Uranium Enrichment Facility (David Brown 513-684-2761) (2.9/125.0/192.0)(100/VMH-baB-546)	81	82					b	c	a			
.1 Initiate coding of death certificates			o								Dbabib	1428
.2 Complete acquisition of 70% of death certificates.				o							Dbabib	1429
.3 Complete industrial hygiene surveys.						o					Dbabib	1430
.4 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (3Q82).											Dbabib	1431
											Dbabib	1432
											Dbabib	1433
											Dbabib	1434
											Dbabib	1435
											Dbabib	1436
											Dbabib	1437
											Dbabib	1438
											Dbabib	1439
21. Biological Hazards in the Workplace (Larry Elliott 513-684-3255) (100/VMH-bdd-575)	81	81					b	c	a			
.1 Complete literature review.			o								Dbdddb	1442
.2 Complete peer and tripartite review.				o							Dbdddb	1443
.3 Complete walk-through surveys.					o						Dbdddb	1444
.4 Complete final report and transmit abstract to Director, NIOSH and copy to DTS.						o					Dbdddb	1445
											Dbdddb	1446
											Dbdddb	1447
											Dbdddb	1448
											Dbdddb	1449
											Dbdddb	1450
22. Industrial Hygiene Study of Petroleum Refineries (Clint Cox 513-684-3255) (100/VMH-bij-572)	78	81					b	b	a			
.1 Complete final report (210-78-0082) and transmit abstract to Director, NIOSH and copy to DTS.			o								DbijCb	1453
											DbijCb	1454
											DbijCb	1455
											DbijCb	1456
											DbijCb	1457
											DbijCb	1458
											DbijCb	1459
23. Industrial Hygiene Characterization of Petroleum Refinery Turnarounds (Clint Cox 513-684-3255) (0.2/10.0/15.0)(100/VMH-bij-555)	80	82					b	c	a			
.1 Complete tripartite meeting.			o								DbijBb	1462
.2 Select plants for survey.				o							DbijBb	1463
.3 Initiate industrial hygiene surveys.					o						DbijBb	1464
.4 Complete three industrial hygiene surveys.						o					DbijBb	1465
.5 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (2Q82).											DbijBb	1466
											DbijBb	1467
											DbijBb	1468
											DbijBb	1469
											DbijBb	1470
											DbijBb	1471
											DbijBb	1472

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES	
	I	C	1Q	2Q	3Q	4Q	G H D	PY	NPF TF
								\$1000	\$1000
32. Industrial Hygiene Characterization of the Tanning Industry (Ken Wallingford 513-684-3255) (0.5/10.0/22.0)(100/VMH-bBn-562)	81	82					b c a		
.1 Complete tripartite review.				o					DbBnyb 1569
.2 Select plants for indepth study.					o				DbBnyb 1570
.3 Complete detailed industrial hygiene assessments.						o			DbBnyb 1571
.4 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (2Q82).									DbBnyb 1572
									DbBnyb 1573
									DbBnyb 1574
									DbBnyb 1575
									DbBnyb 1576
									DbBnyb 1577
									DbBnyb 1578
33. Mortality Study of Workers Exposed to Dyes (NCI) (Marie Haring 513-684-2761) (0.1/5.0/7.0)(100/VMH-bBr-608)	79	82					b c e		
.1 Complete Social Security vital status follow-up.				o					DbBrtb 1581
.2 Complete 90% vital status follow-up.					o				DbBrtb 1582
.3 Complete acquisition of 93% of death certificates.						o			DbBrtb 1583
.4 Complete data analysis.							o		DbBrtb 1584
.5 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (1Q82).									DbBrtb 1585
									DbBrtb 1586
									DbBrtb 1587
									DbBrtb 1588
									DbBrtb 1589
									DbBrtb 1590
									DbBrtb 1591
34. Mortality and Industrial Hygiene Study of Leather Industry Workers (NCI) (Frank Stern 513-684-2761) (2.3/50.0/103.0)(100/VMH-bBr-603)	79	82					b c e		
.1 Complete industrial hygiene assessments.				o					DbBrtb 1594
.2 Initiate acquisition of death certificates.					o				DbBrtb 1595
.3 Complete industrial hygiene survey reports.						o			DbBrtb 1596
.4 Complete 90% vital status follow-up.							o		DbBrtb 1597
.5 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (4Q82).									DbBrtb 1598
									DbBrtb 1599
									DbBrtb 1600
									DbBrtb 1601
									DbBrtb 1602
									DbBrtb 1603
									DbBrtb 1604
35. Mortality, Medical and Industrial Hygiene Study of Workers Exposed to Wood Preservatives (Dave Brown - 513-684-2761) (1.7/20.0/60.0)(VMH-bBs-545)	80	82					b c a		
.1 Complete pilot medical study.				o					DbBsnb 1607
.2 Determine if feasible to conduct medical study.*					o				DbBsnb 1608
.3 Complete review of PCP results for mortality study.				o					DbBsnb 1609
.4 Determine if feasible to conduct mortality study.*					o				DbBsnb 1610
									DbBsnb 1611
									DbBsnb 1612
									DbBsnb 1613
									DbBsnb 1614
									DbBsnb 1615
									DbBsnb 1616
* If study is feasible, milestones will be developed at end of second quarter, FY'81.									DbBsnb 1617
									DbBsnb 1618

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N				RESOURCES			
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
36. Mortality and Industrial Hygiene Study of New Agents-III (NCI) (Jim Oser 513-684-3255) (0.3/15.0/22.0)(100/VMH-bBs-602)	78	82					b	b	e			
.1 Complete final report on wood preservatives and transmit abstract to Director, NIOSH and copy to DTS (210-78-0060).				o								DbBsnb 1621
.2 Complete final report on paraquat and transmit abstract to Director, NIOSH and copy to DTS.					o							DbBsnb 1622
.3 Complete protocol for welding in shipyards.						o						DbBsnb 1623
.4 Complete final report on welding in shipyards and transmit abstract to Director, NIOSH and copy to DTS (3Q82).												DbBsnb 1624
												DbBsnb 1625
												DbBsnb 1626
												DbBsnb 1627
												DbBsnb 1628
												DbBsnb 1629
												DbBsnb 1630
												DbBsnb 1631
												DbBsnb 1632
												DbBsnb 1633
												DbBsnb 1634
37. Mortality and Industrial Hygiene Study of Automotive Wood Die and Model Makers (Cindy Robinson 513-684-2761) (2.0/50.0/96.0)(2.0/50.0/96.0)(100/VMH-bBs-568)	81	83					b	c	a			
.1 Complete computer indexing.				o								DbBsyb 1637
.2 Complete industrial hygiene survey reports.					o							DbBsyb 1638
.3 Complete industrial hygiene composite report.						o						DbBsyb 1639
.4 Initiate acquisition of death certificates.							o					DbBsyb 1640
.5 Complete coding of work histories (4Q82).								o				DbBsyb 1641
.6 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (3Q83).												DbBsyb 1642
												DbBsyb 1643
												DbBsyb 1644
												DbBsyb 1645
												DbBsyb 1646
												DbBsyb 1647
												DbBsyb 1648
38. Industrial Hygiene Study of Workers Exposed to Nitrosamines (NCI) (John Fajan 513-684-3255) (1.0/20.0/43.0)(100/VMH-bBt-598)	78	82					b	b	e			
.1 Complete final reports (210-77-0100) for previous fiscal year's industrial hygiene surveys and transmit abstract to Director, NIOSH and copy to DTS.				o								DbBtkb 1651
.2 Submit RFC for "new" contract to OAMS.				o								DbBtkb 1652
.3 Award contract (210-81-5101)					o							DbBtkb 1653
.4 Complete final report on "new" surveys and transmit copy to Director, NIOSH and copy to DTS (4Q82).						o						DbBtkb 1654
												DbBtkb 1655
												DbBtkb 1656
												DbBtkb 1657
												DbBtkb 1658
												DbBtkb 1659
												DbBtkb 1660
												DbBtkb 1661
												DbBtkb 1662

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
39. Mortality and Industrial Hygiene Study of Workers Exposed to Tetra Ethyl Lead (Marie Haring 513-684-2761) (0.9/20.0/41.0)(0.9/20.0/41.0)(100/VMH-bBt-548)	80	83					b	c	a			
.1 Initiate coding of demographic information.			o								DbBtjb	1665
.2 Initiate vital status follow-up through Social Security.				o							DbBtjb	1666
.3 Complete Social Security follow-up.						o					DbBtjb	1667
.4 Complete acquisition of death certificates (4Q82).											DbBtjb	1668
.5 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (3Q83).											DbBtjb	1669
											DbBtjb	1670
											DbBtjb	1671
											DbBtjb	1672
											DbBtjb	1673
											DbBtjb	1674
											DbBtjb	1675
40. Mortality Study of Chemical Plant in Kanawa Valley, W.Va. (NCI) (Terry Leet 513-684-2761) (0.6/60.0/74.0)(0.3/30.0/37.0)(100/VMH-bBt-605)	80	83					b	c	e			
.1 Complete coding of demographic and work history data.					o						DbBtkb	1678
.2 Initiate death certificate acquisition.						o					DbBtkb	1679
.3 Complete first series of case control studies (4Q82).											DbBtkb	1680
.4 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (2Q83).											DbBtkb	1681
											DbBtkb	1682
											DbBtkb	1683
											DbBtkb	1684
											DbBtkb	1685
											DbBtkb	1686
											DbBtkb	1687
41. Industrial Hygiene Study of New Agents-IV (Jim Oser 513-684-3255) (0.1/5.0/7.0)(0.1/5.0/7.0)(0.1/5.0/7.0)(100/VMH-bBt-554)	81	84					b	b	a			
.1 Complete peer review.			o								DbBtyb	1690
.2 Submit RFC to OAMS (210-81-5104)				o							DbBtyb	1691
.3 Award contract.						o					DbBtyb	1692
.4 Complete final report for first agent and transmit abstract to Director, NIOSH and copy to DTS (4Q82).											DbBtyb	1693
.5 Complete final report for second agent and transmit abstract to Director, NIOSH and copy to DTS (4Q83).											DbBtyb	1694
.6 Complete final report for third agent and transmit abstract to Director, NIOSH and copy to DTS (4Q84).											DbBtyb	1695
											DbBtyb	1696
											DbBtyb	1697
											DbBtyb	1698
											DbBtyb	1699
											DbBtyb	1700
											DbBtyb	1701
											DbBtyb	1702
											DbBtyb	1703

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
42. Mortality and Industrial Hygiene Study of Formaldehyde (Larry Elliott 513-684-3522) (2.0/50.0/96.0)(2.0/50.0/96.0)(100/VMH-bBt-576)	81	83					b	c	a			
.1 Complete walk-through surveys.			o								DbBtrb	1706
.2 Complete detailed study protocol.				o							DbBtrb	1707
.3 Complete peer review.					o						DbBtrb	1708
.4 Initiate microfilming of personnel records.						o					DbBtrb	1709
.5 Complete data analysis for mortality study (4Q82).							o				DbBtrb	1710
.6 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (1Q83).								o			DbBtrb	1711
											DbBtrb	1712
											DbBtrb	1713
											DbBtrb	1714
											DbBtrb	1715
											DbBtrb	1716
											DbBtrb	1717
43. Exposure Characterization of Azo Dyes (Mark Boeniger 513-684-3593) (100/VMH-bBt-570)	81	81					b	c	a			
.1 Complete study protocol.			o								DbBtyb	1720
.2 Complete sampling surveys.					o						DbBtyb	1721
.3 Complete final report and transmit abstract to Director, NIOSH and copy to DTS.						o					DbBtyb	1722
											DbBtyb	1723
											DbBtyb	1724
											DbBtyb	1725
											DbBtyb	1726
											DbBtyb	1727
											DbBtyb	1728
44. Mortality Study of Increased Incidence of Tumors in Texas City, Texas (Sandy Leffingwell - 513-684-3593) (100/VMH-bBB-544)	80	81					b	c	a			
.1 Complete case control and industrial hygiene studies.			o								DbBBtb	1731
.2 Initiate case-control study of lymphomas.			o								DbBBtb	1732
.3 Complete cohort mortality study.				o							DbBBtb	1733
.4 Complete report on case-control study of lymphomas.					o						DbBBtb	1734
.5 Complete final project reports and transmit abstract to Director, NIOSH and copy to DTS.						o					DbBBtb	1735
											DbBBtb	1736
											DbBBtb	1737
											DbBBtb	1738
											DbBBtb	1739
											DbBBtb	1740
											DbBBtb	1741
45. Mortality Study of Workers in the Plywood, Paper and Pulp Industry (NCI) (Cindy Robinson 513-684-2761) (100/VMH-bBB-597)	76	81					b	b	e			
.1 Initiate data analysis.				o							DbBBsb	1744
.2 Complete data analysis.					o						DbBBsb	1745
.3 Complete final report and transmit abstract to Director, NIOSH and copy to DTS.						o					DbBBsb	1746
											DbBBsb	1747
											DbBBsb	1748
											DbBBsb	1749
											DbBBsb	1750
											DbBBsb	1751
											DbBBsb	1752

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F R E U O C N G H D	PY	RESOURCES	
				1Q	2Q	3Q	4Q			NPF	TF
										\$1000	\$1000
46. Medical, Biometric and Industrial Hygiene Study of Emerging Problems (Bill Halperin - 513-684-3593) (13.0/250.0/551.0)(100/VMH-bBC-543)	80		C					b c a			
.1 Respond to emerging problems.				5	10	15	20				D6BCNb 1755
.2 Complete reports on actions to date and close out file.				1	3	4	5				D6BCNb 1756
.3 Recommend that additional study is needed and initiate action.				1	2	3	4				D6BCNb 1757
											D6BCNb 1758
											D6BCNb 1759
											D6BCNb 1760
											D6BCNb 1761
											D6BCNb 1762
											D6BCNb 1763
											D6BCNb 1764
47. Epidemiologic Methods Development (Jay Beaumont-513-684-2761) (0.2/10.0/15.0)(100/VMH-bBC-547)	80		82					b c a			D6BCHb 1767
.1 Complete expansion of master file format if not finished in FY'80.				o							D6BCHb 1768
.2 Complete refinement of blue collar standard rates.				o							D6BCHb 1769
.3 Complete demographic statistics for interactive programs.						o					D6BCHb 1770
.4 Complete development of version E.						o					D6BCHb 1771
.5 Complete final report on FY'81 activities and transmit abstract to Director, NIOSH and copy to DTS (1Q82).											D6BCHb 1772
											D6BCHb 1773
											D6BCHb 1774
											D6BCHb 1775
											D6BCHb 1776
											D6BCHb 1777
48. Mortality and Industrial Hygiene Study of Aluminum Reduction Workers (Dave Brown - 513-684-2761) (100/VMH-bBD-563)	76		81					b c a			D6BDvb 1780
.1 Complete individual industrial hygiene reports				o							D6BDvb 1781
.2 Complete composite industrial hygiene report and transmit abstract to Director, NIOSH and copy to DTS.						o					D6BDvb 1782
.3 Complete case control analysis.						o					D6BDvb 1783
.4 Complete case control final report and transmit abstract to Director, NIOSH and copy to DTS.						o					D6BDvb 1784
											D6BDvb 1785
											D6BDvb 1786
											D6BDvb 1787
											D6BDvb 1788
											D6BDvb 1789
											D6BDvb 1790
											D6BDvb 1791

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
49. Mortality, Medical and Industrial Hygiene Study of Painting Trades (NCI) (Dennis Zaebst 513-684-3255) (0.6/10.0/24.0)(0.6/10.0/24.0)(0.6/10.0/24.0)(100/VMH-bBD-599)	75	84					b	b	e			
.1 Receive from contractor (210-77-0096) detailed protocol for mortality and industrial hygiene studies.				o							D6BDHb	1794
.2 Complete HSRB and OMB submissions for medical study.					o						D6BDHb	1795
.3 Initiate mortality study.						o					D6BDHb	1796
.4 Initiate medical study.							o				D6BDHb	1797
.5 Complete industrial hygiene and medical studies (4Q82).											D6BDHb	1798
.6 Complete mortality study (4Q83).											D6BDHb	1799
.7 Complete final reports and transmit abstract to Director, NIOSH and copy to DTS (2Q84).											D6BDHb	1800
											D6BDHb	1801
											D6BDHb	1802
											D6BDHb	1803
											D6BDHb	1804
											D6BDHb	1805
											D6BDHb	1806
											D6BDHb	1807
50. Mortality and Industrial Hygiene Study of Fuelman (Marie Haring 513-684-2761) (1.6/20.0/57.0)(100/VMH-bBH-549)	80	82					b	c	a			
.1 Initiate acquisition of death certificates.				o							D6BHJb	1810
.2 Initiate coding of death certificate information.					o						D6BHJb	1811
.3 Complete 90% vital status follow-up.								o			D6BHJb	1812
.4 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (4Q82).											D6BHJb	1813
											D6BHJb	1814
											D6BHJb	1815
											D6BHJb	1816
											D6BHJb	1817
											D6BHJb	1818
											D6BHJb	1819
51. Mortality Analysis of UAW Cohorts (NCI) (John Whalen 513-684-3593) (0.2/10.0/16.0)(0.1/10.0/13.0)(100/VMH-bBX-607)	81	83					b	b	e			
.1 Award contract (210-81-5104). (RFC submitted in FY'80.)				o							D6BXXb	1822
.2 Access requests from union members.					o						D6BXXb	1823
.3 Complete protocols for PMR's.						o					D6BXXb	1824
.4 Complete coding of death certificates for PMR's (4Q82).											D6BXXb	1825
.5 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (1Q83).											D6BXXb	1826
											D6BXXb	1827
											D6BXXb	1828
											D6BXXb	1829
											D6BXXb	1830
											D6BXXb	1831
											D6BXXb	1832
52. Worker Notification Pilot Program (Jim Melius 513-684-2176) (0.2/4.0/9.0)(100/VHC-bBX-687)	81	82					b	c	a			
.1 Complete medical examinations and urine cytologies.				o							DaBXXb	1835
.2 Complete follow-up questionnaire and interview survey.						o					DaBXXb	1836
.3 Complete initial report.								o			DaBXXb	1837
.4 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (4Q82).											DaBXXb	1838
											DaBXXb	1839
											DaBXXb	1840
											DaBXXb	1841
											DaBXXb	1842
											DaBXXb	1843
											DaBXXb	1844

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
53. Reproductive and Industrial Hygiene Study of Workers Exposed to Microwave and Radiofrequency Energy (Clint Cox 513-684-3255) (2.1/80.0/129.0)(100/VMH-bCa-595)	78	82							b c a			
.1 Complete microfilming of records				o								DbCaab 1847
.2 Submit task order for interview services (210-78-0080) to OAMS.			o									DbCaab 1848
.3 Award task order.				o								DbCaab 1849
.4 Initiate interviewing of study members.					o							DbCaab 1850
.5 Complete industrial hygiene report.					o							DbCaab 1851
.6 Complete interviewing of study members.						o						DbCaab 1852
.7 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (4Q82).							o					DbCaab 1853
												DbCaab 1854
												DbCaab 1855
												DbCaab 1856
												DbCaab 1857
												DbCaab 1858
												DbCaab 1859
												DbCaab 1860
												DbCaab 1861
54. Cytogenetic Epidemiologic Studies (Sandy Leffingwell 513-684-3593) (1.5/50.0/85.0)(100/VMH-bCa-565)	80	82							b b a			DbCaab 1864
Pharmacists												DbCaab 1865
.1 Complete specimen collection.			o									DbCaab 1866
.2 Initiate data analysis.				o								DbCaab 1867
.3 Initiate preparation of final report.					o							DbCaab 1868
.4 Complete final report and transmit abstract to Director, NIOSH and copy to DTS.						o						DbCaab 1869
												DbCaab 1870
												DbCaab 1871
												DbCaab 1872
												DbCaab 1873
												DbCaab 1874
												DbCaab 1875
												DbCaab 1876
												DbCaab 1877
.1 Determine if feasible to conduct study and negotiate laboratory services.* (Submit RFC to OAMS 210-81-5005)			o									DbCaab 1878
												DbCaab 1879
												DbCaab 1880
* Remaining milestones will be added after these decisions are made.												DbCaab 1881
												DbCaab 1882
												DbCaab 1883
55. Reproductive History Study of Pharmaceutical Workers (Cindy Robinson 513-684-2761) (0.2/10.0/15.0)(100/VMH-bCt-564)	78	81							b c a			DbCttb 1886
.1 Complete coding of questionnaire data.			o									DbCttb 1887
.2 Complete acquisition of medical records.					o							DbCttb 1888
.3 Complete data analysis.						o						DbCttb 1889
.4 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (4Q81).							o					DbCttb 1890
												DbCttb 1891
												DbCttb 1892
												DbCttb 1893
												DbCttb 1894
												DbCttb 1895

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
			\$1000	\$1000	\$1000	\$1000						
59. Mortality and Industrial Hygiene Study of Workers Exposed to Nitroglycerin (Gordon Reeve 513-684-2761) (1.0/50.0/73.0)(100/VMH-bHt-557)	80	82					b	c	a			
.1 Initiate vital status follow-up.			o									DbHttb 1947
.2 Complete demographic and work history coding.					o							DbHttb 1948
.3 Complete vital status follow-up.									o			DbHttb 1949
.4 Initiate master file preparation.									o			DbHttb 1950
.5 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (3Q82).												DbHttb 1951
												DbHttb 1952
												DbHttb 1953
												DbHttb 1954
												DbHttb 1955
												DbHttb 1956
												DbHttb 1957
												DbHttb 1958
60. Mortality and Industrial Hygiene Study of Workers Exposed to Carbon Monoxide (Frank Stern 513-684-2761) (1.5/45.0/80.0)(0.5/10.0/22.0)(100/VMH-bHy-558)	80	83					b	c	a			
.1 Initiate computer indexing of demographic data.			o									DbHyvb 1961
.2 Initiate coding of demographic data.				o								DbHyvb 1962
.3 Initiate vital status follow-up.					o							DbHyvb 1963
.4 Complete industrial hygiene report.									o			DbHyvb 1964
.5 Complete mortality data analysis (4Q82).												DbHyvb 1965
.6 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (3Q83).												DbHyvb 1966
												DbHyvb 1967
												DbHyvb 1968
												DbHyvb 1969
												DbHyvb 1970
												DbHyvb 1971
												DbHyvb 1972
												DbHyvb 1973
61. Medical, Reproductive and Industrial Hygiene Study of Health Effects of Exposure to Carbon Disulfide (Sandy Leffingwell 513-684-3593) (1.5/40.0/75.0)(100/VMH-bXt-569)	79	82					b	c	a			
.1 Complete industrial hygiene reports.			o									DbXthb 1976
.2 Complete protocol for medical follow-up studies.			o									DbXthb 1977
.3 Initiate reproductive data analysis.			o									DbXthb 1978
.4 Submit protocol to HSRB for follow-up medical study.				o								DbXthb 1979
.5 Complete data analysis for reproductive study.					o							DbXthb 1980
.6 Complete final report for reproductive study and transmit abstract to Director, NIOSH and copy to DTS.									o			DbXthb 1981
.7 Complete final report for follow-up medical study and transmit abstract to Director, NIOSH and copy to DTS (2Q82).												DbXthb 1982
												DbXthb 1983
												DbXthb 1984
												DbXthb 1985
												DbXthb 1986
												DbXthb 1987
												DbXthb 1988
												DbXthb 1989
												DbXthb 1990
												DbXthb 1991

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				O	C	N	P	M	F	RESOURCES					
				1Q	2Q	3Q	4Q							G	H	D	PY	NPF	TF
62. Case Control Study of Goodpasture's Syndrome (Gordon Reeve 513-684-2761) (1.2/30.0/58.9)(0.1/5.0/7.0)(100/VMH-bXh-559)	80	83																	
.1 Complete peer and HSRB approval.															DbXhtb 1994				
.2 Initiate design of master file.															DbXhtb 1995				
.3 Submit RFC to OAMS (210-81-5003).															DbXhtb 1996				
.4 Award contract.															DbXhtb 1997				
.5 Initiate entry of case data to master file.															DbXhtb 1998				
.6 Complete data collection (3Q82).															DbXhtb 1999				
.7 Complete final report and transmit abstract to Director, NIOSH and copy to DTS (1Q83).															DbXhtb 2000				
															DbXhtb 2001				
															DbXhtb 2002				
															DbXhtb 2003				
															DbXhtb 2004				
															DbXhtb 2005				
															DbXhtb 2006				
															E 2008				
															E 2009				
DIVISION OF SAFETY RESEARCH																			
63. Epidemiological Investigations of Lathe Injuries Cleveland 923-7576 (.9/34000/56950) (100/VLB-bbN-808)	81	82																	
.1 Negotiate and award contract															EabNmb 2011				
.2 Evaluate contractor's project timetable															EabNmb 2012				
.3 Evaluate results of NEISS system for selecting cases for project															EabNmb 2013				
.4 Develop interview questionnaire															EabNmb 2014				
.5 Develop consent form to comply with Privacy Act															EabNmb 2015				
.6 Obtain OMB approval on interview questionnaire															EabNmb 2016				
.7 Pretest interview questionnaire on 9 subjects															EabNmb 2017				
.8 Develop selection criteria for matching comparison subjects															EabNmb 2018				
.9 Begin 175 accident investigations															EabNmb 2019				
.10 After 175 investigations, evaluate status of data qualitatively and quantitatively to determine whether modifications are necessary (2Q82)															EabNmb 2020				
.11 Analyze 175 investigations--Prepare interim report (2Q82)															EabNmb 2021				
.12 Begin second 175 accident investigations (3Q82)															EabNmb 2022				
.13 Analyze all data and prepare final draft of report (4Q82)															EabNmb 2023				
.14 Hold seminar on project results internally (4Q82)															EabNmb 2024				
															EabNmb 2025				
															EabNmb 2026				
															EabNmb 2027				
															EabNmb 2028				
															EabNmb 2029				
															EabNmb 2030				
															EabNmb 2031				
															EabNmb 2032				
															EabNmb 2033				

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F			RESOURCES						
				1Q	2Q	3Q	4Q	O	C	N	NPF	TF					
				G	H	D	PY	\$1000	\$1000								
64. Epidemiological Investigation of Falls from Ladders (Gustin) (.9/33000/55950) (100/VLB-bbq-812)	81	83						b	b	a			EabqNb	2036			
.1 Award contract				o									EabqNb	2037			
.2 Conduct one month NEISS trial run				o									EabqNb	2038			
.3 Develop contingency plans for accessing inscope accidents				o									EabqNb	2039			
.4 Develop investigation procedure, to include revised AIM questionnaire					o								EabqNb	2040			
.5 Pretest revised questionnaire					3	9							EabqNb	2041			
.6 Develop in-scope devinition					o								EabqNb	2042			
.7 Approve Phase I report						o							EabqNb	2043			
.8 Submit OMB clearance documentation						o							EabqNb	2044			
.9 Formulate statistical and analytical techniques for application to data							o						EabqNb	2045			
.10 Initiate NEISS case finding program (1Q82)													EabqNb	2046			
.11 Conduct 175 investigations (Phase I)(2Q82)													EabqNb	2047			
.12 Analyze data from Phase I (3Q82)													EabqNb	2048			
.13 Receive and approval Phase II report (4Q82)													EabqNb	2049			
.14 Conduct second 175 investigations - Phase II (4Q82)													EabqNb	2050			
.15 Analyze Phase II data (2Q83)													EabqNb	2051			
OFFICE OF EXTRAMURAL COORDINATION AND SPECIAL PROJECTS													F	2052			
													F	2053			
													F	2054			
65. NIOSH/EPA:NIOSH/NCI Interagency Energy/Cancer Research Agreements (Harris, 443-6377) (VCA-100-012) (1.2/0.035/0.085) (100/VCA-bBi-879)	76	C											b	c	c		
.1 NIOSH/NCI IA																	
a. Submit NCI IA to OPPE				o													
b. Obtain signatures of concurrence on NCI IA					o												
c. Hold quarterly meetings with NCI				o	o	o	o										
d. Complete NCI six-month progress reports						o	o										
e. FY IA 80 NCI Annual Progress Report				o													
f. Solicit new cancer research proposals from Divisions							o										
g. Hold IA (NCI/EPA/NIOSH) peer review of proposed new cancer projects							o										
h. Hold annual review meeting with divisions									o								
.2 NIOSH/EPA																	
a. Hold quarterly meetings with EPA				o	o	o	o										
b. Complete EPA six-month progress report						o	o										
c. Complete EPA Annual Progress report				o													
d. Initiate EPA Laboratory Operation Plans				o													
e. Review and submit Laboratory Operation Plans to EPA				o													
f. Establish NIOSH Interdivisional Energy Committee				o													
g. Hold Interdivisional Committee meetings					o	o	o										

TOXICOLOGY

Division of Biomedical and Behavioral Science

The DBBS toxicology program is comprised of projects in the areas of neurobehavioral toxicology, reproductive effects, carcinogenesis, metabolism, and cutaneous toxicology. Included in this program are acute and chronic inhalation toxicology studies of compounds identified by NIOSH or the National Toxicology Program as being of high priority due to the numbers of workers exposed. In FY 1981, new activities will include developing methods in cutaneous toxicity, nephrotoxicology, and cardiac toxicity. Goals of the DBBS toxicology program are (1) identification of compounds posing health hazards to workers, (2) development of methods and procedures applicable to acute laboratory evaluations of suspect toxins, and (3) development of methods useful in workplace investigations.

Division of Respiratory Disease Studies

Mutagenicity Research - Exposure to mutagenic agents in the workplace may lead to a broad range of adverse health effects including genetic disorders, effects on reproduction, and cancer. The major emphasis of the DRDS program is development and evaluation of an in vitro system for detecting and evaluating mutagenic risks among worker cohorts with complex workplace exposures to multiple agents. FY 1981 initiatives include evaluation of mutagenic activity of coal dust/diesel exposure studies of mutagenic risks involved with new synthetic fuel technologies and testing of in situ workplace monitoring methods developed during FY 1980.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
*****TOXICOLOGY*****												
DIVISION OF BIOMEDICAL AND BEHAVIORAL SCIENCE												
1. Neurotoxicity of Methyl Bromide (J. Russo, 684-8383) (VOB-B24-322)(100/VOB-cAe-263)	78	81					c	c	a			
.1 Complete study protocol (2Q78)												c 2094
.2 Initiate exposures (2Q79)												c 2095
.3 Submit progress report to Director, DBBS			o	o	o	o						A 2096
.4 Conduct serial neurobehavioral tests (3Q79)(4Q79)(1-4Q80)			o	o	o							A 2097
.5 Complete exposures					o							AaAehc 2099
.6 Complete neuropathology						o						AaAehc 2100
.7 Submit final report to Director, DBBS						o						AaAehc 2101
.8 Submit abstract to Director, NIOSH						o						AaAehc 2102
2. Neurobehavioral Methods for Toxic Agents (K. Anger, 684-8383) (VOB-B24-270)(2/48.8/98.8)(2/22.2/71.2)(100/VOB-cAE-270)	79	83					c	c	a			
.1 Consult Information Office (1Q80)												AaAehc 2103
.2 Complete peer review (1Q80)												AaAehc 2104
.3 Finalize protocol (3Q80)												AaAehc 2105
.4 Initiate animal testing (3Q80)												AaAehc 2106
.5 Initiate animal exposures (4Q80)												AaAehc 2107
.6 Complete development of neuromotor tests (4Q80)												AaAehc 2108
.7 Submit progress report to Director, DBBS			o	o	o	o						AaAehc 2109
.8 Perform serial neurobehavioral tests (3Q80,4Q80) (1Q82) (2Q82) (3Q82) (4Q82)			o	o	o	o						AaAehc 2110
.9 Complete exposures and behavioral testing (1Q83)												AaAehc 2111
.10 Complete final project report (2Q83)												AaAehc 2112
.11 Submit final project report to Director, DBBS (3Q83)												AaAehc 2113
.12 Submit abstract to Director, NIOSH (4Q83)												AaAehc 2114
												AaAehc 2115
												AaAehc 2116
												AaAehc 2117
												AaAehc 2118
												AaAehc 2119
												AaAehc 2120
												AaAehc 2121
												AaAehc 2122
												AaAehc 2123
												AaAehc 2124
												AaAehc 2125
												AaAehc 2126
												AaAehc 2127
												AaAehc 2128
												AaAehc 2129

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	O	C	N	PY	\$1000	\$1000
							G	H	D			
3. Neurobehavioral Effects of Spray Paint Agents (V. Putz 684-8383) (VOB-B24-272)(2.0/41.2/91.2)(100/VOB-cAh-272)	79	82					c	b	a			
.1 In-house Human Laboratory Study												AaAhbc 2132
a. Complete peer review (3Q79)												AaAhbc 2133
b. Initiate Phase I (2Q80)												AaAhbc 2134
c. Complete MEK-toluene interaction study						o						AaAhbc 2135
d. Initiate MEK-toluene and ethanol study						o						AaAhbc 2136
e. Submit Hazard Data Sheets on Acetone, Xylene, Ethyl Alcohol to Director, DBBS and project staff						o						AaAhbc 2137
f. Prepare protocol for xylene, acetone Interactions						o						AaAhbc 2138
g. Initiate lab reinstrumentation						o						AaAhbc 2139
h. Complete MEK-toluene and ethanol study									o			AaAhbc 2140
i. Submit revised protocol to HSRB and Director, DBBS									o			AaAhbc 2141
j. Submit final report on MEK, toluene to Director, DBBS (1Q82)												AaAhbc 2142
k. Submit abstract to Director, NIOSH (2Q82)												AaAhbc 2143
l. Complete laboratory instrumentation (1Q82)												AaAhbc 2144
m. Complete acetone xylene and ethyl alcohol exposures (2Q82)												AaAhbc 2145
n. Submit final report on xylene & acetone to Director, DBBS (4Q82)												AaAhbc 2146
o. Submit abstract to Director, NIOSH (4Q82)												AaAhbc 2147
.2 Contract Worksite Study												AaAhbc 2148
a. Complete peer review (2Q80)												AaAhbc 2149
b. Award contract (210-80-0003)						o						AaAhbc 2150
c. Complete site selection						o						AaAhbc 2151
d. Initiate worker data collection												AaAhbc 2152
e. Complete worker data collection									o			AaAhbc 2153
f. Submit final contract report to Director, DBBS									o			AaAhbc 2154
g. Submit abstract to Director, NIOSH									o			AaAhbc 2155
.3 Submit progress reports to Director, DBBS						o	o	o	o			AaAhbc 2156
												AaAhbc 2157
												AaAhbc 2158
												AaAhbc 2159
												AaAhbc 2160
												AaAhbc 2161
												AaAhbc 2162
												AaAhbc 2163

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
4. Behavioral Teratology of Cellosolves (K. Nelson 684-8383) (1.2/10.0/40.0)(0.1/2.5/5.0)(100/VOB-cCh-278)	81	83						c	c	a		
.1 Submit progress report to Director, DBBS			o	o	o	o					AaChkc	2166
.2 Complete peer review				o							AaChkc	2167
.3 submit final protocol to Director, DBBS				o							AaChkc	2168
.4 Submit hazard data sheet to Director, DBBS and project staff					o						AaChkc	2169
.5 Initiate embryotoxicity study of cellosolve compounds						o					AaChkc	2170
.6 Complete embryotoxicity study of Cellosolve compounds							o				AaChkc	2171
.7 Complete interim report on embryotoxicity of Cellosolve compounds								o			AaChkc	2172
.8 Submit interim report to Director, DBBS									o		AaChkc	2173
.9 Submit abstract to Director, NIOSH									o		AaChkc	2174
.10 Initiate behavioral study of select Cellosolve analogue									o		AaChkc	2175
.11 Perform serial neurobehavioral tests (1Q82)(2Q82)(3Q82)									o		AaChkc	2176
.12 Complete Cellosolve analogue experiment (4Q82)									o		AaChkc	2177
.13 Submit final report to Director, DBBS (1Q83)									o		AaChkc	2178
.14 Submit abstract to Director, NIOSH (1Q83)									o		AaChkc	2179
									o		AaChkc	2180
									o		AaChkc	2181
									o		AaChkc	2182
									o		AaChkc	2183
									o		AaChkc	2184
									o		AaChkc	2185
5. Behavioral Teratology of Ethoxyethanol (K. Nelson, 684-8383) (VOB-B24-275)(100/VOB-cCh-275)	79	81						c	c	a		
.1 Complete peer review (1Q79)											AaChkc	2188
.2 Initiate ethoxyethanol exposures (1Q79)											AaChkc	2189
.3 Complete ethoxyethanol exposures (2Q80)											AaChkc	2190
.4 Submit progress report to Director, DBBS			o	o	o						AaChkc	2191
.5 Initiate ethoxyethanol/ethanol combined exposures (3Q80)											AaChkc	2192
.6 Conduct serial neurobehavioral tests (4Q80)											AaChkc	2193
.7 Receive report of neurochemical analyses			o								AaChkc	2194
.8 Complete behavioral testing			o								AaChkc	2195
.9 Submit behavioral data for statistical analyses (DTS)				o							AaChkc	2196
.10 Submit final project report to Director, DBBS						o					AaChkc	2197
.11 Submit abstract to Director, NIOSH						o					AaChkc	2198
											AaChkc	2199
											AaChkc	2200
											AaChkc	2201
											AaChkc	2202

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
6. Neurotoxicity of Ethylene & Propylene Oxide (J. Setzer 684-8383) (VOB-B24-324) (100/VOB-cAh-264)	78	81					c	c	a			
.1 Complete peer review (1Q78)										AaAhtc	2205	
.2 Complete instrumentations of tests (2Q78)										AaAhtc	2206	
.3 Initiate inhalation exposures and animal testing (3Q79)										AaAhtc	2207	
.4 Perform serial neurological tests (4Q79, 1Q-4Q80)				o						AaAhtc	2208	
.5 Submit neurochemistry RFC to Director, DBBS				o						AaAhtc	2209	
.6 Submit RFC to OAMS				o						AaAhtc	2210	
.7 Submit progress report to Director, DBBS				o	o	o	o			AaAhtc	2211	
.8 Conduct final neurological tests					o					AaAhtc	2212	
.9 Perform terminal sacrifice					o					AaAhtc	2213	
.10 Award RFC					o					AaAhtc	2214	
.11 Receive contractor's results						o				AaAhtc	2215	
.12 Complete final report							o			AaAhtc	2216	
.13 Submit final report to Director, DBBS							o			AaAhtc	2217	
.14 Submit abstract of final report to Director, NIOSH							o			AaAhtc	2218	
7. Noise/Chemical Effects on Hearing & Behavior (R. Tubbs 684-8281) (VOG-G24-790)(.4/139/152)(100/VOG-cAf-358)	80	82					c	a	a			
.1 Complete draft RFP (2Q80)										AeAfvc	2222	
.2 Complete peer review of RFP (3Q80)										AeAfvc	2223	
.3 Submit RFP to Director, DBBS (3Q80)										AeAfvc	2224	
.4 Submit progress report to Director, DBBS				o	o	o	o			AeAfvc	2225	
.5 Award contract for 3-Phase Study (4Q80)				o	o	o	o			AeAfvc	2226	
.6 Initiate Phase I and II				o	o	o	o			AeAfvc	2227	
.7 Complete study of effects of aspirin (Phase I)						o				AeAfvc	2228	
.8 Complete study of effects of Pb (Phase II)							o			AeAfvc	2229	
.9 Complete study of effects of noise alone, noise/aspirin, and noise/Pb (Phase III)(3Q82)										AeAfvc	2230	
.10 Receive contractor's Final Report (3Q82)										AeAfvc	2231	
.11 Submit final report to Director, DBBS (4Q82)										AeAfvc	2232	
.12 Submit abstract to Director, NIOSH (4Q82)										AeAfvc	2233	
										AeAfvc	2234	
										AeAfvc	2235	
										AeAfvc	2236	
										AeAfvc	2237	
										AeAfvc	2238	
										AeAfvc	2239	
										AeAfvc	2240	
										AeAfvc	2241	
										AeAfvc	2242	

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
8. Phase Shifts and Stressor Effects (M. Colligan, 684-8291) (VOB-G24-768)(100/VOB-cAf-290)	80	81					c	c	a			
.1 Complete literature review (3Q80)											AaAfyC	2245
.2 Prepare initial study plan (3Q80)											AaAfyC	2246
.3 Initiate pilot experiment 4Q80)											AaAfyC	2247
.4 Submit progress reports to Director, DBBS											AaAfyC	2248
.5 Complete pilot study											AaAfyC	2249
.6 Finalize experimental design											AaAfyC	2250
.7 Hold peer review											AaAfyC	2251
.8 Initiate testing on main study											AaAfyC	2252
.9 Complete testing on main study											AaAfyC	2253
.10 Complete testing on main study											AaAfyC	2254
.11 Complete report of study and submit to Director, DBBS											AaAfyC	2255
.12 Submit abstract to Director, NIOSH											AaAfyC	2256
											AaAfyC	2257
											AaAfyC	2258
											AaAfyC	2259
											AaAfyC	2260
9. Fetal/Maternal Distribution of Chemicals (W. Weigel 684-8496) (100/V00-cCk-338)	81	81					c	c	a			
.1 Develop Hazard Data Sheet (H.D.S.)											AcCkTc	2263
.2 Submit H.D.S. to Director, DBBS											AcCkTc	2264
.3 Submit H.D.S. to all project staff											AcCkTc	2265
.4 Submit progress report to Director, DBBS											AcCkTc	2266
.5 Initiate tissue distribution study											AcCkTc	2267
.6 Submit selected fetuses for autoradiography											AcCkTc	2268
.7 Complete analysis of maternal tissues and fetuses for radio-activity											AcCkTc	2269
.8 Complete data analysis and prepare manuscript on technical report											AcCkTc	2270
.9 Submit final report to Director, DBBS											AcCkTc	2271
.10 Submit abstract to Director, NIOSH											AcCkTc	2272
											AcCkTc	2273
											AcCkTc	2274
											AcCkTc	2275
											AcCkTc	2276
											AcCkTc	2277
											AcCkTc	2278

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	O	C	N	PY	\$1000	\$1000
							G	H	D			
10. Toxicity of Aliphatic and Aromatic Amines (H. Plotnick 684-8496) (0.1/1.0/3.5)(0.1/1.0/3.5)(100/V00-cXt-337)	81	83					c	a	a			
.1 Develop RFC			o									AcXtyc 2281
.2 Complete peer review			o									AcXtyc 2282
.3 Submit RFC to Director, DBBS			o									AcXtyc 2283
.4 Submit RFC to OAMS			o									AcXtyc 2284
.5 Submit progress report to Director, DBBS			o	o	o	o						AcXtyc 2285
.6 Award contract					o							AcXtyc 2286
.7 Initiate LC50 studies						o						AcXtyc 2287
.8 Make site visit to contractor (2Q82)(4Q82)(1Q83)							o					AcXtyc 2288
.9 Complete LC50 studies (1Q82)												AcXtyc 2289
.10 Initiate subchronic studies (1Q82)												AcXtyc 2290
.11 Complete 6-month exposure (3Q82)												AcXtyc 2291
.12 Complete histopathologic evaluation (1Q83)												AcXtyc 2292
.13 Review draft final report from contractor (2Q83)												AcXtyc 2293
.14 Submit final report to Director, DBBS (3Q83)												AcXtyc 2294
.15 Submit abstract to Director, NIOSH (3Q83)												AcXtyc 2295
												AcXtyc 2296
												AcXtyc 2297
												AcXtyc 2298
												AcXtyc 2299

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
11. Cardiac Toxicity of Inhaled Amines (D. Lynch 684-8274) (0.9/20.0/45.0)(100/VDO-cHK-339)	81	82					c	c	a			AcHktc 2302
.1 Complete peer review				o								AcHktc 2303
.2 Develop hazard data sheet (H.D.S.)				o								AcHktc 2304
.3 Submit H.D.S. to Director, DBBS				o								AcHktc 2305
.4 Submit H.D.S. to all project staff				o								AcHktc 2306
.5 Submit progress report to Director, DBBS				o								AcHktc 2307
.6 Initiate evaluation criteria development for ECG					o							AcHktc 2308
.7 Complete evaluation criteria development for ECG					o							AcHktc 2309
.8 Initiate range finding studies												AcHktc 2310
a. Allylamine					o							AcHktc 2311
b. Triethylamine						o						AcHktc 2312
.9 Complete range finding studies												AcHktc 2313
a. Allylamine						o						AcHktc 2314
b. Triethylamine							o					AcHktc 2315
.10 Initiate methods development for isolation and evaluation of mitochondria					o							AcHktc 2316
.11 Complete methods development for isolation and evaluation of mitochondria								o				AcHktc 2317
.12 Initiate 90-day exposures												AcHktc 2318
a. Allylamine									o			AcHktc 2319
b. Triethylamine									o			AcHktc 2320
.13 Complete 90-day exposures												AcHktc 2321
a. Allylamine (1Q82)												AcHktc 2322
b. Triethylamine (2Q82)												AcHktc 2323
.14 Complete pathology												AcHktc 2324
a. Allylamine (3Q82)												AcHktc 2325
b. Triethylamine (3Q82)												AcHktc 2326
.15 Complete data analysis (4Q82)												AcHktc 2327
.16 Submit final report to Director, DBBS (4Q82)												AcHktc 2328
.17 Submit abstract to Director, NIOSH (4Q82)												AcHktc 2329
												AcHktc 2330
												AcHktc 2331
												AcHktc 2332
												AcHktc 2333
												AcHktc 2334

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
12. Effect of Maternal Lead Exposure on Offspring(E Knecht 684-8286) (VOK-G21-278)(100/V00-cCv-347)	79	81					c	c	a			
.1 Complete peer review (1Q79)											AcCvyc	2337
.2 Establish feed schedule (4Q79)											AcCvyc	2338
.3 Complete FY79 data analysis of exposure regime (1Q80)											AcCvyc	2339
.4 Initiate metabolism studies (1Q80)											AcCvyc	2340
.5 Consult Information Office (1Q80)											AcCvyc	2341
.6 Submit progress report to Director, DBBS				o	o	o	o				AcCvyc	2342
.7 Complete metabolism studies (2Q80)											AcCvyc	2343
.8 Initiate renal studies (3Q80)											AcCvyc	2344
.9 Complete renal studies (4Q80)											AcCvyc	2344
.10 Initiate erythropoietic studies (2Q80)											AcCvyc	2345
.11 Complete erythropoietic studies (2Q80)											AcCvyc	2346
.12 Initiate cardiovascular studies				o							AcCvyc	2347
.13 Complete cardiovascular studies					o						AcCvyc	2348
.14 Initiate function testing in cross-fostered pups				o							AcCvyc	2349
.15 Complete function testing in cross-fostered pups						o					AcCvyc	2350
.16 Submit final project report to Director, DBBS							o				AcCvyc	2351
.17 Submit abstract to Director, NIOSH							o				AcCvyc	2352
13. Co-Carcinogenicity of Foundry Particulates (R Niemeier 684-8394) (V00-C24-289)(0.1/0.9/4.8)(100/V00-cBy-320)	79	82					c	a	e			
.1 Complete literature search and peer review (1Q79)											AcByyc	2355
.2 Submit RFC to contract office (2Q79)											AcByyc	2356
.3 Award contract (210-79-0036) (4Q79)											AcByyc	2357
.4 Consult Information Office (1Q80)											AcByyc	2360
.5 Initiate animal treatments (3Q80)											AcByyc	2361
.6 Complete 15 weekly administrations of test material (4Q80)											AcByyc	2362
.7 Submit contractor's progress report to Director, DBBS				o	o	o	o				AcByyc	2363
.8 Complete site visits				o		o					AcByyc	2364
.9 Perform terminal sacrifice (1Q82)											AcByyc	2365
.10 Complete pathology evaluation (3Q82)											AcByyc	2366
.11 Review draft Final Report (4Q82)											AcByyc	2367
.12 Submit final report to Director, DBBS (4Q82)											AcByyc	2368
.13 Submit abstract to Director, NIOSH (4Q82)											AcByyc	2369
.14 Submit manuscript for publication in scientific journal (4Q82)											AcByyc	2370
											AcByyc	2371
											AcByyc	2372
											AcByyc	2373
											AcByyc	2374
											AcByyc	2375
											AcByyc	2376
											AcByyc	2377
											AcByyc	2378

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
14. In Vitro Tests for Workplace Cocarcinogens(R. Niemeier 684-8294) (0.1/347.5/350.0)(0.1/2.0/5.0)(0.1/230.0/231.5)(0.1/2.0/5.0) (100/V00-cBh-343)	81	85					c	c	a			
.1 Initiate literature review			o									AcBhec 2381
.2 Submit progress reports to Director, DBBS			o	o	o	o						AcBhec 2382
.3 Complete literature review					o							AcBhec 2383
.4 Complete development of RFC					o							AcBhec 2384
.5 Complete peer review						o						AcBhec 2385
.6 Submit RFC to Director, DBBS						o						AcBhec 2386
.7 Submit RFC to OAMS						o						AcBhec 2387
.8 Complete new tissue culture laboratory set-up						o						AcBhec 2388
.9 Initiate in-house studies on methods development (1Q82)												AcBhec 2389
.10 Hazard Data Sheets (H.D.S.)												AcBhec 2390
a. Develop H.D.S. (1Q82)												AcBhec 2391
b. Submit H.D.S. to Director, DBBS (1Q82)												AcBhec 2392
c. Submit H.D.S. to all project staff (1Q82)												AcBhec 2393
.11 Award Contract #1 on Comparative Screening Methods (2Q83)												AcBhec 2394
.12 Complete in-house methods development and verification studies (3Q83)												AcBhec 2395
.13 Initiate testing of field samples in-house (3Q83)												AcBhec 2396
.14 Review draft final report (2Q83)												AcBhec 2397
.15 Review final report (Contract #1)(3Q83)												AcBhec 2398
.16 Submit final contract report to Director, DBBS (3Q83)												AcBhec 2399
.17 Submit abstract final report to Director, NIOSH (3Q83)												AcBhec 2400
.18 Award Contract #2 (1Q84)												AcBhec 2401
.19 Complete in-house screening of field samples (4Q85)												AcBhec 2402
.20 Review draft final report (4Q85)												AcBhec 2403
.21 Submit final report to Director, DBBS (4Q85)												AcBhec 2404
.22 Submit abstract to Director, NIOSH (4Q85)												AcBhec 2405
												AcBhec 2406
												AcBhec 2407
												AcBhec 2408
												AcBhec 2409
												AcBhec 2410
												AcBhec 2411

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
15. Fibrogenicity & Pulmonary Carcinogenesis (T. Lewis 684-8394) (V00-C24-290)(0.1/1.3/4.9)(100/V00-cBD-324)	79	82					c	b	e			
.1 Conduct peer review (1Q79)											AcBDgc	2414
.2 Submit RFC to contract office (1Q79)											AcBDgc	2415
.3 Award contract (210-79-0038) (4Q79)											AcBDgc	2416
.4 Consult Information Office (1Q80)											AcBDgc	2417
.5 Obtain and characterize particulates to be supplied to contractor (1Q80)											AcBDgc	2418
.6 Initiate experimental work (1Q80)											AcBDgc	2419
.7 Submit contractor's progress report to Director, DBBS											AcBDgc	2420
.8 Complete experimental work				o	o	o					AcBDgc	2421
.9 Complete histopathology						o					AcBDgc	2422
.10 Review draft final report (1Q82)											AcBDgc	2423
.11 Submit final report to Director, DBBS (2Q82)											AcBDgc	2424
.12 Submit abstract to Director, NIOSH (2Q82)											AcBDgc	2425
16. Cancer Risk Reduction by Job Redesign (M. Smith, 684-8386) (VOB-C30-304)(100/VOB-cBh-292)	77	81					c	a	e			
.1 Complete plant site visits (1Q78)											AcBDgc	2429
.2 Obtain HSRB and OMB approvals (2Q78)(3Q79)											AcBDgc	2430
.3 Implement behavioral program (1Q80)											AaBhbc	2433
.4 Conduct serial evaluations of effectiveness(1Q80)(2Q80)(4Q80)											AaBhbc	2434
.5 Submit progress reports to Director, DBBS											AaBhbc	2435
.6 Submit RFC to Director, DBBS				o	o	o					AaBhbc	2436
.7 Submit RFC to OAMS				o							AaBhbc	2437
.8 Award RFC				o							AaBhbc	2438
.9 Complete data collection and analysis				o	o						AaBhbc	2439
.10 Receive draft final report											AaBhbc	2440
.11 Submit final report to Director, DBBS											AaBhbc	2441
.12 Submit abstract to Director, NIOSH											AaBhbc	2442
											AaBhbc	2443
											AaBhbc	2444
											AaBhbc	2445
											AaBhbc	2446
											AaBhbc	2447
											AaBhbc	2448

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				PLANNED COMPLETION				P M F			RESOURCES			
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000	R E U		
													O	C	N
17. Inhalation Carcinogenicity of MEK Peroxide (D. Lynch, 684-8355) (0.1/0.6/3.9)(0.1/0.6/3.9)(0.1/0.6/3.9)(0.1/0.6/3.9) (100/V00-cBk-318)	81	85													
.1 Develop RFC				o										AcBktc	2451
.2 Conduct peer review				o										AcBktc	2452
.3 Submit RFC to Director, DBBS				o										AcBktc	2453
.4 Submit RFC to OAMS				o										AcBktc	2454
.5 Submit progress report to Director, DBBS				o	o	o	o							AcBktc	2455
.6 Award contract						o								AcBktc	2456
.7 Conduct site visit (1Q82)(3Q82)(1Q83)(3Q83)(1Q84)(3Q84)(1Q85)						o								AcBktc	2457
.8 Initiate pilot study						o								AcBktc	2458
.9 Complete pilot study (1Q82)							o							AcBktc	2459
.10 Initiate chronic inhalation exposures (1Q82)								o						AcBktc	2460
.11 Conduct interim sacrifice (3Q82)(1Q83)(3Q83)(1Q84)								o						AcBktc	2461
.12 Complete chronic inhalation exposures (1Q84)								o						AcBktc	2462
.13 Conduct terminal sacrifice (3Q84)														AcBktc	2463
.14 Complete pathology and data analysis (1Q85)														AcBktc	2464
.15 Review draft final report (2Q85)														AcBktc	2465
.16 Submit final report to Director, DBBS (3Q85)														AcBktc	2466
.17 Submit abstract to Director, NIOSH (3Q85)														AcBktc	2467
														AcBktc	2468
														AcBktc	2469
														AcBktc	2470
														AcBktc	2471
														AcBktc	2472
18. Dichloroethane:Drug Interactions (K. Cheever 684-8497) (0.1/2.0/4.6)(0.1/2.0/4.6)(0.1/10.0/12.5)(100/V00-cBi-319)	81	84													
.1 Develop RFC (4Q80)														AcBiyc	2475
.2 Complete peer review														AcBiyc	2476
.3 Submit RFC to Director, DBBS				o										AcBiyc	2477
.4 Submit RFC to Contracting Office, OAMS				o										AcBiyc	2478
.5 Submit progress report to Director, DBBS				o	o	o	o							AcBiyc	2479
.6 Award contract						o								AcBiyc	2480
.7 Make site visit to contractor (2Q82)(4Q82)(3Q83)						o								AcBiyc	2481
.8 Initiate inhalation exposures						o								AcBiyc	2482
.9 Complete inhalation exposures (2Q83)							o							AcBiyc	2483
.10 Complete histopathologic evaluations and data analyses (4Q83)								o						AcBiyc	2484
.11 Review draft final report from contractor (2Q84)								o						AcBiyc	2485
.12 Submit final report to Director, DBBS (3Q84)														AcBiyc	2486
.13 Submit abstract to Director, NIOSH (3Q84)														AcBiyc	2487
														AcBiyc	2488
														AcBiyc	2489
														AcBiyc	2490
														AcBiyc	2491
														AcBiyc	2492

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	O	C	N	PY	NPF	TF
							G	H	D		\$1000	\$1000
19. Foundry Pyrolysis Effluent-Carcinogenesis (W. Moorman 684-8275) (V00-C24-397)(0.1/0.6/4.5)(100/V00-cBD-326)	78	82					c	a	e			
.1 Complete peer review (1Q78)											AcBDyc	2495
.2 Submit RFC to contract office (2Q78)											AcBDyc	2496
.3 Award contract (210-78-0033) (3Q78)											AcBDyc	2497
.4 Initiate experimental protocol (1Q79)											AcBDyc	2498
.5 Complete contract modification to include additional binder (furan)(1Q79)											AcBDyc	2499
.6 Consult Information Office (1Q80)											AcBDyc	2500
.7 Complete analytical phases (2Q80)											AcBDyc	2501
.8 Initiate prechronic IT injections (2Q80)											AcBDyc	2502
.9 Complete prechronic IT injections (4Q80)											AcBDyc	2503
.10 Initiate chronic IT injections (4Q80)											AcBDyc	2504
.11 Complete chronic IT injections											AcBDyc	2505
.12 Submit progress report to Director, DBBS				o	o	o	o				AcBDyc	2506
.13 Complete chronic bioassay (4Q82)											AcBDyc	2507
.14 Complete pathology (1Q83)											AcBDyc	2508
.15 Receive draft final report (2Q83)											AcBDyc	2509
.16 Submit final report to Director, DBBS (4Q83)											AcBDyc	2510
.17 Submit abstract to Director, NIOSH (4Q83)											AcBDyc	2511
											AcBDyc	2512
											AcBDyc	2513
											AcBDyc	2514
											AcBDyc	2515
											AcBDyc	2516

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
20. Machine Oils & Nitrosamines-Carcinogenesis (R Niemeier 684-8394) (V00-C24-300)(100/V00-cBF-322)	77	81					c	b	e			
.1 Complete peer review (1Q77)											AcBFmc	2519
.2 Submit RFC to contract office (2Q77)											AcBFmc	2520
.3 Award contract (210-77-0136) (4Q77)											AcBFmc	2521
.4 Initiate skin painting (2Q78)											AcBFmc	2522
.5 Complete 3-month skin painting (3Q78)											AcBFmc	2523
.6 Complete 6-month skin painting (4Q78)											AcBFmc	2524
.7 Complete 9-month skin painting (1Q79)											AcBFmc	2525
.8 Complete 12-month skin painting (2Q79)											AcBFmc	2526
.9 Complete 15-month skin painting (3Q79)											AcBFmc	2527
.10 Complete 18-month skin painting (4Q79)											AcBFmc	2528
.11 Consult Information Office (1Q80)											AcBFmc	2529
.12 Perform terminal sacrifice (2Q80)											AcBFmc	2530
.13 Complete Pathology (4Q80)											AcBFmc	2531
.14 Initiate in-house repeat of Group III 17 week toxicity study (4Q80)											AcBFmc	2532
.15 Complete in-house toxicity study (4Q80)											AcBFmc	2533
.16 Submit contractor's progress report to Director, DBBS				o	o	o					AcBFmc	2534
.17 Review draft final report				o							AcBFmc	2535
.18 Review final report					o						AcBFmc	2536
.19 Submit final report to Director, DBBS						o					AcBFmc	2537
.20 Submit abstract to Director, NIOSH						o					AcBFmc	2538
.21 Submit manuscript for publication in scientific journal						o					AcBFmc	2539
											AcBFmc	2540
											AcBFmc	2541
											AcBFmc	2542
											AcBFmc	2543
											AcBFmc	2544

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F			RESOURCES		
				1Q	2Q	3Q	4Q	O	C	N	NPF	TF	
				G	H	D	PY	\$1000	\$1000				
23. Mechanism of Carcinogenicity of 2-Nitropropane(T Lewis) 684-8392 (0.1/2.0/4.5)(0.1/2.0/4.5)(100/V00-cBm-317)	81	83						c	a	e			AcBmyc 2592
													AcBmyc 2593
													AcBmyc 2594
.1 Consult Information Office													AcBmyc 2595
.2 Conduct peer review													AcBmyc 2596
.3 Award unsolicited contract													AcBmyc 2597
.4 Initiate experimental work													AcBmyc 2598
.5 Initiate metabolic studies													AcBmyc 2599
.6 Complete metabolic studies													AcBmyc 2600
.7 Submit progress reports to Director, DBBS													AcBmyc 2601
.8 Initiate mutagenicity studies (1Q82)													AcBmyc 2602
.9 Complete mutagenicity studies (2Q82)													AcBmyc 2603
.10 Initiate range-finding testing for chronic bioassay (2Q82)													AcBmyc 2604
.11 Complete range-finding testing for chronic bioassay (3Q82)													AcBmyc 2605
.12 Initiate chronic bioassay (4Q82)													AcBmyc 2606
.13 Complete chronic bioassay (2Q83)													AcBmyc 2607
.14 Complete pathological evaluation (2Q83)													AcBmyc 2608
.15 Complete data analysis (3Q83)													AcBmyc 2609
.16 Submit final report to Director, DBBS (4Q83)													AcBmyc 2610
.17 Submit manuscript for publication to a scientific journal (4Q83)													AcBmyc 2611
													AcBmyc 2612
													AcBmyc 2613

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
24. Diesel Exhaust/Coal Dust Animal Studies (T. Lewis, 684-8394) (V00-E24-396)(0.3/438.0/452.0)(100/V00-cBi-325)	77	82					c	d	c			
.1 Complete peer review (1Q78)											AcBipc	2616
.2 Prepare interagency agreement (3Q78)(4Q79)(4Q80)(4Q81)											AcBipc	2617
.3 Begin facility setup (1Q79)											AcBipc	2618
.4 Complete facility set up (4Q79)											AcBipc	2619
.5 Initiate generation system set-up (4Q79)											AcBipc	2620
.6 Characterize emissions (4Q79)											AcBipc	2621
.7 Award interagency agreement (1Q79)(1Q80)(1Q82)											AcBipc	2622
.8 Consult Information Office (1Q80)				o							AcBipc	2623
.9 Initiate animal exposures (2Q80)											AcBipc	2624
.10 Complete 6-month response studies (rats)											AcBipc	2625
.11 Submit progress report to Director, DBBS				o	o	o	o				AcBipc	2626
.12 Perform 6-month response studies (rats (4Q80),(2Q82)				o	o	o	o				AcBipc	2627
.13 Initiate exposure of monkeys				o							AcBipc	2628
.14 Perform 6-month pulmonary tests (monkeys)						o					AcBipc	2629
.15 Complete terminal sacrifice of rats (3Q82)											AcBipc	2630
.16 Initiate infectivity/mutagenicity testing (3Q82)											AcBipc	2631
.17 Complete infectivity/mutagenicity testing (4Q82)											AcBipc	2632
.18 Complete terminal sacrifice of monkeys (1Q83)											AcBipc	2633
.19 Receive pathology reports (2Q83)											AcBipc	2634
.20 Review draft final report (3Q83)											AcBipc	2635
.21 Submit final report to Director, DBBS (4Q83)											AcBipc	2636
.22 Submit abstract to Director, NIOSH (4Q83)											AcBipc	2637
25. Metabolism of Azo Dyes to Aromatic Amines (L. Lowry, 684-8338) (VOT-C24-393)(100/VOT-cBr-372)	80	81					c	d	e			
.1 Consult Information Office (1Q80)											AdBryc	2640
.2 Submit draft IA to Director, DBBS (2Q80)											AdBryc	2641
.3 Submit IA to NCTR (2Q80)											AdBryc	2642
.4 Award IA (4Q80)											AdBryc	2643
.5 Submit progress report to Director, DBBS				o	o	o					AdBryc	2644
.6 Conduct site visit				o	o	o					AdBryc	2645
.7 Initiate methods development				o	o	o					AdBryc	2646
.8 Complete methods development				o	o	o					AdBryc	2647
.9 Initiate testing of animals					o						AdBryc	2648
.10 Complete metabolic, analytical and mutagenic studies							o				AdBryc	2649
.11 Receive draft of final report							o				AdBryc	2650
.12 Submit IA final report to Director, DBBS							o				AdBryc	2651
.13 Submit abstract to Director, NIOSH							o				AdBryc	2652
											AdBryc	2653
											AdBryc	2654
											AdBryc	2655
											AdBryc	2656
											AdBryc	2657
											AdBryc	2658
											AdBryc	2659
											AdBryc	2660

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				P M F				RESOURCES					
	I	C	PLANNED COMPLETION				R E U		NPF	TF				
			1Q	2Q	3Q	4Q	O	C N			PY	\$1000	\$1000	
26. Carcinogenicity of Short Asbestos Fibers (F. Platek 684-8337) (VOT-C24-375)(100/VOT-cBg-375)	77	81						c	a	e			AdBgic	2663
.1 Submit RFC to contract office (2Q77)													AdBgic	2664
.2 Award contract (210-77-0151) (4Q77)													AdBgic	2665
.3 Receive quarterly reports (2Q78) (3Q78) (4Q78)													AdBgic	2666
.4 Receive quarterly reports (1Q78) (2Q79) (3Q79) (4Q79)													AdBgic	2667
.5 Complete 12-month serial sacrifice (3Q79)													AdBgic	2668
.6 Hazard data sheet (H.D.S.):													AdBgic	2669
a. Develop H.D.S. (1Q80)													AdBgic	2670
b. Submit H.D.S. to Director, DBBS (1Q80)													AdBgic	2671
c. Submit H.D.S. to all project staff (1Q80)													AdBgic	2672
.7 Consult Information Office (1Q80)													AdBgic	2673
.8 Monitor contract - site visits (1Q80)(3Q80)													AdBgic	2674
.9 Conclude 18-month inhalation exposures (1Q80)													AdBgic	2675
.10 Perform 18-month serial sacrifice (rats)(1Q80)													AdBgic	2676
.11 Perform 24-month terminal sacrifice (rats and monkeys)(3Q80)													AdBgic	2677
.12 Complete histologic evaluations (4Q80)													AdBgic	2678
.13 Submit progress report to Director, DBBS				o	o	o	o						AdBgic	2679
.14 Receive draft of contractor's final report				o									AdBgic	2680
.15 Submit final report to Director, DBBS					o								AdBgic	2681
.16 Submit abstract to Director, NIOSH					o								AdBgic	2682
													AdBgic	2683
													AdBgic	2684
													AdBgic	2685

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
27. Carcinogenicity of Dimethylformamide (C. Kommineni, 684-8356) (VOT-C24-800)(0.1/1.0/5.0)(0.1/1.0/6.0)(0.1/1.0/7) (100/VOT-cBh-373)	80	84					c	a	e			
.1 Consult Information Office (1Q80)											AdBhyc	2688
.2 Conduct project peer review (2Q80)											AdBhyc	2689
.3 Submit RFC to Director, DBBS (2Q80)											AdBhyc	2690
.4 Submit RFC to Contracting Office (2Q80)											AdBhyc	2691
.5 Award contract											AdBhyc	2692
.6 Submit progress report to Division Director, DBBS			o								AdBhyc	2693
.7 Perform maximum tolerated dose (MTD) study			o	o	o	o					AdBhyc	2694
.8 Monitor contract-site visit (1Q,3Q82)(2Q83)			o		o						AdBhyc	2695
.9 Initiate chronic inhalation exposure study				o							AdBhyc	2696
.10 Perform 6-month serial sacrifice and serum enzyme evaluations						o					AdBhyc	2697
.11 Perform 12-month serial sacrifice and serum enzyme evaluations (2Q82)											AdBhyc	2698
.12 Terminate 18-month inhalation exposure and perform serial sacrifice and serum enzyme evaluations (4Q82)											AdBhyc	2699
.13 Complete chronic inhalation exposures (2Q83)											AdBhyc	2700
.14 Perform terminal sacrifice and serum enzyme evaluations, 24- month (4Q83)											AdBhyc	2701
.15 Complete histologic evaluations (1Q84)											AdBhyc	2702
.16 Receive draft of contractor's final report (2Q84)											AdBhyc	2703
.17 Submit final report to Director, DBBS (2Q84)											AdBhyc	2704
.18 Submit abstract to Director, NIOSH (2Q84)											AdBhyc	2705
											AdBhyc	2706
											AdBhyc	2707
											AdBhyc	2708
											AdBhyc	2709
											AdBhyc	2710
											AdBhyc	2711
											AdBhyc	2712
											AdBhyc	2713
											AdBhyc	2714

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
										\$1000	\$1000	
28. Cutaneous Toxicity Hazards (Alan Susten, 684-8394) (V00-G24-779)(2.4/34.5/100.0)(1.0/188.0/218.0)(0.2/5.0/10.0) (0.2/5.0/10.0)(100/V00-cFh-335)	80	85					c	b	a			
.1 Consult Information Office (1Q80)											AcFhyc	2717
.2 Complete literature review (1Q80)											AcFhyc	2718
.3 Objective 1: Irritation and Sensitization Studies on NIOSH priority chemicals											AcFhyc	2719
a. Develop hazard data sheet (1Q, 3Q80)											AcFhyc	2720
b. Submit H.D.S. to Director, DBBS (1Q, 3Q80)											AcFhyc	2721
c. Submit H.D.S. to all project staff (1Q, 3Q80)											AcFhyc	2722
d. Complete acrolein study (2Q80)											AcFhyc	2723
e. Complete N,N-dimethylacetamide study (4Q80)											AcFhyc	2724
f. Complete ethyl silicate (3Q80)											AcFhyc	2725
g. Complete other priority compounds (FY82, 83, 84, 85)											AcFhyc	2726
.4 Objective 2: Photosensitization											AcFhyc	2727
a. Initiate comparisons of scoring methods											AcFhyc	2728
b. Initiate literature review of screening methods											AcFhyc	2729
c. Complete review of screening methods											AcFhyc	2730
d. Complete comparisons of scoring methods											AcFhyc	2731
e. Initiate in vivo tests of chemicals (1Q82)											AcFhyc	2732
f. Initiate in vitro tests or biochemical screens (1Q82)											AcFhyc	2733
g. Develop RFC to do routine screening (3Q82)											AcFhyc	2734
h. Submit RFC to Director, DBBS (3Q82)											AcFhyc	2735
i. Submit RFC to OAMS (3Q82)											AcFhyc	2736
j. Award RFC (1Q83)											AcFhyc	2737
k. Receive contractor's draft final report (4Q83)											AcFhyc	2738
l. Complete in vitro or biochemical screening (4Q83)											AcFhyc	2739
m. Submit final report to Director, DBBS (1Q84)											AcFhyc	2740
n. Submit abstract to Director, NIOSH (1Q84)											AcFhyc	2741
.5 Objective 3: Percutaneous Absorption Model											AcFhyc	2742
a. Initiate testing of chamber design											AcFhyc	2743
b. Complete testing of chamber design (2Q82)											AcFhyc	2744
c. Initiate percutaneous absorption kinetics study (2Q82)											AcFhyc	2745
d. Develop contract for routine screening (3Q82)											AcFhyc	2746
e. Submit RFC to Director, DBBS (4Q82)											AcFhyc	2747
f. Submit RFC to OAMS (4Q82)											AcFhyc	2748
g. Complete kinetics study (1Q83)											AcFhyc	2749
h. Award RFC (2Q83)											AcFhyc	2750
i. Submit contractor's progress reports to Director, DBBS (3Q83, 4Q83, 1Q-4Q84)											AcFhyc	2751
j. Submit final report to Director, DBBS (1Q85)											AcFhyc	2752
k. Submit abstract to Director, NIOSH (1Q85)											AcFhyc	2753
.6 Objective 4: Cutaneous Hazards Program											AcFhyc	2754
a. Initiate literature search (1Q83)											AcFhyc	2755
b. Complete literature search (4Q83)											AcFhyc	2756

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F R E U O C N G H D	PY	RESOURCES	
				1Q	2Q	3Q	4Q			NPF	TF
										\$1000	\$1000
c. Complete protocol for studying biological hazards (3Q84)										AcFhyc	2763
d. Initiate biologic study (4Q84)										AcFhyc	2764
e. Complete biological study (4Q85)										AcFhyc	2765
f. Submit study report to Director, DBBS (4Q85)										AcFhyc	2766
.7 Submit final overall project report to Director, DBBS (4Q85)										AcFhyc	2767
.8 Subject abstract to Director, NIOSH (4Q85)										AcFhyc	2768
										AcFhyc	2769
29. Effects of Physical Trauma on the Skin (A. Susten, 684-8355) (1.3/87.0/120.0)(100/V00-cFf-336)	81	82						c b a		AcFfhc	2772
										AcFfhc	2773
										AcFfhc	2774
.1 Complete peer review				o						AcFfhc	2775
.2 Submit progress report to Director, DBBS				o	o	o	o			AcFfhc	2776
.3 Objective I: Review and analysis of World's Literature										AcFfhc	2777
a. Submit RFC to Director, DBBS				o						AcFfhc	2778
b. Submit RFC to OAMS					o					AcFfhc	2779
c. Award contract						o				AcFfhc	2780
d. Review monthly progress reports							o			AcFfhc	2781
e. Review quarterly progress reports							o			AcFfhc	2782
f. Review draft final report (2Q82)										AcFfhc	2783
g. Review final literature report (3Q82)										AcFfhc	2784
.4 Objective II-Symposium/Workshop										AcFfhc	2785
a. Make decision to exercise option II of contract (1Q82)										AcFfhc	2786
b. Hold symposium/Workshop (2Q82)										AcFfhc	2787
c. Review draft final report of symposium proceedings (3Q82)										AcFfhc	2788
d. Submit final report to Director, DBBS (4Q82)										AcFfhc	2789
e. Submit abstract to Director, NIOSH (4Q82)										AcFfhc	2790
										AcFfhc	2791
30. Inhalation Toxicity of Organic Oxides (D. Lynch, 684-8355) (V00-G24-302) (0.1/12.5/15.0) (100/V00-cXh-330)	78	82						c c a		AcXhyc	2794
										AcXhyc	2795
										AcXhyc	2796
.1 Complete peer review (2Q78)										AcXhyc	2797
.2 Standardize and calibrate new inhalation chambers (1Q79)										AcXhyc	2798
.3 Initiate inhalation exposures to ethylene oxide and propylene oxide (3Q79)										AcXhyc	2799
.4 Consult Information Office (1Q80)										AcXhyc	2800
.6 Perform 6-month pulmonary function, hematology, clinical chemistry and neurophysiology testing (1Q80)(3Q80)				o		o				AcXhyc	2802
.5 Submit progress report to Director, DBBS				o	o	o	o			AcXhyc	2804
.7 Complete inhalation exposures						o				AcXhyc	2805
.8 Perform terminal sacrifice						o				AcXhyc	2806
.9 Complete pathology reports (2Q82)										AcXhyc	2807
.10 Complete data analysis (2Q82)										AcXhyc	2808
.11 Submit final project report to Director, DBBS (3Q82)										AcXhyc	2809
.12 Submit abstract to Director, NIOSH (3Q82)										AcXhyc	2810
										AcXhyc	2811

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
31. Postal Cancellation Ink Toxicity (H. Plotnick, 684-8394) (V00-C24-777)(0.1/0.5/3.0)(100/V00-cBF-334)	79	82					c	b	a			
.1 Complete peer review (1Q79)											AcBFhc	2814
.2 Submit RFC to contract office (1Q79)											AcBFhc	2815
.3 Award contract (210-79-0035) (3Q79)											AcBFhc	2816
.4 Submit progress report to Director, DBBS				o	o	o					AcBFhc	2817
.5 Make site visit to contractor (1Q,2Q,4Q80)				o							AcBFhc	2818
.6 Consult Information Office (3Q80)											AcBFhc	2819
.7 Receive draft final report from contractor								o			AcBFhc	2820
.8 Receive final report from contractor (1Q82)											AcBFhc	2821
.9 Submit final report to Director, DBBS (1Q82)											AcBFhc	2822
.10 Submit final report to U.S. Postal Service (1Q82)											AcBFhc	2823
.11 Submit abstract to Director, NIOSH (1Q82)											AcBFhc	2824
											AcBFhc	2825
											AcBFhc	2826
											AcBFhc	2827
											AcBFhc	2828
32. Methods Development in Nephrotoxicology (E. Knecht, 684-8286) (0.8/39.6/60.0)(0.8/44.1/64.5)(100/V00-cXt-345)	81	83					c	c	a			
.1 Complete peer review				o							AcXtyc	2831
.2 Submit progress reports to Director, DBBS				o	o	o					AcXtyc	2832
.3 Initiate methods development											AcXtyc	2833
a. Enzymuria method											AcXtyc	2834
b. In vitro slice method					o						AcXtyc	2835
.4 Complete methods development											AcXtyc	2836
a. Enzymuria method								o			AcXtyc	2837
b. In vitro slice method								o			AcXtyc	2838
.5 Verify enhanced sensitivity of enzymuria and in vitro slice method											AcXtyc	2839
a. Initiate (1Q82)											AcXtyc	2840
b. Complete (3Q82)											AcXtyc	2841
.6 Establish methodology for enzymuria in field studies											AcXtyc	2842
a. Initiate (1Q82)											AcXtyc	2843
b. Complete (4Q82)											AcXtyc	2844
.7 Determine feasibility of partial-automation for both methods											AcXtyc	2845
a. Initiate (1Q82)											AcXtyc	2846
b. Complete (4Q82)											AcXtyc	2847
.8 Select worker population exposed to a known nephrotoxin (1Q83)											AcXtyc	2848
.9 Collect urine samples in field (2Q83)											AcXtyc	2849
.10 Analyze urine samples for enzymes and other solutes (3Q83)											AcXtyc	2850
.11 Analyze results (3Q83)											AcXtyc	2851
.12 Submit final report to Director, DBBS (4Q83)											AcXtyc	2852
.13 Submit abstract to Director, NIOSH (4Q83)											AcXtyc	2853
											AcXtyc	2854
											AcXtyc	2855
											AcXtyc	2856
											AcXtyc	2857
											AcXtyc	2858
											AcXtyc	2859

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
33. Biotransformation of Priority Chemicals (D. Richards, 684-8394) (V00-624-776) (1.7/57.7/100.0)(100/V00-cXh-333)	80	82						c	c	a		
.1 Consult Information Office (1Q80)											AcXhyc	2862
.2 Conduct project peer review (3Q80)											AcXhyc	2863
.3 Submit project protocol to Director, DBBS (3Q80)											AcXhyc	2864
.4 Develop Hazard Data Sheet (H.D.S.) (1Q80)											AcXhyc	2865
.5 Submit H.D.S. to Director, DBBS (1Q80)											AcXhyc	2866
.6 Submit H.D.S. to all project staff (1Q80)											AcXhyc	2867
.7 Biotransformation Studies											AcXhyc	2868
a. Tert-butylamine											AcXhyc	2869
1. Initiate study (1Q80)											AcXhyc	2870
2. Complete study (2Q82)											AcXhyc	2871
b. Isomeric Tetramethylbenzenes											AcXhyc	2872
1. Initiate study (2Q80)											AcXhyc	2873
2. Complete study (2Q82)											AcXhyc	2874
c. Durene											AcXhyc	2875
1. Initiate study (2Q80)											AcXhyc	2876
2. Complete study											AcXhyc	2877
d. Isodurene											AcXhyc	2878
1. Initiate study (3Q80)											AcXhyc	2879
2. Complete study (1Q82)									o		AcXhyc	2880
e. Prehnitine											AcXhyc	2881
1. Initiate study (3Q80)											AcXhyc	2882
2. Complete study (2Q82)											AcXhyc	2883
.8 Tissue Distribution Studies											AcXhyc	2884
a. Durene											AcXhyc	2885
1. Initiate study											AcXhyc	2886
2. Complete study											AcXhyc	2887
b. Isodurene											AcXhyc	2888
1. Initiate study											AcXhyc	2889
2. Complete study											AcXhyc	2890
c. Prehnitine											AcXhyc	2891
1. Initiate study											AcXhyc	2892
2. Complete study											AcXhyc	2893
.9 Submit progress reports to Director, DBBS											AcXhyc	2894
.10 Submit annual final report to Director, DBBS (4Q82)											AcXhyc	2895
.11 Submit abstract to Director, NIOSH (4Q82)											AcXhyc	2896
											AcXhyc	2897
											AcXhyc	2898
											AcXhyc	2899
											AcXhyc	2900

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
34. Chronic Toxicity of Insulation Materials (W. Moorman, 684-8355) (V00-E24-774)(0.1/2.0/4.1)(100/V00-cBi-327)	78	82					c	a	c			
.1 Complete peer review (1Q78)											AcBigc	2903
.2 Submit RFC to contract office (2Q78)											AcBigc	2904
.3 Award contract (210-78-0037) (4Q78)											AcBigc	2905
.4 Complete baseline biological testing (2Q79)											AcBigc	2906
.5 Initiate inhalation exposures (3Q79)											AcBigc	2907
.6 Consult Information Office (1Q80)											AcBigc	2908
.7 Complete 9-month pulmonary function testing (2Q80)											AcBigc	2909
.8 Submit contractor's progress report to Director, DBBS				o	o	o	o				AcBigc	2910
.9 Complete 18-month exposure regimen				o							AcBigc	2911
.10 Complete terminal sacrifice of rats and monkeys				o							AcBigc	2912
.11 Complete pathology of monkeys						o					AcBigc	2913
.12 Complete pathology of rats (1Q82)											AcBigc	2914
.13 Review draft of final report (2Q82)											AcBigc	2915
.14 Submit final report to Director, DBBS (3Q82)											AcBigc	2916
.15 Submit abstract to Director, NIOSH (4Q82)											AcBigc	2917
35. Pulmonary Hypersensitivity:Industrial Metals(R Biagini 684-8355) (V00-G24-285)(0.1/0.5/3.0)(100/V00-cDv-329)	79	82					c	b	d			
.1 Complete peer review (1Q79)											AcDvyc	2918
.2 Submit final protocol to Director, DBBS (1Q79)											AcDvyc	2919
.3 Initiate sensitization exposures (Pt) (4Q79)											AcDvyc	2920
.4 Consult Information Office (1Q80)											AcDvyc	2921
.5 Complete sensitization exposures (Pt)(1Q80)											AcDvyc	2922
.6 Complete bronchoprovocation challenge and pulmonary reevaluations (Pt)(1Q80)											AcDvyc	2923
.7 Evaluate immunotoxicologic responses (Pt)(1Q80)											AcDvyc	2924
.8 Initiate sensitization exposures (Pt)(3Q80)											AcDvyc	2925
.9 Complete sensitization exposures (Pt)(4Q80)											AcDvyc	2926
.10 Submit progress report to Director, DBBS				o	o	o	o				AcDvyc	2927
.11 Initiate Pt exposures (whole body)					o						AcDvyc	2928
.12 Complete Pt exposures (whole body)							o				AcDvyc	2929
.13 Complete draft final report				o							AcDvyc	2930
.14 Submit final project report to Director, DBBS (1Q82)											AcDvyc	2931
.15 Submit abstract to Director, NIOSH (1Q82)											AcDvyc	2932
											AcDvyc	2933
											AcDvyc	2934
											AcDvyc	2935
											AcDvyc	2936
											AcDvyc	2937
											AcDvyc	2938
											AcDvyc	2939
											AcDvyc	2940
											AcDvyc	2941
											AcDvyc	2942
											AcDvyc	2943

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	P M F						R E U		RESOURCES	
	O C N						N P F		T F	
	FY	PLANNED	COMPLETION				PY	\$1000	\$1000	
I C	1Q	2Q	3Q	4Q	G H D					
36. Development of Teratogen Screening Methods (G. Bond, 684-8358) (1.2/144.0/172.0)(1.2/37.0/68.0)(100/V00-cAh-340)	81	83				c b a				
.1 Consult Information Office			o						AcAhyc 2946	
.2 Complete project peer review			o						AcAhyc 2947	
.3 In-house studies									AcAhyc 2948	
A. Mouse Teratology Screening Technique									AcAhyc 2949	
a. Initiate positive control study			o						AcAhyc 2950	
b. Complete positive control study				o					AcAhyc 2951	
c. Complete screening of DSHEFS field samples					o				AcAhyc 2952	
B. Dermal Teratogenicity									AcAhyc 2953	
a. Hazard Data Sheets (H.D.S.)									AcAhyc 2954	
(1) Complete H.D.S. Chemicals #1 and #2 of dermal teratogenicity					o	o			AcAhyc 2955	
(2) Submit H.D.S. to Director, DBBS					o	o			AcAhyc 2956	
(3) Submit H.D.S. to all project staff					o	o			AcAhyc 2957	
b. Initiate dermal teratogenicity study of chemicals #1 and #2					o	o			AcAhyc 2958	
c. Complete dermal teratogenicity study of chemicals #1 and #2 (1Q82)(2Q82)									AcAhyc 2959	
d. Submit report on dermal teratogenicity studies of chemicals #1 and #2 to Director, DBBS (3Q82)									AcAhyc 2960	
e. Initiate dermal teratogenicity study of chemicals #3, #4, and #5 (2Q82)(3Q82)(4Q82)									AcAhyc 2961	
f. Complete dermal teratogenicity study of chemical #3 (4Q82)									AcAhyc 2962	
g. Complete dermal teratogenicity study of chemicals #4 and #5 (2Q83)									AcAhyc 2963	
h. Submit report of dermal teratogenicity of chemicals #3, #4, and #5 to Director, DBBS (2Q83)									AcAhyc 2964	
.4 Contract Studies									AcAhyc 2965	
A. Teratology Screen of 9 NTP priority compounds (contract #1)									AcAhyc 2966	
a. Submit RFC to OAMS			o						AcAhyc 2967	
b. Award contract					o				AcAhyc 2968	
c. Complete site visit						o			AcAhyc 2969	
d. Complete site visit (1Q82)									AcAhyc 2970	
e. Submit final report to Director, DBBS (2Q82)									AcAhyc 2971	
f. Submit abstract to Director, NIOSH (2Q82)									AcAhyc 2972	
B. Teratology Screen of 9 NTP priority compounds (contract #2)									AcAhyc 2973	
a. Submit RFC to OAMS				o					AcAhyc 2974	
b. Award contract					o				AcAhyc 2975	
c. Complete site visit						o			AcAhyc 2976	
d. Complete site visit (2Q82)									AcAhyc 2977	
e. Review draft final report (2Q82)									AcAhyc 2978	
									AcAhyc 2979	
									AcAhyc 2980	
									AcAhyc 2981	
									AcAhyc 2982	
									AcAhyc 2983	
									AcAhyc 2984	
									AcAhyc 2985	
									AcAhyc 2986	
									AcAhyc 2987	
									AcAhyc 2988	
									AcAhyc 2989	
									AcAhyc 2990	
									AcAhyc 2991	

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	TF	
										\$1000	\$1000	
f. Submit final report to Director, DBBS (3Q82)											AcAhye	2992
g. Submit abstract to Director, NIOSH (3Q82)											AcAhye	2993
.5 Teratology Screen of 9 NTP Priority Compounds Contract #3)											AcAhye	2994
a. Submit RFC to OAMS				o							AcAhye	2995
b. Award contract								o			AcAhye	2996
c. Complete site visit								o			AcAhye	2997
d. Complete site visit (2Q82)											AcAhye	2998
e. Submit final report to Director, DBBS (3Q82)											AcAhye	2999
f. Submit abstract to Director, NIOSH (3Q82)											AcAhye	3000
.6 Submit progress reports to Director, DBBS			o	o	o	o					AcAhye	3001
											AcAhye	3002
											AcAhye	3003
37. Teratogenic Risk of Workplace Contaminants (G. Bond, 684-8358) (V00-W24-346)(0.1/1.5/4.0)(100/V00-cCh-346)	77	82							c b a		AcChyc	3006
											AcChyc	3007
											AcChyc	3008
.1 Complete peer review (1Q77)											AcChyc	3009
.2 Submit RFC to OAMS (2Q77)											AcChyc	3010
.3 Award contract (210-77-0049)(4Q77)											AcChyc	3011
.4 Receive final report (4Q79)											AcChyc	3012
.5 Submit progress report to Director, DBBS			o	o	o	o					AcChyc	3013
.6 In-house Studies											AcChyc	3014
a. Initiate Bisphenol A estrogenic study (2Q80)											AcChyc	3015
b. Complete Bisphenol A estrogenic study (4Q80)											AcChyc	3016
c. Initiate Bisphenol A reproductive study (4Q80)											AcChyc	3017
d. Complete Bisphenol A reproductive study				o							AcChyc	3018
e. Submit final Bisphenol A report to Director, DBBS						o					AcChyc	3019
f. Submit abstract of report to Director, NIOSH						o					AcChyc	3020
.7 Teratogenic Assessment of Ethylbenzene and Ethoxyethanol (contract 210-79-0037)											AcChyc	3021
a. Award contract (4Q79)											AcChyc	3022
b. Complete site visit (2Q80)(3Q80)											AcChyc	3023
c. Review final report			o								AcChyc	3024
d. Submit final report to Director, DBBS			o								AcChyc	3025
e. Submit abstract to Director, NIOSH			o								AcChyc	3026
.8 Teratogenic Assessment of Ethylene Oxide, Propylene Oxide, n-Butyl Acetate (contract 210-80-0013)											AcChyc	3027
a. Award contract			o								AcChyc	3028
b. Complete site visit			o								AcChyc	3029
c. Submit progress report to Director, DBBS			o		o	o					AcChyc	3030
d. Initiate animal exposures				o							AcChyc	3031
e. Complete site visit (2Q82)											AcChyc	3032
f. Complete animal exposures (2Q82)											AcChyc	3033
g. Review final report (3Q82)											AcChyc	3034
h. Submit final report to Director, DBBS (3Q82)											AcChyc	3035
i. Submit abstract to Director, NIOSH (3Q82)											AcChyc	3036
											AcChyc	3037
											AcChyc	3038
											AcChyc	3039

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES			
	I	C	1Q	2Q	3Q	4Q	O	C	N	NPF	TF		
												G	H
38. Development of Sperm Analysis Methods (B. Hardin, 684-8394) (1.1/64.0/90.0)(1.1/85.5/114.0)(100/V00-cCy-342)	81	83					c	c	a			AcCyyc 3042	3042
												AcCyyc 3043	3043
												AcCyyc 3044	3044
.1 Consult Information Office				o								AcCyyc 3045	3045
.2 Complete peer review				o								AcCyyc 3046	3046
.3 Complete NIEHS site visit				o								AcCyyc 3047	3047
.4 Complete training and familiarization with photographic and hamster ova systems						o						AcCyyc 3048	3048
.5 Begin testing known antifertility agents						o						AcCyyc 3049	3049
.6 Complete review of literature on biochemical markers in seminal plasma								o				AcCyyc 3050	3050
.7 Award fee for service agreement for sperm head morphology assay				o								AcCyyc 3051	3051
.8 Receive analysis of slides				o								AcCyyc 3052	3052
a. Propylene oxide				o								AcCyyc 3053	3053
b. Ethoxyethanol				o								AcCyyc 3054	3054
c. Ethylene oxide					o							AcCyyc 3055	3055
.9 Submit progress reports to Director, DBBS				o	o	o	o					AcCyyc 3056	3056
.10 Begin developing methods for monitoring selected biochemical markers in seminal plasma (1Q82)												AcCyyc 3057	3057
.11 Submit report evaluating potential of photographic techniques for use in NIOSH field studies (4Q82)												AcCyyc 3058	3058
.12 Apply semen analysis methods in NIOSH field studies (1Q83)												AcCyyc 3059	3059
.13 Submit final report to Director, DBBS (4Q83)												AcCyyc 3060	3060
.14 Submit abstract to Director, NIOSH (4Q83)												AcCyyc 3061	3061
												AcCyyc 3062	3062
												AcCyyc 3063	3063
												AcCyyc 3064	3064
												AcCyyc 3065	3065
												AcCyyc 3066	3066
												AcCyyc 3067	3067

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	O	C	N	PY	NPF	TF
39. Teratogen Screening Using Drosophila (R. Schuler, 684-8357) (0.9/3.0/28.0)(0.2/155.0/160.8)(100/V00-cCy-344)	81	83										
.1 Hazard Data Sheet (H.D.S.)												
a. Develop H.D.S.			o	o	o	o						AcCyyc 3070
b. Submit H.D.S. to Director, DBBS			o	o	o	o						AcCyyc 3071
c. Submit H.D.S. to all project staff			o	o	o	o						AcCyyc 3072
.2 Submit progress report to Director, DBBS			o	o	o	o						AcCyyc 3073
.3 Initiate development of Drosophila teratogen screening methodology			o									AcCyyc 3074
.4 Complete development of screening methodology						o						AcCyyc 3075
.5 Initiate comparison testing of known teratogens vs non-teratogens (1Q82)												AcCyyc 3076
.6 Complete comparison testing (3Q82)												AcCyyc 3077
.7 Develop RFC (3Q82)												AcCyyc 3078
.8 Complete peer review (4Q82)												AcCyyc 3079
.9 Submit RFC to Director, DBBS (4Q82)												AcCyyc 3080
.10 Submit RFC to OAMS (4Q82)												AcCyyc 3081
.11 Award contract (2Q83)												AcCyyc 3082
.12 Submit final report to Director, DBBS (4Q83)												AcCyyc 3083
.13 Submit abstract to Director, NIOSH (4Q83)												AcCyyc 3084
												AcCyyc 3085
												AcCyyc 3086
												AcCyyc 3087
												AcCyyc 3088
												AcCyyc 3089
												AcCyyc 3090
												AcCyyc 3091

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	O	C	N	PY	\$1000	\$1000
							G	H	D			
40. Mutagenicity-Tier II Priority Compounds (R. Schuler 684-8357) (V00-C24-398)(100/V00-cCh-328)	78	81					c	a	a			
.1 Complete peer review (1Q78)											AcChyc	3094
.2 Submit RFC to contract office (2Q78)											AcChyc	3095
.3 Award contract (210-78-0026) (3Q78)											AcChyc	3096
.4 Initiate mutagenic studies (4Q78)											AcChyc	3097
.5 Initiate testing of Cyclohexanone and 2-Methoxyethanol (3Q79)											AcChyc	3098
.6 Initiate testing of Methyl bromide, 1,1,2,2-Tetrachloroethane and Dimethylformamide (4Q79)											AcChyc	3099
.7 Initiate testing of Butylene oxide, N,N-Dimethylacetamide and Styrene oxide (1Q80)											AcChyc	3100
.8 Initiate testing of 2-Nitropropane and Allyl chloride (2Q80)											AcChyc	3101
.9 Initiate testing of bis(2-Methoxyethyl)ether, N-Methylcyclohexylamine and Hexachlorobutadiene (4Q80)											AcChyc	3102
.10 Complete testing of Cyclohexanone and 2-Methoxyethanol (1Q80)											AcChyc	3103
.11 Complete testing of N,N-Dimethylacetamide and 1,1,2,2-Tetrachloroethane (4Q80)											AcChyc	3104
.12 Submit contractor's progress reports to Director, DBBS				o	o	o	o				AcChyc	3105
.13 Complete testing:											AcChyc	3106
a. Methylbromide				o							AcChyc	3107
b. Dimethylformamide				o							AcChyc	3108
c. Butylene oxide				o							AcChyc	3109
d. Styrene oxide				o							AcChyc	3110
e. 2-Nitropropane				o							AcChyc	3111
f. Allyl chloride				o							AcChyc	3112
g. bis(2-Methoxyethyl)ether					o						AcChyc	3113
h. N-Methylcyclohexylamine					o						AcChyc	3114
i. Hexachlorobutadiene					o						AcChyc	3115
.14 Complete site visit (4Q80)											AcChyc	3116
.15 Submit final report to Director, DBBS									o		AcChyc	3117
.16 Submit abstract to Director, NIOSH									o		AcChyc	3118
											AcChyc	3119
											AcChyc	3120
											AcChyc	3121
											AcChyc	3122
											AcChyc	3123
											AcChyc	3124
											AcChyc	3125
											AcChyc	3126
											AcChyc	3127

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	O	C	N	PY	NPF	TF
41. Develop Standard Photosensitization Methods (E. Moss 684-8482) (VOG-G23-789)(100/VOG-cFf-357)	80	81					c	c	a			
.1 Complete exposure chamber modifications (2Q80)												AeFfyc 3130
.2 Initiate physical measurement phase (3Q80)												AeFfyc 3131
.3 Submit progress report to Director, DBBS			o	o	o	o						AeFfyc 3132
.4 Complete physical measurement phase			o									AeFfyc 3133
.5 Initiate animal measurement phase			o									AeFfyc 3134
.6 Complete animal measurement phase				o								AeFfyc 3135
.7 Initiate test trial with known photosensitizer				o								AeFfyc 3136
.8 Complete test trial					o							AeFfyc 3137
.9 Complete draft final report									o			AeFfyc 3138
.10 Submit final project report to Director, DBBS									o			AeFfyc 3139
.11 Submit abstract to Director, NIOSH									o			AeFfyc 3140
												AeFfyc 3141
												AeFfyc 3142
												AeFfyc 3143
												AeFfyc 3144

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				P M F				RESOURCES						
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000			
															PLANNED
DIVISION OF RESPIRATORY DISEASE STUDIES															
42. Endotoxins in Animal Confinement Units (Piacitelli G 304-599-7421) (4.5/55.0/177.8) (0.7/15.0/20.5) (100/VKP-cDd-162)	81	83													C 3147
.1 Conduct literature review of the animal confinement industry and meet with extramural grantee (U. of Iowa) medically surveying animal confinement operators. Complete endotoxin assays for airborne samples from collaborator in North Carolina				o											C 3148
.2 Identify animal confinement facilities suitable for study					o										CbDdnc 3149
.3 Conduct walk-through surveys at potential study facilities						o									CbDdnc 3150
.4 Select facilities to be studied extensively. Complete analysis of settled dust samples sent from North Carolina							o								CbDdnc 3151
.5 Complete interim report								o							CbDdnc 3152
.6 Prepare IH and Microbio sampling protocol and obtain peer review (1Q82)									o						CbDdnc 3153
.7 Begin IH surveys of confinement operations (winter characterization) (2Q82)															CbDdnc 3154
.8 Complete IH surveys of confinement operations (summer characterization). Complete endotoxin assays for winter operations phase (3Q82)															CbDdnc 3155
.9 Conduct IH data analysis. Complete endotoxin assays for summer operations phase (4Q82)															CbDdnc 3156
.10 Prepare IH report, analyze, compare, and interpret endotoxin data (1Q83)															CbDdnc 3157
.11 Integrate IH report and endotoxin analysis report, and submit to Director, DRDS (2Q83)															CbDdnc 3158
.12 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS (4Q83)															CbDdnc 3159
															CbDdnc 3160
															CbDdnc 3161
															CbDdnc 3162
															CbDdnc 3163
															CbDdnc 3164
															CbDdnc 3165
															CbDdnc 3166
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															CbDdnc 3180
															CbDdnc 3181
															CbDdnc 3182
															CbDdnc 3183
															CbDdnc 3184
															CbDdnc 3185

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES			
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF	
											\$1000	\$1000	
43. Hypersensitivity Pneumonitis due to Humidifiers (Kullman G 304-599-7421) (100/VKP-cDd-160)	81	83						c	c	a			CbDddc 3188
													CbDddc 3189
													CbDddc 3190
.1 Complete a literature search on the industrial use of humidification and air conditioning systems and the implications of biological contamination in these systems				o									CbDddc 3191
													CbDddc 3192
													CbDddc 3193
.2 Prepare a protocol for sampling				o									CbDddc 3194
.3 Identify those facilities to be studied				o									CbDddc 3195
.4 Obtain viable sampling equipment						o							CbDddc 3196
.5 Complete initial walk-throughs at three facilities					3								CbDddc 3197
													CbDddc 3198
.6 Initiate field surveys								o					CbDddc 3199
.7 Initiate LIB analysis of field samples								o					CbDddc 3200
.8 Complete an interim report								o					CbDddc 3201
.9 Decision Point - meet with CIB and Immunology to determine if further initiatives are warranted in this area (1Q82)								o					CbDddc 3202
													CbDddc 3203
													CbDddc 3204
													CbDddc 3205
													CbDddc 3206

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F			RESOURCES			
				1Q	2Q	3Q	4Q	O	C	N	NPF	TF		
				G	H	D	PY	\$1000	\$1000					
44. Immunopathology of Organic Dust Pneumoconiosis (Mentech M 304-599-7256) (0.4/60.0/70.1) (0.2/50.0/56.0) (100/VKC-cDd-124)	81	83						c	c	a			CdDdyc	3209
													CdDdyc	3210
													CdDdyc	3211
													CdDdyc	3212
.1 Complete the experiment on effects of cortisone on "zymozan" lung and prepare manuscript													CdDdyc	3213
													CdDdyc	3214
.2 Complete enzyme studies on alveolar macrophages													CdDdyc	3215
													CdDdyc	3216
.3 Complete a comprehensive fluorescent study experimentally induced lesions													CdDdyc	3217
													CdDdyc	3218
.4 Establish a working file with tissue for analysis of occupationally related diseased tissue													CdDdyc	3219
													CdDdyc	3220
.5 Complete the survey of selected pharmacological agents on the animal lesion induced by zymozan (3Q82)													CdDdyc	3221
													CdDdyc	3222
.6 Complete the immunofluorescent studies (3Q82)													CdDdyc	3223
													CdDdyc	3224
.7 Complete the working file of occupationally diseased tissues and prepare manuscript of finding (4Q82)													CdDdyc	3225
													CdDdyc	3226
.8 Complete appraisal of analytical techniques for organic antigens in situ (2Q83)													CdDdyc	3227
													CdDdyc	3228
.9 Complete the clearance studies of selected organic antigens (3Q83)													CdDdyc	3229
													CdDdyc	3230
.10 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS													CdDdyc	3231
													CdDdyc	3232
													CdDdyc	3233
													CdDdyc	3234
													CdDdyc	3235
													CdDdyc	3236

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
45. Effect of Mycotoxins on Pulmonary Macrophages (Sorenson W 304-599-7516) (2.0/20.0/75.0) (2.0/20.0/80.0) (100/VKC-cdn-106)	81	83					c	c	a			
.1 Complete study of phagocytosis of <i>Saccharomyces cerevisiae</i>				o							CddnDc	3239
.2 Complete study of the effect of mycotoxins on specific alveolar macrophage (AM) enzyme activities					o						CddnDc	3240
.3 Complete study of effects of mycotoxins on AM protein synthesis						o					CddnDc	3241
.4 Complete air sampling for aflatoxin in peanut shelling plants							o				CddnDc	3242
.5 Complete analysis of air samples (1Q82)								o			CddnDc	3243
.6 Complete study of the effect of mycotoxins on production of specific inducible AM proteins (2Q82)									o		CddnDc	3244
.7 Complete study of the effect of mycotoxins on total cellular ATP (3Q82)										o	CddnDc	3245
.8 Complete study of synergistic effects of mycotoxins on in vitro AM functions (3Q83)											CddnDc	3246
.9 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS (4Q83)											CddnDc	3247
											CddnDc	3248
											CddnDc	3249
											CddnDc	3250
											CddnDc	3251
											CddnDc	3252
											CddnDc	3253
											CddnDc	3254
											CddnDc	3255
											CddnDc	3256
											CddnDc	3257
											CddnDc	3258
											CddnDc	3259
											CddnDc	3260
											CddnDc	3261
											CddnDc	3262
46. Animal & Exposure Facility-Support (Major P 304-599-7256) (VKC-R40-123) (100/VKC-cDd-123)	81	C					c	b	a		CdDdCc	3265
.1 Award contract			o								CdDdCc	3266
.2 Order equipment for inhalation facility			o								CdDdCc	3267
.3 Install equipment for inhalation facility					o						CdDdCc	3268
.4 Calibrate equipment for inhalation facility						o					CdDdCc	3269
.5 Monitor support contract				o	o	o					CdDdCc	3270
.6 Monitor contract (1234Q82)											CdDdCc	3271
.7 Monitor support contract (1234Q83)											CdDdCc	3272
											CdDdCc	3273
											CdDdCc	3274
											CdDdCc	3275

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
47. Aromatic Hydrocarbons/Induction of Lung Oxidations (Danner J 304-599-7591) (1.5/35.0/100.4) (VKC-M24-107) (100/VKC-ciB-107)	80	82					c	c	c			
.1 Complete P450 analyses on rat lung microsomes induced with a known carcinogen			o								CdiBtc	3278
.2 Complete P450 analyses on interval (2) exposure DE/CD study				o							CdiBtc	3279
.3 Complete P450 analyses on interval (3) exposure DE/CD study					o						CdiBtc	3280
.4 Complete chromatographic analysis of metabolites from a known carcinogen						o					CdiBtc	3281
.5 Complete P450 analyses on rat lung microsomes induced with aromatic hydrocarbons (1Q82)											CdiBtc	3282
.6 Complete chromatographic profile of metabolites from aromatic hydrocarbons (2Q82)											CdiBtc	3283
.7 Complete P450 analyses on interval (4) exposure DE/CD study											CdiBtc	3284
.8 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS (4Q82)											CdiBtc	3285
											CdiBtc	3286
											CdiBtc	3287
											CdiBtc	3288
											CdiBtc	3289
											CdiBtc	3290
											CdiBtc	3291
											CdiBtc	3292
											CdiBtc	3293
											CdiBtc	3294
											CdiBtc	3295
											CdiBtc	3296
											CdiBtc	3297
											CdiBtc	3298
											CdiBtc	3299
48. Mutagenic Monitoring for High Risk Workers (Ong T 304-599-7516) (0.5/95.0/115.1) (VKC-E24-912) (100/VKC-ciB-112)	80	82					c	b	c			
.1 Complete development of protocol for urine analysis			o								CdiBCc	3302
.2 Complete development of protocol for assays and chromosome aberration				o							CdiBCc	3303
.3 Complete selection of workers and control group for testing					o						CdiBCc	3304
.4 Complete assay for mutagenic activity of air particulate collected from the work place					o						CdiBCc	3305
.5 Complete urine analysis for the control group						o					CdiBCc	3306
.6 Complete SCE analysis for the control group (1Q82)											CdiBCc	3307
.7 Complete urine analysis for the workers (2Q82)											CdiBCc	3308
.8 Complete SCE analysis for the workers (3Q82)											CdiBCc	3309
.9 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS (4Q82)											CdiBCc	3310
											CdiBCc	3311
											CdiBCc	3312
											CdiBCc	3313
											CdiBCc	3314
											CdiBCc	3315
											CdiBCc	3316
											CdiBCc	3317
											CdiBCc	3318
											CdiBCc	3319
											CdiBCc	3320
											CdiBCc	3321

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
49. InVitro Mutagenesis Studies (Ong T 304-599-7516) (3.5/268.0/363.5) (VKC-C23-262) (100/VKC-cCB-118)	80	82					c	b	a			
.1 Award contract											CdCBpc	3324
.2 Complete testing of the mutagenicity of chemicals with the new Neurospora tester strains					o						CdCBpc	3325
.3 Complete testing of the applicability of the fluctuation assay system using bacteria or fungi to detect genetic activity of chemicals found in the work place				o							CdCBpc	3326
.4 Complete the validation of arabinose resistant mutagenesis assay system of S. typhimurium with the new tester strain						o					CdCBpc	3327
.5 Complete the standarization of the 6-thioquanine resistant mutation assay system of CHO cells							o				CdCBpc	3328
.6 Complete the studies on the activation of work place promutagens by alveolar macrophages (1Q82)											CdCBpc	3329
.7 Complete assessment of the body fluid mutagenic analysis for the health hazard evaluation (3Q82)											CdCBpc	3330
.8 Complete assessment of cytogenetic assay systems for the health hazard evaluation (3Q82)											CdCBpc	3331
.9 Complete final report and submit abstract to the Office of the Director, (4Q82)											CdCBpc	3332
											CdCBpc	3333
											CdCBpc	3334
											CdCBpc	3335
											CdCBpc	3336
											CdCBpc	3337
											CdCBpc	3338
											CdCBpc	3339
											CdCBpc	3340
											CdCBpc	3341
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											CdCBpc	3343
											CdCBpc	3344
											CdCBpc	3345
											CdCBpc	3346
											CdCBpc	3347
											CdCBpc	3348

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
50. Cellular Toxicity of Mineral Dusts (Pailes W 304-599-7561) (1.2/22.0/54.7) (100/VKC-cDg-119)	80	82					c	c	a			
.1 Measure cell volume and oxygen consumption with time			o								CdDgBc	3351
.2 Measure superoxide anion release from cultured macrophages				o							CdDgBc	3352
.3 Measure lysosomal enzyme release from cultured macrophages					o						CdDgBc	3353
.4 Determine the effects of Wollastonite, asbestos and latex particles on cell volume and oxygen consumption						o					CdDgBc	3354
.5 Determine the effects of Wollastonite, asbestos and latex particles on the release of superoxide anion and lysosomal enzymes (1Q82)							o				CdDgBc	3355
.6 Culture lung fibroblasts and test viability (2Q82)								o			CdDgBc	3356
.7 Determine the effect of lysate from exposed macrophages on select fibroblast tripeptides and fibrous proteins									o		CdDgBc	3357
.8 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS (4Q82)											CdDgBc	3358
											CdDgBc	3359
											CdDgBc	3360
											CdDgBc	3361
											CdDgBc	3362
											CdDgBc	3363
											CdDgBc	3364
											CdDgBc	3365
											CdDgBc	3366
											CdDgBc	3367
											CdDgBc	3368
											CdDgBc	3369
											CdDgBc	3370
											CdDgBc	3371
											CdDgBc	3372
51. Organic Dust: Airway Smooth Muscle and Nerve Effects (Fedan J 304-599-7561) (2.0/40.0/94.6) (2.0/40.0/98.4) (100/VKC-cDd-110)	81	83					c	c	a			
.1 Complete assembly and calibration of equipment to perform bronchoconstriction and neurotransmission experiments				o							CdDdtc	3375
.2 Complete studies on effects of cotton dust on bronchoconstriction and neurotransmission						o					CdDdtc	3376
.3 Complete studies on effects of phthalic anhydrides on bronchoconstriction and neurotransmission				o							CdDdtc	3377
.4 Complete studies on effects of soybean dust on bronchoconstriction and neurotransmission							o				CdDdtc	3378
.5 Complete studies on effects of wood dust, and selected other agents, on bronchoconstriction and neurotransmission					o						CdDdtc	3379
.6 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS								o			CdDdtc	3380
											CdDdtc	3381
											CdDdtc	3382
											CdDdtc	3383
											CdDdtc	3384
											CdDdtc	3385
											CdDdtc	3386
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											CdDdtc	3391
											CdDdtc	3392
											CdDdtc	3393

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	O	C	N	PY	NPF	TF
52. Diesel Exhaust/Coal Dust Animal Exposure Studies (Tucker J 304-599-7581) (3.0/80.0/121.3) (VKC-R24-913) (100/VKC-cpD-117)	80	82					c	b	c			
.1 Submit RFC for Dust Analysis				o								CdpDDc 3396
.2 Award Dust Analysis Contract					o							CdpDDc 3397
.3 Complete 12 month animal sampling					o							CdpDDc 3398
.4 Complete 18 month animal sampling						o						CdpDDc 3399
.5 Complete 24 month animal sampling (2Q82)												CdpDDc 3400
.6 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS (4Q82)												CdpDDc 3401
												CdpDDc 3402
												CdpDDc 3403
												CdpDDc 3404
												CdpDDc 3405
												CdpDDc 3406
												CdpDDc 3407
53. In Vivo Effects of Metals on Lung Lipid Peroxidation (Miles P 304-599-7561) (VKC-R21-243) (100/VKC-cDp-115)	79	81					c	c	d			CdDpvc 3410
.1 Complete experiments dealing with the effects of metals on the mechanisms which protect against lipid peroxidation in the lung				o								CdDpvc 3411
.2 Complete studies dealing with the effects various combinations of metals on lipid peroxidation in the lung					o							CdDpvc 3412
.3 Complete studies dealing with the effects of various combinations of metals on the mechanisms which protect against lipid peroxidation in the lung						o						CdDpvc 3413
.4 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS												CdDpvc 3414
												CdDpvc 3415
												CdDpvc 3416
												CdDpvc 3417
												CdDpvc 3418
												CdDpvc 3419
												CdDpvc 3420
												CdDpvc 3421
												CdDpvc 3422
												CdDpvc 3423
												CdDpvc 3424

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES	
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	TF
										\$1000	\$1000
54. Alveolar Particle Clearance (Weber K 304-599-7561) (VKC-M-24-108) (1.5/35.0/79.1) (100/VKC-cDp-108)	80	82					c	c	a		
.1 Complete experiments on fluid flow in alveoli			o							CdDpgc	3427
.2 Perform literature search and select appropriate particles and hypophase constituents for in vitro study				o						CdDpgc	3428
.3 Complete experiments on particle movement within alveoli					o					CdDpgc	3429
.4 Complete preliminary experiments on chemical interactions between selected particles & hypophase components						o				CdDpgc	3430
.5 Complete preliminary experiments on particle macrophage interactions (2Q82)										CdDpgc	3431
.6 Complete studies on fluid flow and particle movement in alveoli of diseased animal lung (3Q82)										CdDpgc	3432
.7 Complete preliminary experiments on particle type II cell interactions (3Q82)										CdDpgc	3433
.8 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS										CdDpgc	3434
										CdDpgc	3435
										CdDpgc	3436
										CdDpgc	3437
										CdDpgc	3438
										CdDpgc	3439
										CdDpgc	3440
										CdDpgc	3441
										CdDpgc	3442
										CdDpgc	3443
										CdDpgc	3444
										CdDpgc	3445
										CdDpgc	3446
										CdDpgc	3447
55. Toxicity of Selected Particulates to Alveolar Macrophages (Miles P 304-599-7561) (VKC-R24-198) (0.5/7.0/20.7) (100/VKC-cDX-114)	77	81					c	c	d		
.1 Install and calibrate the exposure equipment				o						CdDXvc	3450
.2 Complete in vivo experiments dealing with the effects of metal particulates on oxygen consumption, metabolism, and particle uptake in alveolar macrophages						o				CdDXvc	3451
.3 Complete exposure experiments dealing with the effects of metal particulates on chemiluminescence and superoxide anion production in alveolar macrophages (2Q82)										CdDXvc	3452
.4 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS (2Q82)										CdDXvc	3453
										CdDXvc	3454
										CdDXvc	3455
										CdDXvc	3456
										CdDXvc	3457
										CdDXvc	3458
										CdDXvc	3459
										CdDXvc	3460
										CdDXvc	3461
										CdDXvc	3462
										CdDXvc	3463
										CdDXvc	3464
										CdDXvc	3465

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F			RESOURCES	
				1Q	2Q	3Q	4Q	O	C	N	NPF	TF
				G	H	D	PY	\$1000	\$1000			

56. Immunology of Grain and Other Organic Dusts
(Olenchock S 304-599-7256) (VKC-R23-109) (2.7/47.0/120.7)
(100/VKC-cDn-109)

80 82

c c a

- .1 Initiate collaboration (EpIB) on wood dust studies to evaluate complement activation by wood dusts, associated products and other derivations
- .2 Complete analysis for antibodies to leptospirae and brucellae in sera of swine house confinement workers
- .3 Complete analysis of cotton textile workers sera for antibodies to hypersensitivity pneumonitis panel
- .4 Complete fractionation of grain components (1Q82)
- .5 Complete exposure of animals to grain dust extracts and evaluate in vivo effects (2Q82)
- .6 Complete long term exposure of animals to Aspergillus, and evaluate long term effects (3Q82)
- .7 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS (4Q82)

CdDndc 3468
CdDndc 3469
CdDndc 3470
CdDndc 3471
CdDndc 3472
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CdDndc 3475
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CdDndc 3485
CdDndc 3486
CdDndc 3487
CdDndc 3488
CdDndc 3489

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
57. Early Events in Immune Response to Organic Dusts (Olenchock S 304-599-7256) (1.9/30.0/81.8) (1.9/30.0/85.5) (100/VKC-cDd-122)	81	83					c	c	a			
											CdDdyc	3492
											CdDdyc	3493
											CdDdyc	3494
											CdDdyc	3495
.1 Complete analysis of serum factors in cohort of loggers, Phase I				o							CdDdyc	3496
.2 Complete pilot study of mutagenic nature organic dusts					o						CdDdyc	3497
.3 Complete analysis of serum factors in cohort of loggers, Phase II						o					CdDdyc	3498
.4 Complete study of mitogenic activities of selected organic dusts							o				CdDdyc	3499
.5 Complete isolation, separation and identification of appropriate cell populations for in vitro factor release								o			CdDdyc	3500
.6 Complete isolation of immunologic mediators and explore antibody formation in another species (3Q82)									o		CdDdyc	3501
.7 Complete manipulation of animal system with isolated factors and antibody (4Q82)										o	CdDdyc	3502
.8 Complete pilot study to characterize the role of immunoregulatory factors in mucosal reaction to organic dusts (2Q83)											CdDdyc	3503
.9 Complete attempt to define mediator factor interactions after exposure to organic dusts (4Q83)											CdDdyc	3504
.10 Transmit abstract final report to Director, NIOSH (4Q83)											CdDdyc	3505
											CdDdyc	3506
											CdDdyc	3507
											CdDdyc	3508
											CdDdyc	3509
											CdDdyc	3510
											CdDdyc	3511
											CdDdyc	3512
											CdDdyc	3513
											CdDdyc	3514
											CdDdyc	3515
											CdDdyc	3516
											CdDdyc	3517
											CdDdyc	3518
											CdDdyc	3519
											CdDdyc	3520

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F			RESOURCES	
	I	C	1Q	2Q	3Q	4Q	RE U	NPF	TF
							O C N	PY	\$1000
							G H D		
58. Effects of Trace Metal Exposure on Isolated Lung Cells (Castranova V 304-599-7561) (1.7/35.0/81.4) (1.7/40.0/89.6) (100/VKC-cDp-126)	81	83					c c d		
.1 Measure the effects of metallic ions on oxygen consumption in alveolar macrophages				o				CdDpvc	3523
.2 Measure the effects of metallic ions on the oxygen consumption of type II cells					o			CdDpvc	3524
.3 Measure the effects of metallic ions on the membrane integrity of alveolar macrophages						o		CdDpvc	3525
.4 Measure the effects of metallic ions on the membrane integrity of type II cells (1Q82)								CdDpvc	3526
.5 Measure the effects of metallic ions on chemiluminescence in alveolar macrophages (2Q82)								CdDpvc	3527
.6 Measure the effects of metallic ions on drug metabolism in type II cells (3Q82)								CdDpvc	3528
.7 Measure the effects of metallic ions on phagocytosis in alveolar macrophages (4Q82)								CdDpvc	3529
.8 Develop cultures of alveolar macrophages (1Q83)								CdDpvc	3530
.9 Measure effects of metals on cultured macrophages (2Q83)								CdDpvc	3531
.10 Measure effects of metals on macrophages from animals exposed via inhalation (3Q83)								CdDpvc	3532
.11 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS (4Q83)								CdDpvc	3533
								CdDpvc	3534
								CdDpvc	3535
								CdDpvc	3536
								CdDpvc	3537
								CdDpvc	3538
								CdDpvc	3539
								CdDpvc	3540
								CdDpvc	3541
								CdDpvc	3542
								CdDpvc	3543
								CdDpvc	3544
								CdDpvc	3545
								CdDpvc	3546
								CdDpvc	3547
								CdDpvc	3548
59. Aerosol Inhalation - Disease Mechanisms (Frazer D 304-599-7561) (1.4/15.0/53.2) (1.4/15.0/55.9) (100/VKC-cDp-128)	81	83					c c a		
.1 Order and assemble equipment for exposing animals to aerosols				o				CdDpyc	3551
.2 Complete testing of particle generator for use in animal exposures					o			CdDpyc	3552
.3 Complete testing of the air delivery system						o		CdDpyc	3553
.4 Complete testing of complete computer controlled system (1Q82)								CdDpyc	3554
.5 Expose rats to test aerosols (2Q82)								CdDpyc	3555
.6 Examine lung morphometry of exposed animals and compare with control animals (4Q82)								CdDpyc	3556
.7 Compare lung function differences between exposed and control animals (1Q83)								CdDpyc	3557
.8 Provide exposed animals to other investigators (3Q83)								CdDpyc	3558
.9 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS (4Q83)								CdDpyc	3559
								CdDpyc	3560
								CdDpyc	3561
								CdDpyc	3562
								CdDpyc	3563
								CdDpyc	3564
								CdDpyc	3565
								CdDpyc	3566
								CdDpyc	3567
								CdDpyc	3568
								CdDpyc	3569
								CdDpyc	3570

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	O	C	N	NPF	TF	
							G	H	D	PY	\$1000	\$1000
60. Fibrous Minerals and Metals on Interferon System (Hahon N 304-599-7517) (1.7/7.0/53.4) (1.0/5.0/34.2) (100/VKC-cCB-129)	81	83					c	c	a			
.1 Peer review completed				o								CdCBvc 3573
.2 Complete determination of selected natural (talc) and/or synthetic fibrous minerals on cell integrity					o							CdCBvc 3574
.3 Complete preliminary determinations on viral interferon induction						o						CdCBvc 3575
.4 Complete assessment of fibrous minerals on interferon system and virus replication							o					CdCBvc 3576
.5 Complete determination of chromium and manganese on cell viability relative to particle size (1Q82)												CdCBvc 3577
.6 Complete study of metals on interferon system (3Q82)												CdCBvc 3578
.7 Complete determination of garnierite (ni-asbestos) on cell integrity (1Q83)												CdCBvc 3579
.8 Complete study on interferon system (3Q83)												CdCBvc 3580
.9 Complete final report and submit abstract to Director, NIOSH, with copy of report and abstract to DTS (4Q83)												CdCBvc 3581
												CdCBvc 3582
												CdCBvc 3583
												CdCBvc 3584
												CdCBvc 3585
												CdCBvc 3586
												CdCBvc 3587
												CdCBvc 3588
												CdCBvc 3589
												CdCBvc 3590
												CdCBvc 3591
												CdCBvc 3592
												CdCBvc 3593
												CdCBvc 3594
												CdCBvc 3595
61. Early Indicators of Risk for Energy Technologies (Resnick H 304-599-7591) (1.0/220.0/260.9) (1.0/220.0/263.8) (1.0/220.0/260.9) (100/VKC-ciB-120)	81	83					c	c	c			
.1 Complete review of on-going Industrial Hygiene studies on coal liquifaction and gasification				o								CdiBDc 3598
.2 Complete evaluation of sampling methodology for bioassays					o							CdiBDc 3599
.3 Finalize selection of biomedical assays for in-house and out-of-house biological monitoring												CdiBDc 3600
.4 Completion of peer review for RFC												CdiBDc 3601
.5 Submit RFC to contracting office (1Q82)												CdiBDc 3602
.6 Award in vitro (short term) bioassay contract (3Q82)												CdiBDc 3603
.7 Continuing out-year milestones contingent upon progress realized during the first year's efforts												CdiBDc 3604
												CdiBDc 3605
												CdiBDc 3606
												CdiBDc 3607
												CdiBDc 3608
												CdiBDc 3609
												CdiBDc 3610
												CdiBDc 3611
												CdiBDc 3612
												CdiBDc 3613
												CdiBDc 3614
												CdiBDc 3615

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES			
	I	C	1Q	2Q	3Q	4Q	R E U			PY	\$1000	\$1000	
							O	C	N				
							G	H	D				
62. IH Characterization of Indirect Liquefaction (Wallace W 304-599-7421) (0.31/10.0/18.0) (100/VKP-cid-169)	81	84						c	b	c			CbiDBc 3618
													CbiDBc 3619
													CbiDBc 3620
													CbiDBc 3621
.1 Review optional gas stream cleanup units for indirect liquefaction plants, sites and schedules for their testing or use, available IH and occupational health data.				o									CbiDBc 3622
													CbiDBc 3623
													CbiDBc 3624
													CbiDBc 3625
.2 Select gas stream cleanup units for study, develop needed interagency agreements with DOE, foreign government, private sector for entry								o					CbiDBc 3626
													CbiDBc 3627
													CbiDBc 3628
													CbiDBc 3629
.3 IH Characterization of DOE gasifier - scrubber - ESP - Stretford pilot unit subject to entry agreement								o					CbiDBc 3630
													CbiDBc 3631
													CbiDBc 3632
.4 Review F-T synthesis and unethanol synthesis unit design, sites, and schedules, and available IH and occupational health data								o					CbiDBc 3633
													CbiDBc 3634
													CbiDBc 3635
.5 Select catalytic synthesis units for study begin development of entry and collaborative study agreements with DOE, Synthetic Fuels Corporation, IEA, others								o					CbiDBc 3636
													CbiDBc 3637
													CbiDBc 3638
													CbiDBc 3639
.6 Acquire/review plant design and occupational health studies information on SASOL I and SASOL II, initiate planning and entry discussions for collaborative IH and epidemiology studies with SASOL								o					CbiDBc 3640
								o					CbiDBc 3641
													CbiDBc 3642
													CbiDBc 3643
													CbiDBc 3644
.7 Review EPA, DOE-Lovelace ITRI, DOE-METC, and other data on gasification process stream containment composition, identify additional data needs for emission modeling and analysis, recommend supplementary NIOSH gasification project studies as needed								o					CbiDBc 3645
													CbiDBc 3646
													CbiDBc 3647
													CbiDBc 3648
													CbiDBc 3649
													CbiDBc 3650
.8 Review DOE data and program on valve testing and development suggest to development of formal or informal interagency agreement								o					CbiDBc 3651
													CbiDBc 3652
													CbiDBc 3653
.9 Identify additional component failure data needs including valve stem leak, valve thrupt leak, flange leak, pump seal leaks, other								o					CbiDBc 3654
													CbiDBc 3655
													CbiDBc 3656
													CbiDBc 3657
.10 Review available process and fault free models and programs for exposure prediction using process stream composition and component failure data								o					CbiDBc 3658
													CbiDBc 3659
													CbiDBc 3660
													CbiDBc 3661
.11 Through Interagency Agreement obtain supplemental component failure data needed for ex-													CbiDBc 3662
													CbiDBc 3663

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	PY	NPF	TF	
								\$1000	\$1000	
posure analysis and prediction (FY82-84)										CbiDBc 3664
.12 Develop and apply exposure program to indirect liquefaction plants under study, correlate results with exposure measurements, supply information to IH, surveillance, registry, and control technology efforts (FY82-84)										CbiDBc 3665 CbiDBc 3666 CbiDBc 3667 CbiDBc 3668 CbiDBc 3669 CbiDBc 3670 CbiDBc 3671 CbiDBc 3672 CbiDBc 3673 CbiDBc 3674 CbiDBc 3675
.13 Perform IH characterizations of selected gas stream cleanup units and upstream feeding operations (FY82-84)										CbipDc 3678 CbipDc 3679 CbipDc 3680 CbipDc 3681 CbipDc 3682 CbipDc 3683 CbipDc 3684 CbipDc 3685 CbipDc 3686 CbipDc 3687 CbipDc 3688 CbipDc 3689 CbipDc 3690 CbipDc 3691 CbipDc 3692 CbipDc 3693 CbipDc 3694 CbipDc 3695 CbipDc 3696 CbipDc 3697 CbipDc 3698
.14 Perform IH characterizations of selected synthesis and product separation operations (FY82-84)										
63. IH Characterization of Oil-Shale Industries (Reaux C 304-599-7421) (0.4/183.6/200) (0.4/32.6/50) (0.1/5.4/10) (100/VKP-cip-166)	81	84					c g c			
.1 Energy team's assimilation of DOE work to present and its future plans			o							
.2 Working conference with the oil-shale task force. This will be mechanism to bring NIOSH on-line without duplicating work				o						
.3 Prepare interagency agreements with DOE and appropriate state agencies					o					
.4 Execute IA					o					
.5 Prepare RFC and/or interagency agreements for specific IH studies of need by NIOSH - submit RFC					o					
.6 Award RFC						o				
.7 Initiate IH studies						o				
.8 Complete IH studies (3Q83)										
.9 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS (1Q84)										

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
64. IH Study of Coal Liquefaction Processes (Reaux C 304-599-7421) (VKP-E22-225) (0.2/31.8/30) (100/VKP-cih-165)	77	82					c	b	b			
.0 Award contract (2Q79)												CbihBc 3701
.1 Completion of all 5 plant surveys and their associated individual reports						o						CbihBc 3702
.2 Completion of contractors final report detailing the IH environment in Coal Liquefaction facilities (1Q82)												CbihBc 3703
.3 Review of contractors report and other data to determine further research/projects needed in coal liquefaction technologies (1Q82)												CbihBc 3704
.4 Submission of report to Director NIOSH detailing coal liquefaction IH status to data and recommendation for studies of new technologies (2Q82)												CbihBc 3705
												CbihBc 3706
												CbihBc 3707
												CbihBc 3708
												CbihBc 3709
												CbihBc 3710
												CbihBc 3711
												CbihBc 3712
												CbihBc 3713
												CbihBc 3714
												CbihBc 3715
												CbihBc 3716
65. IH Study of Coal Gasification Plants (Reaux C 304-599-7421) (VKP-E22-215) (0.1/45.1/50.0) (100/VKP-ciD-172)	77	82					c	b	b			
.0 Award contract (4Q78)												CbiDBc 3719
.1 Completion of the 3 remaining coal gasification plants and their individual reports						o						CbiDBc 3720
.2 Completion of final report detailing the IH environment of coal gasification plants (2Q82)												CbiDBc 3721
.3 Prepare additional pilot plant studies as required to support design reviews for gasification demonstration plants announced by DOE and Synthetic Fuels Corporation (2Q82)												CbiDBc 3722
.4 Complete final report on type gasifiers studied to date and recommendations for future coal gasification-type studies to be considered for Director, NIOSH and DTS (3Q82)												CbiDBc 3723
												CbiDBc 3724
												CbiDBc 3725
												CbiDBc 3726
												CbiDBc 3727
												CbiDBc 3728
												CbiDBc 3729
												CbiDBc 3730
												CbiDBc 3731
												CbiDBc 3732
												CbiDBc 3733
												CbiDBc 3734
												CbiDBc 3735
66. IH Characterization of TVA Coal Gasifier (Reaux C 304-599-7421) (0.3/7.3/20) (0.3/48.4/62.5) (100/VKP-ciD-177)	81	83					c	c	c			
.1 Complete sub-agreement III with TVA-NIOSH						o						CbiDBc 3738
.2 Complete IH surveys of TVA Gasifier for each of 5 coal types (2Q83)												CbiDBc 3739
.3 Complete final report combining TVA-NIOSH L.L.I.H.T. data to correlate occupational exposures to operating and coal type parameters to Director, NIOSH and DTS (4Q83)												CbiDBc 3740
												CbiDBc 3741
												CbiDBc 3742
												CbiDBc 3743
												CbiDBc 3744
												CbiDBc 3745
												CbiDBc 3746
												CbiDBc 3747
												CbiDBc 3748

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
67. Entrained Gas. Haz. Contaminant Analysis (Wallace W 304-599-7421) (0.2/13.8/22.0) (0.2/149.2/158) (100/VKP-ciD-174)	81	83					c	c	c			
.1 NIOSH-DOE Interagency Agreement signed June, 1980 DRDS, ITRI, and Texaco or CE coordination planning*			o									CbiDBc 3751
.2 Review protocol for first sampling trip				o								CbiDBc 3752
.3 First sampling trip subject to gasifier operating schedule				o								CbiDBc 3753
.4 ITRI quarterly reports				o	o	o						CbiDBc 3754
.5 Physical and chemical characterization data report from first sampling trip						o						CbiDBc 3755
.6 Review protocol for second sampling trip subject to plant schedule for use of second fuel coal						o						CbiDBc 3756
.7 Second sampling trip subject to gasifier operating schedule						o						CbiDBc 3757
.8 Comparison of stream contaminant data with area and personal sampling data for first sampling trip						o						CbiDBc 3758
.9 Sampling trips for three other feed coals-dates to be determined (2Q82) (4Q82) (1Q83)												CbiDBc 3759
.10 Complete final report and submit abstracts to Director, NIOSH and copy of final report and abstract to DTS (4Q83)												CbiDBc 3760
* The Texaco-TVA gasifier is preferred for this study. Right of entry discussions may be needed for one or both sites.												CbiDBc 3761
												CbiDBc 3762
												CbiDBc 3763
												CbiDBc 3764
												CbiDBc 3765
												CbiDBc 3766
												CbiDBc 3767
												CbiDBc 3768
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												CbiDBc 3770
												CbiDBc 3771
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												CbiDBc 3780

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	FY		1Q	2Q	3Q	4Q	G H D	PY	NPF TF	
	I	C						\$1000	\$1000	
*****CLINICAL STUDIES*****									e	3783
									e	3784
DIVISION OF RESPIRATORY DISEASE STUDIES									C	3786
									C	3787
1. Effects of Added Resistance to Breathing (Patsonk L 304-599-7223) (VKH-R24-155) (2.0/17.0/71.6) (100/VKH-eDp-217)	77	82							e c d	CcDpye 3789
.1 Complete data analysis, first phase				o						CcDpye 3792
.2 Complete report, first phase						o				CcDpye 3794
.3 Complete data collection, second phase				o						CcDpye 3795
.4 Complete data analysis, second phase							o			CcDpye 3796
.5 Complete report, second phase - submit abstract to Director,	10	H					o			CcDpye 3797
.6 Receive HSRB approval of modification, third phase							o			CcDpye 3798
.7 Complete data collection, third phase (1Q82)										CcDpye 3799
.8 Complete data analysis, third phase (2Q82)										CcDpye 3800
.9 Submit abstract of final report to Director, NIOSH, and copy of report and abstract to DTS (4Q82)										CcDpye 3801
										CcDpye 3802
										CcDpye 3803
										CcDpye 3804
2. Evaluation of the Effects of Washed Cotton Dust (Merchant J 304-599-7474) (0.1/5.0/10.0) (100/VKA-eDg-105)	81	82							e g a	CCDgre 3807
.1 Develop protocol (4Q80)										CCDgre 3808
.2 Complete peer review				o						CCDgre 3811
.3 Obtain HSRB clearance				o						CCDgre 3812
.4 Develop subject population jointly with USDA				o						CCDgre 3813
.5 Complete medical screening of subjects				o						CCDgre 3814
.6 Complete exposure trials							o			CCDgre 3815
.7 Complete analysis of results (1Q82)										CCDgre 3816
.8 Complete final report and submit abstract to Director, NIOSH with copy of abstract and report to DTS (4Q81)										CCDgre 3817
										CCDgre 3818
										CCDgre 3819
										CCDgre 3820
										CCDgre 3821

RESEARCH AND DEMONSTRATION GRANTS

Office of Extramural Coordination and Special Projects

By means of research and demonstration grants, and P.L.-480 research projects, NIOSH supports research and demonstrations at appropriate academic and other institutions, domestic and foreign, with interest in, and capability of, conducting research and performing demonstrations relating to problems and issues in identification and prevention of occupational disease and injury. Research grant projects produce information which contributes to (1) the establishment or confirmation of a problem, (2) the underlying mechanisms of a problem, or (3) an innovative technique or approach for dealing with the problem. Demonstration projects address the technical feasibility or application of (1) a new or improved procedure, technique, or system, or (2) an innovative method, technique, or approach for eliminating or minimizing a hazard. Information from this program contributes to data and criteria for OSH standards, initiatives, and intelligence bulletins, to information which can be disseminated to labor and industry, and to the basic state-of-the-art knowledge in the field of occupational disease and injury prevention.

Within the grants program, special attention is being given to certain initiative areas for which RFAs have been or will be written, such as new investigators' research projects on skin disorders, reproductive effects, mining, cardiovascular disease, digestive diseases, neurotoxicology, safety, energy, and control technology.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY I C	PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES		
		1Q	2Q	3Q	4Q	PY	NPF	TF			
							\$1000	\$1000			
*****RESEARCH AND DEMONSTRATION GRANTS*****										t	3826
										t	3827
OFFICE OF EXTRAMURAL COORDINATION AND SPECIAL PROJECTS										F	3828
										F	3829
1. Research and Demonstration Grants (Calhoun, 443-4493)	71	C								FaXyNt	3830
(VCE-G60-016) (0/9.6/9.6) (100/VCE-tXy-875)										FaXyNt	3831
(VCE-G60-017) (9/0.230/0.210) (100/VCE-tXy-874)										FaXyNt	3832
										FaXyNt	3833
.1 Program Development										FaXyNt	3834
a. Develop for Publication Program Announcements/RFAs for the following emphasis areas										FaXyNt	3835
.01 Mining										FaXyNt	3836
.02 HMO			o							FaXyNt	3837
.03 Young Investigators				o						FaXyNt	3838
.04 Safety/Respirators					o					FaXyNt	3839
.05 Digestive Diseases						o				FaXyNt	3840
b. No. of Announcements/RFAs mailed out				80	300	400				FaXyNt	3841
c. Publication and distribution of FY '80 Annual Report for information and public relations/Grant Stimulation. Include the publication of a research grant program accession list										FaXyNt	3842
.01 Monitor contract to completion										FaXyNt	3843
.02 Develop dissemination strategy			o							FaXyNt	3844
.03 Publish and distribute				o						FaXyNt	3845
d. Pre-proposal Review										FaXyNt	3846
.01 Establish Policy and Procedures			o							FaXyNt	3847
.02 No. of pre-proposals and written inquiries received				10	20	30				FaXyNt	3848
.2 Program Monitoring and Evaluation										FaXyNt	3849
a. Develop training and communication for T.A.s										FaXyNt	3850
.01 Conduct T.A. discussion to identify problems			o							FaXyNt	3851
.02 Prepare T.A. handbook			o							FaXyNt	3852
.03 Develop and supplement T.A. reporting			o							FaXyNt	3853
b. Identify troubled grant projects and conduct site visits			1	3	5					FaXyNt	3854
c. Develop guidance for advisory role for SOH Study Section			o							FaXyNt	3855
d. No. of Type 5 justifications prepared				5	17	28				FaXyNt	3856
e. Survey T.A.s for significant FY '81 results based on progress to date and publications (to update FY '81 summaries)							o			FaXyNt	3857
.3 Grant Application Review and Funding										FaXyNt	3858
a. Conduct Secondary Review Process										FaXyNt	3859
.01 Hold NIOSH Division meetings				o	o	o				FaXyNt	3860
.02 Prepare packages and conduct "Council" review				o	o	o				FaXyNt	3861
.03 Prepare funding packages for Type 1 & 2s				o	o	o				FaXyNt	3862
b. Safety and Occupational Health Study										FaXyNt	3863
										FaXyNt	3864
										FaXyNt	3865
										FaXyNt	3866
										FaXyNt	3867
										FaXyNt	3868
										FaXyNt	3869
										FaXyNt	3870
										FaXyNt	3871

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F			RESOURCES					
	I	C	1Q	2Q	3Q	4Q	O	C	N	PY	\$1000	\$1000	
			1Q	2Q	3Q	4Q	G	H	D				
.01 Percent grant applications received sent to reviewers 2 months prior to meeting			100	100	100								FaXyNt 3872
													FaXyNt 3873
.02 Hold Study Section meetings			o	o	o								FaXyNt 3874
.03 Research grant applications reviewed			55	60	70								FaXyNt 3875
.04 Training grant applications reviewed			10	14	16								FaXyNt 3876
.05 Grant applications approved (percent)													FaXyNt 3877
Research			40	42	45								FaXyNt 3878
Training			30	35	38								FaXyNt 3879
Total			38	40	44								FaXyNt 3880
.06 Percent summary statements completed for printing within 30 days			100	100	100								FaXyNt 3881
													FaXyNt 3882
c. Develop plan for the review of Type 2 ERC applications					o								FaXyNt 3883
d. Develop and formalize ad hoc reviewers roster			o										FaXyNt 3884
e. Assist with preparation and clearance of nominations of new members for the Study Section						o							FaXyNt 3885
													FaXyNt 3886
f. Submit I.A. with NIH to OPPE for DRG Grant Processing and Review Services			o										FaXyNt 3887
													FaXyNt 3888
g. Submit appropriate grants for HSRB review prior to funding decisions				o	o	o							FaXyNt 3889
													FaXyNt 3890
.4 Program Management													FaXyNt 3891
a. Develop FY '81 work plan update procedure			o										FaXyNt 3892
b. Submit memorandum of need for contract for standard operating and review procedures guide (i.e., procedures to avoid potential conflicts of interest and to assure HSRB reviews etc.)			o										FaXyNt 3893
													FaXyNt 3894
													FaXyNt 3895
													FaXyNt 3896
c. Award contract for standard operating procedures guide				o									FaXyNt 3897
d. Develop and establish close working relationships with grant program monitoring and review personnel for NIOSH interface groups (NIH/OSHA/EPA, etc.)					o								FaXyNt 3898
													FaXyNt 3899
													FaXyNt 3900
													FaXyNt 3901

CONTROL TECHNOLOGY

Division of Biomedical and Behavioral Science

One approach to control technology is to replace hazardous materials at the workplace with those presenting no hazard. In this vein, DBBS is investigating the toxicity of a number of materials being proposed as substitutes for commonly used materials in sandblasting operations. The goal of this research is to identify any toxic material before it is used on a large scale by workers.

Division of Physical Sciences and Engineering

The goal is preventing hazardous exposure of workers through applications of technology. The program is a catalyst which will accomplish the goal by emphasizing assessment activities and real-time monitoring. An experienced and knowledgeable staff will be the nucleus that impacts the academic training, professional community, and equipment manufacturers/purchasers to consider the worker as a critical component of the production cycle. All new efforts will be targeted to be completed within 2 years with the majority of them being done in 1 year. In FY 1981 there also will be increased cooperative efforts with various organizations such as NSB Cooperative Program and EPA technology efforts.

Division of Respiratory Disease Studies

Energy - The FY 1981 Energy Technologies Program is designed to begin the development of occupational health hazard information for emerging energy industries, information suitable for consideration in the selection of technology options for development or deployment, or suitable for technology modification or controls to mitigate hazards. The program will develop emission and exposure information and predictive models for processes, unit operations, and components. It will review, select, and in part develop and perform biological activity assays on representative materials as a basis for projection of human risk. It will develop medical surveillance protocols and an epidemiology registry for energy workers.

Technologies to be studied in FY 1981 are direct coal liquefaction, indirect liquefaction, fluidized bed combustion, conventional combustion with environmental control technology, and oil shale. In addition to pilot plant studies of these technologies, detailed preparation for studies in forthcoming large demonstration plants will begin.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	FY	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF	
	I	C								\$1000	\$1000	
*****CONTROL TECHNOLOGY*****												g 3905
												g 3906
DIVISION OF BIOMEDICAL AND BEHAVIORAL SCIENCE												A 3907
												A 3908
1. Fibrogenicity of Mineral Substitutes (L. Stettler 684-8337) (VOT/T24-797)(0.1/0.5/3.0)(0.1/1.0/4.0)(100/VOT-gDg-383)	80	83										g c a 3910
												AdDgpg 3911
												AdDgpg 3912
.1 Hazard data sheet (H.D.S.):												AdDgpg 3913
a. Develop H.D.S. (1Q80)												AdDgpg 3914
b. Submit H.D.S. to Director, DBBS (1Q80)												AdDgpg 3915
c. Submit H.D.S. to all project staff (1Q80)												AdDgpg 3916
.2 Consult Information Office (1Q80)												AdDgpg 3917
.3 Submit progress reports to Director, DBBS												AdDgpg 3918
.4 Initiate pilot study to determine maximum tolerated dose (MTD). (2Q80)												AdDgpg 3919
.5 Complete MTD study (3Q80)												AdDgpg 3920
.6 Initiate fibrogenicity study (3Q80)												AdDgpg 3921
.7 Perform 6-month serial sacrifice												AdDgpg 3922
.8 Perform 12-month serial sacrifice												AdDgpg 3923
.9 Complete 18-month fibrogenicity study: terminal sacrifice (2Q82)												AdDgpg 3924
.10 Complete histologic evaluation and pathology report (2Q83)												AdDgpg 3925
.11 Submit final project report to Director, DBBS (3Q83)												AdDgpg 3926
.12 Submit abstract to Director, NIOSH (3Q83)												AdDgpg 3927
												AdDgpg 3928
												AdDgpg 3929
												AdDgpg 3930
DIVISION OF PHYSICAL SCIENCES AND ENGINEERING												B 3932
												B 3933
2. Control Technology for Energy Systems (P. Froehlich, 684-4295) (VQC-E31-407)(VQC-E31-417)(VQC-E31-930)(100/VQC-gis-404)	78	81										g c a 3935
												Baisjg 3936
												Baisjg 3937
.1 Assess Control Technology for the Pulp and Paper Industry												Baisjg 3938
a. Complete in-depth surveys												Baisjg 3939
b. Receive final report												Baisjg 3940
c. Transmit final report to Director, NIOSH												Baisjg 3941
.2 Assess Control Technology for Diesel-Powered Equipment in Mines												Baisjg 3942
a. Complete in-mine evaluations												Baisjg 3943
b. Transmit final report to Director, NIOSH												Baisjg 3944
.3 Assess Control Technology for New Energy Conversion Processes (Coal Gasification and Liquefaction)												Baisjg 3945
a. Receive final report												Baisjg 3946
b. Transmit final report to Director, NIOSH												Baisjg 3947
												Baisjg 3948
												Baisjg 3949
												Baisjg 3950

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	PLANNED COMPLETION				P M F			RESOURCES		
	FY		1Q	2Q	3Q	4Q	O C N	NPF	TF	
	I	C					G H D	PY	\$1000 \$1000	
3. Applied Control Technology Studies (P. Caplan, 684-4221) (100/VQC-ghg-403)	81	81					g c a			Bahgeg 3953
.1 Implement intelligence system to identify and prioritize CTA candidates			o							Bahgeg 3954
.2 Provide consultation on hazard control technology to DSHEFS on HHE and IWS studies			2	4	6	8				Bahgeg 3955
.3 Provide consultation to DCSD on control technology for				1		2				Bahgeg 3956
										Bahgeg 3957
										Bahgeg 3958
										Bahgeg 3959
										Bahgeg 3960
										Bahgeg 3961
										Bahgeg 3962
4. Control Technology Assessment - Plating and Cleaning Operations (D. Hurley, 684-4295) (VQC-T31-445)(100/VQC-gth-445)	80	81					g c a			Bathyg 3965
.1 Initiate Preliminary Surveys (4Q80)										Bathyg 3966
.2 Complete in-depth surveys						o				Bathyg 3967
.3 Submit abstract of report to Director, NIOSH (copy to DTS)						o				Bathyg 3968
										Bathyg 3969
										Bathyg 3970
										Bathyg 3971
										Bathyg 3972
5. Feasibility Assessment of Control of Inorganic Mercury (A. Amendola, 684-4221) (VQC-D31-418)(0.2/5.0/10.0)(100/VQC-gyy-405)	80	82					g c a			Bayyyg 3975
.1 Award Contract			o							Bayyyg 3976
.2 Complete tripartite review				o						Bayyyg 3977
.3 Complete field surveys (2Q82)										Bayyyg 3978
.4 Submit final report to Director, NIOSH (copy to DTS)(4Q82)										Bayyyg 3979
										Bayyyg 3980
										Bayyyg 3981
										Bayyyg 3982
										Bayyyg 3983
6. Control Technology Assessment of Chemical Processes (H. Van Wagenen, 684-4295) (0.5/10.0/23.0)(0.1/5.0/7.5)(100/VQC-gty-406)	81	83					g a a			Batyyg 3986
.1 CTA-Chemical Process Batch Unit Operations										Batyyg 3987
a. Contract awarded			o							Batyyg 3988
b. Complete tripartite meeting				o						Batyyg 3989
c. Complete preliminary surveys (1Q82)										Batyyg 3990
d. Complete in-depth surveys (3Q82)										Batyyg 3991
e. Submit final report to Director, NIOSH (copy to DTS) (1Q83)										Batyyg 3992
										Batyyg 3993
										Batyyg 3994
										Batyyg 3995
										Batyyg 3996
.2 CTA-Petroleum Refining Industry										Batyyg 3997
a. Contract awarded			o							Batyyg 3998
b. Complete tripartite meeting				o						Batyyg 3999
c. Complete preliminary surveys (1Q82)										Batyyg 4000
d. Complete in-depth surveys (2Q82)										Batyyg 4001
e. Submit final report to Director, NIOSH (4Q82)										Batyyg 4002
										Batyyg 4003

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	PLANNED COMPLETION				P M F R E U O C N			RESOURCES			
	FY	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
	I	C								\$1000	\$1000
7. Electronics Components Industry Pilot Study (M.Klein 684-4295) (100/VQC-ggy-413)	81	81				g	c	a			
.1 Receive IPPEU from NIOSH/EPA IAA										Bayyyg	4006
.2 Complete orientation visits				o						Bayyyg	4007
.3 Complete outline for NIOSH control technology guidelines					o					Bayyyg	4008
										Bayyyg	4009
										Bayyyg	4010
										Bayyyg	4011
										Bayyyg	4012
8. Control Technology Assessment and Demonstration (R. Hughes, 684-4295) (0.5/10.0/22.5)(100/VQC-gdv-407)	81	82				g	b	a			
.1 Control Technology Assessment of Biotechnology										Badveg	4015
a. Obtain agency signatures for EPA/NIOSH IAA (4Q80)										Badveg	4016
b. Receive IPPEU from NIOSH/EPA IAA					o					Badveg	4017
c. Receive final report (4Q82)										Badveg	4018
.2 Disseminate Results of Primary Aluminum Control Technology Assessment										Badveg	4019
a. Submit final report to Director, DPSE (copy to DTS)			o							Badveg	4020
.3 Conduct Pesticide Formulation and Manufacturing Symposium										Badveg	4021
a. Conduct symposium			o							Badveg	4022
b. Submit symposium proceedings to Director, DPSE				o						Badveg	4023
										Badveg	4024
										Badveg	4025
										Badveg	4026
										Badveg	4027
										Badveg	4028
										Badveg	4029
										Badveg	4030
9. Materials Processing - Control Technology Assessment (W. Heitbrink, 684-4442) (4.0/35.0/135.0)(0.6/10.0/25.0)(100/VQC-ggy-414)	81	83				g	c	a			
.1 CTA of an Agent to be Specified										Bagyyg	4033
a. RFC sent to OAMS										Bagyyg	4034
b. Complete orientation visits				o						Bagyyg	4035
c. Contract awarded					o					Bagyyg	4036
d. Complete field studies (2Q83)										Bagyyg	4037
e. Submit abstract to Director, NIOSH (copy to DTS)(4Q83)										Bagyyg	4038
.2 CTA of Fiber Glass Manufacturing Facilities and Users										Bagyyg	4039
a. Complete literature search								o		Bagyyg	4040
b. Submit abstract to Director, NIOSH (copy to DTS)(4Q83)										Bagyyg	4041
.3 CTA of Chemical Adhesive Bonding										Bagyyg	4042
a. Complete study plan			o							Bagyyg	4043
b. Complete preliminary surveys								o		Bagyyg	4044
c. Complete field surveys (2Q82)										Bagyyg	4045
d. Submit final report to Director, NIOSH (copy to DTS) (4Q82)										Bagyyg	4046
										Bagyyg	4047
										Bagyyg	4048
										Bagyyg	4049
										Bagyyg	4050
										Bagyyg	4051
										Bagyyg	4052

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
13. Control Technology Assessment Special Projects and Support to Mining and Minerals (R. Mahon, 684-4224) (100/VQC-gpp-410)	81	81					g	d	a			
.1 Provide health hazard control technology field support in the mining and minerals industry to DSHEFS and DRDS on HHE, IWS, and NOHS studies				2		4					Bapppg	4107
.2 Provide health hazard control technology input to DCSD, DTMD, and OECSP (Grants)				1		2					Bapppg	4108
											Bapppg	4109
											Bapppg	4110
											Bapppg	4111
											Bapppg	4112
											Bapppg	4113
											Bapppg	4114
											Bapppg	4115
											Bapppg	4116
14. Control Technology Assessment Mining and Minerals Industry Processes (F. Godbey, 684-4442) (0.6/10.0/25.0)(100/VQC-gmu-412)	81	82					g	b	d		Bamufg	4119
.1 Mica, Talc, Vermiculite (Siliceous) Ore Beneficiation Operations											Bamufg	4120
a. Complete literatures search									o		Bamufg	4121
.2 Galena and Cerussite (Lead) Ore Beneficiation Operations											Bamufg	4122
a. RFC sent to OAMS			o								Bamufg	4123
b. Contract awarded											Bamufg	4124
c. Complete in-depth surveys (2Q82)											Bamufg	4125
d. Complete final report (4Q82)											Bamufg	4126
											Bamufg	4127
											Bamufg	4128
											Bamufg	4129
											Bamufg	4130
											Bamufg	4131
15. Scrap Lead Reprocessing Control Demonstration (R. Hughes 684-4296) (0.3/5.0/12.5)(0.3/5.0/12.5)(100/VQC-gvm-409)	81	83					g	c	d		Bavmig	4134
a. Contract awarded (unsolicited)											Bavmig	4135
b. Complete demonstration of two controls (2Q82)											Bavmig	4136
c. Receive final report (3Q83)											Bavmig	4137
d. Submit abstract of final report to Director, NIOSH (4Q83)											Bavmig	4138
											Bavmig	4139
											Bavmig	4140
											Bavmig	4141
											Bavmig	4142
											Bavmig	4143
16. Control Technology Assessment of Cement Manufacturing Industry (V. Hairpl 684-4295) (VQC-T31-448)(1.0/307.0/330.9)(100/VQC-gpm-416)	80	82					g	a	d		Bapmtg	4146
.1 Contract Awarded (4Q80)											Bapmtg	4147
.2 Complete Tripartite Review Meeting											Bapmtg	4148
.3 Initiate Field Surveys											Bapmtg	4149
.4 Complete In-depth Surveys (3Q82)											Bapmtg	4150
.5 Submit Final Report to Director, NIOSH (copy to DTS)(4Q82)											Bapmtg	4151
											Bapmtg	4152
											Bapmtg	4153
											Bapmtg	4154
											Bapmtg	4155

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	FY	I	Q	Q	Q	Q	G	H	D	PY	\$1000	\$1000
	I C	1Q	2Q	3Q	4Q	G	H	D				
17. Control Monitoring Equipment Assessment (J. Smith 684-4266) (VQX-T31-455)(100/VQX-gjt-455)	79	81					g	b	a			
.1 Contract awarded (4Q79)											Bdjtrg	4158
.2 Receive final report			o								Bdjtrg	4159
.3 Submit final report to Director, NIOSH				o							Bdjtrg	4160
											Bdjtrg	4161
											Bdjtrg	4162
											Bdjtrg	4163
											Bdjtrg	4164
18. Develop Certification Criteria for Mine Dust Samplers (J. Bowman 684-4266) (VQX-R23-436)(1/50/80)(100/VQX-gNp-436)	79	82					g	c	b			
1. Refine certification criteria of personal sampler units											BdNpig	4167
a. Complete lab studies					o						BdNpig	4168
b. Transmit recommendations developed to DSR						o					BdNpig	4169
2. Validation of the personal sampling unit certification criteria											BdNpig	4170
a. RFC sent to OAMS			o								BdNpig	4171
b. Contract awarded				o							BdNpig	4172
c. Receive and distribute final report (2Q82)											BdNpig	4173
											BdNpig	4174
											BdNpig	4175
											BdNpig	4176
											BdNpig	4177
											BdNpig	4178
											BdNpig	4179
19. Instrumentation Technology Transfer (P. Baron 684-4266) (100/VQX-ggt-449)	81	81					g	c	a			
1. Prepare tutorials											BdgtNg	4182
a. Make presentations			1	2	3	4					BdgtNg	4183
2. Assist in updating industrial hygiene courses					o						BdgtNg	4184
3. Assist CTRB in dust monitoring during control assessments					o	o					BdgtNg	4185
											BdgtNg	4186
											BdgtNg	4187
											BdgtNg	4188
											BdgtNg	4189
											BdgtNg	4190
20. Control Research Initiative (J. Smith 684-4266) (100/VQX-gyg-456)	81	81					g	c	a			
.1 Formulation of research plan					o						Bdygig	4193
.2 Transmit recommendations to Director, DPSE						o					Bdygig	4194
											Bdygig	4195
											Bdygig	4196
											Bdygig	4197
											Bdygig	4198

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY I C	PLANNED COMPLETION				P M F R E U O C N G H D	PY	RESOURCES		
		1Q	2Q	3Q	4Q			NPF	TF	
								\$1000	\$1000	
DIVISION OF RESPIRATORY DISEASE STUDIES										
21. I.H. Characterization of Resource Recovery Ind. (Reaux C 304-599-7421) (VKP-E22-226) (100/VKP-giD-167)	78	81								C 4201
.1 Completion of remaining 3 resource recovery plant I.H. surveys and receipt of individual reports			o							C 4202
.2 Receipt of final report characterizing I.H. environment in Resource Recovery facilities with copy to Director, NIOSH and DTS (4Q81)										CbiDyg 4203
										CbiDyg 4204
										CbiDyg 4205
										CbiDyg 4206
										CbiDyg 4207
										CbiDyg 4208
										CbiDyg 4209
										CbiDyg 4210
										CbiDyg 4211
										CbiDyg 4212
22. Characterization of Yugoslavian Coal Gas. Plant (Reaux C 304-599-7421) (VKP-E22-909) (.5/59.5/80.0) (100/VKP-giD-168)	80	82								CbiDXg 4215
.1 Review and revise Yugoslavian project plan			o							CbiDXg 4216
.2 Negotiate final project plan on-site with Yugoslavian project managers				o						CbiDXg 4217
.3 Review reports from Yugoslavian project managers. (Time approximate due to planning stage of this project)							o			CbiDXg 4218
.4 Site project review								o		CbiDXg 4219
.5 Complete final report and submit abstract to Director, NIOSH, with copy of report and abstract to DTS (4Q82)										CbiDXg 4220
										CbiDXg 4221
										CbiDXg 4222
										CbiDXg 4223
										CbiDXg 4224
										CbiDXg 4225
										CbiDXg 4226
										CbiDXg 4227
										CbiDXg 4228
										CbiDXg 4229
DIVISION OF SAFETY RESEARCH										
23. Safety Research for Injury Prevention in Synfuel Industries (Cohen 923-7118) (100/VLA-gbp-803)	81	82								E 4231
.1 Review preliminary SRC-II plans in environmental impact statement background documents			o							E 4232
.2 Review Department of Energy health and safety program plans for SRC-II operation				o						EEbpiG 4234
.3 Identify required tasks and resources					o					EEbpiG 4235
.4 Coordination meeting DSR, DRDS, DPSE			o							EEbpiG 4236
.5 Prepare and award contract							o			EEbpiG 4237
.6 Prepare draft final recommendations report (2Q82)										EEbpiG 4238
.7 Submit recommendations report to Director, NIOSH (4Q82)										EEbpiG 4239
										EEbpiG 4240
										EEbpiG 4241
										EEbpiG 4242
										EEbpiG 4243
										EEbpiG 4244
										EEbpiG 4245
										EEbpiG 4246

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N G H D	PY	RESOURCES	
	I	C	1Q	2Q	3Q	4Q			NPF	TF
									\$1000	\$1000
24. Control Technology for Propane Distribution Operations (Lark 923-7454) (100/VLD-gbi-824)	80	81					g c a			Ebbiyg 4249
.1 Investigated 3 fire incidents in industrial propane distribution facilities (3Q80)										Ebbiyg 4250
.2 Inspected 3 propane distribution facilities which had not experienced fire incidents (3Q80)										Ebbiyg 4251
.3 Obtained over 30 case reports from NFPA										Ebbiyg 4252
.4 Draft article			o							Ebbiyg 4253
.5 Complete technical review of article				o						Ebbiyg 4254
.6 Complete editorial review				o						Ebbiyg 4255
.7 Obtain final approval for publication					o					Ebbiyg 4256
.8 Submit for publication					o					Ebbiyg 4257
25. Methods for Determining In-Situ Strength of Concrete (Parsons 923-7454) (.5/15000/27750) (100/VLD-gbq-826)	80	82					g b a			Ebbiyg 4258
.1 Contract 210-80-0036 awarded (4Q80)										Ebbiyg 4259
.2 Conduct review meeting			o							Ebbiyg 4260
.3 Prensation before the Construction Safety Standards Advisory Committee				o						Ebbiyg 4261
.4 Complete Phase I					o					Ebbiyg 4262
.5 Start Phase II (data collection and analysis)					o					Ebbiyg 4263
.6 Interim report (2Q82)										EbbqNg 4266
.7 Presentation of result to professional conference (3Q82)										EbbqNg 4267
.8 Submit draft report (3Q82)										EbbqNg 4268
.9 Submit final report (3Q82)										EbbqNg 4269
.10 Submit for publication (4Q82)										EbbqNg 4270
										EbbqNg 4271
										EbbqNg 4272
										EbbqNg 4273
										EbbqNg 4274
										EbbqNg 4275
										EbbqNg 4276
										EbbqNg 4277
										EbbqNg 4278
										EbbqNg 4279
										EbbqNg 4280
										EbbqNg 4281

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				P M F				RESOURCES			
	I C		1Q	2Q	3Q	4Q	O C N		NPF	TF		
	I	C					G	H	D	PY	\$1000	\$1000
26. Allowable Loads for a Multi-Story Concrete Structure (Parsons 923-7454) (1.0/26000/51500) (100/VLD-gbq-827)	81	83					g	c	a			
.1 Submit requisition for desktop computer			o							EbbqNg	4284	
.2 Complete development of 2 dimensional Macro element model				o						EbbqNg	4285	
.3 Complete computer program					o					EbbqNg	4286	
.4 Submit paper for review and approvals						o				EbbqNg	4287	
.5 Complete approvals and submit for publication							o			EbbqNg	4288	
.6 Develop 3 dimensional model (2Q82)								o		EbbqNg	4289	
.7 Rewrite program for mini computer (3Q82)									o	EbbqNg	4290	
.8 Submit paper for review (3Q82)										EbbqNg	4291	
.9 Complete approvals and submit for publication (4Q82)										EbbqNg	4292	
.10 Complete literature search on shoring (1Q83)										EbbqNg	4293	
.11 Complete development of shoring scheme (2Q83)										EbbqNg	4294	
.12 Complete final computer program (3Q83)										EbbqNg	4295	
.13 Complete final publication (4Q83)										EbbqNg	4296	
										EbbqNg	4297	
										EbbqNg	4298	
										EbbqNg	4299	
										EbbqNg	4300	
										EbbqNg	4301	

MONITORING EQUIPMENT DEVELOPMENT

Division of Biomedical and Behavioral Science

The development of dosimetry equipment appropriate for measuring and, eventually, monitoring of workers' exposure to nonionizing radiation forms the basis for a DBBS project. The goal of this project is to develop dosimetry equipment appropriate for both laboratory animal experiments as well as a predictor of human exposures to radiofrequency electromagnetic radiation.

Division of Physical Sciences and Engineering

Monitoring is the alert mechanism for identifying the need for corrective action when a process is out of control and to alert the worker to vacate the area of exposure. New monitoring techniques will be stimulated for dealing with multiple-substance exposure in real time.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES	
	FY	1Q	2Q	3Q	4Q	PY	NPF	TF	
	I C						\$1000	\$1000	
*****MONITORING EQUIPMENT DEVELOPMENT*****									h 4305
DIVISION OF BIOMEDICAL AND BEHAVIORAL SCIENCE									h 4306
1. RF/Microwave Dosimetry Development (D. Conover, 684-8432) (0.4/125.0/135.2)(100/VOG-hCa-353)	81	82				h d a			A 4307
.1 Magnetic Field Probes - NBS									A 4308
a. Submit NBS IA to Director, DBBS			o						AeCayh 4310
b. Submit IA to OPPE			o						AeCayh 4311
c. Award IA				o					AeCayh 4312
d. Initiate Magnetic Field Probe design				o					AeCayh 4313
e. Complete probe design					o				AeCayh 4314
f. Deliver Magnetic Field Probe to NIOSH						o			AeCayh 4315
g. Receive final IA report						o			AeCayh 4316
h. Submit final report to Director, DBBS						o			AeCayh 4317
i. Submit abstract to Director, NIOSH						o			AeCayh 4318
.2 RF Power Absorption Analyzer - NBS									AeCayh 4319
a. Submit NBS IA to Director, DBBS			o						AeCayh 4320
b. Submit IA to OPPE			o						AeCayh 4321
c. Award IA				o					AeCayh 4322
d. Initiate absorption analyzer development				o					AeCayh 4323
e. Complete design (3Q82)									AeCayh 4324
f. Deliver higher frequency RF absorption analyzer to NIOSH (4Q82)									AeCayh 4325
g. Receive final IA report (4Q82)									AeCayh 4326
h. Submit final report to Director, DBBS (4Q82)									AeCayh 4327
i. Submit abstract to Director, NIOSH (4Q82)									AeCayh 4328
.3 Submit progress report to Director, DBBS			o	o	o	o			AeCayh 4329
DIVISION OF PHYSICAL SCIENCES AND ENGINEERING									AeCayh 4330
2. Multiple Substance Monitoring-Chromatography-EPA (L. Doemeny 684-4266) (VQX-E23-448)(1/170/200)(100/VQX-hij-448)	76	82				h b c			AeCayh 4331
.1 Evaluate gas chromatograph									AeCayh 4332
a. RFC sent to OAMS									AeCayh 4333
b. Contract awarded				o					AeCayh 4334
c. Receive final report (4Q82)					o				AeCayh 4335
.2 Monitor Contract 80-126									B 4337
a. Receive annual report									B 4338
b. Receive final report (4Q82)					o				BdijNh 4340
c. Receive high sensitivity GC's (4Q82)									BdijNh 4341
									BdijNh 4342
									BdijNh 4343
									BdijNh 4344
									BdijNh 4345
									BdijNh 4346
									BdijNh 4347
									BdijNh 4348
									BdijNh 4349
									BdijNh 4350
									BdijNh 4351
									BdijNh 4352

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
5. Monitoring Strategies for Coal Mine Dust Exposure (J. Bowman 684-4266) (1/170/200)(1/65/100)(100/VQX-hNp-450)	81	83										
.1 Develop sampling strategies for coal mine dust												
a. Complete time-series analysis of existing coal dust data (together with DTS)												BdNpih 4388
b. Complete field measurement of dust variations in conjunction with DRDS												BdNpih 4389
c. RFC sent to OAMS (1Q82)												BdNpih 4390
d. Contract awarded (2Q82)												BdNpih 4391
e. Recommend strategies to NIOSH and MSHA (4Q83)												BdNpih 4392
.2 Applications of dust monitors in coal mines												BdNpih 4393
a. RFC sent to OAMS												BdNpih 4394
b. Contract awarded												BdNpih 4395
c. Receive monitoring package (4Q82)												BdNpih 4396
d. Complete collection of dust data (3Q83)												BdNpih 4397
f. Present revised dust monitoring protocol to MSHA (4Q83)												BdNpih 4398
6. Evaluation of Personal Exposure Systems to Support MSHA/OSHA Ceiling Standards (M.L. Woebkenberg 684-4266) (100/VQX-hpt-452)	81	81										
.1 Evaluation of the Monitox system for N02 and HCN												
a. Complete lab and field experiments												BdNpih 4399
b. Submit report of recommendations and findings to DPSE												BdNpih 4400
.2 Evaluation of CO Monitors												BdNpih 4401
a. Complete laboratory and field evaluations												BdNpih 4402
b. Submit method to DPSE, MCRB												BdNpih 4403
												BdNpih 4404
												BdNpih 4405
												BdNpih 4406
												BdptNh 4409
												BdptNh 4410
												BdptNh 4411
												BdptNh 4412
												BdptNh 4413
												BdptNh 4414
												BdptNh 4415
												BdptNh 4416
												BdptNh 4417
												BdptNh 4418
												BdptNh 4419
												BdptNh 4420
												BdptNh 4421

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
7. Aerosol Monitoring Development (P. Baron 684-4266) (VQX-E23-932)(1/20/50)(100/VQX-hgp-454)	76	82					h	b	d			
.1 Pat Fiber Generation System										BdgpNh	4424	
a. RFC sent to OAMS			o							BdgpNh	4425	
b. Contract awarded				o						BdgpNh	4426	
c. Receive system (1Q82)										BdgpNh	4427	
.2 Fiber Counter Evaluation										BdgpNh	4428	
a. Complete laboratory testing						o				BdgpNh	4429	
b. Submit final report to DTS and DPSE							o			BdgpNh	4430	
.3 Personal Dust Exposure Monitor										BdgpNh	4431	
a. IA sent to OPPE			o							BdgpNh	4432	
b. Receive prototype and final report (4Q82)										BdgpNh	4433	
.4 Co-sponsor International Dust Symposium with BOM										BdgpNh	4434	
a. Hold symposium (1Q82)										BdgpNh	4435	
b. Receive proceedings (3Q82)										BdgpNh	4436	
.5 Portable X-ray Fluorescence Analyzer										BdgpNh	4437	
a. Receive instrument and contract report (4Q80)						o				BdgpNh	4438	
b. Complete laboratory and field experiments										BdgpNh	4439	
c. Submit final report (1Q82)										BdgpNh	4440	
										BdgpNh	4441	
										BdgpNh	4442	
										BdgpNh	4443	
										BdgpNh	4444	
DIVISION OF RESPIRATORY DISEASE STUDIES										C	4446	
										C	4447	
8. Aerosol Deposition in Humans (McCawley M 304-599-7421) (0.2/5.0/10.5) (100/VKP-hDy-163)	81	82					h	c	a			
.1 Obtain human subjects review board clearance										CbDyyh	4449	
.2 Prepare detailed cooperative protocol with Frankfurt group			o							CbDyyh	4450	
.3 Travel to Frankfurt and conduct cooperative validation study				o						CbDyyh	4451	
.4 Complete report on validation tests						o				CbDyyh	4452	
.5 Testing of worker group (100 people) 50 people tested							o			CbDyyh	4453	
50 people tested								o		CbDyyh	4454	
.6 Report on tests of worker group (1Q82)										CbDyyh	4455	
.7 Complete final report and submit abstract to Director, NIOSH, with copy of report and abstract to DTS (4Q82)										CbDyyh	4456	
										CbDyyh	4457	
										CbDyyh	4458	
										CbDyyh	4459	
										CbDyyh	4460	
										CbDyyh	4461	
										CbDyyh	4462	
										CbDyyh	4463	
										CbDyyh	4464	
										CbDyyh	4465	
										CbDyyh	4466	

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES			
	I	C	1Q	2Q	3Q	4Q	R E U			NPF	TF		
							O	C	N				
							G	H	D	PY	\$1000	\$1000	
9. Demonstration Plant Design IH Review-SRC II (Wallace W 304-599-7421) (1.0/73.0/100) (1.0/75.0/105.0) (1.0/80.0/110.0) (100/VKP-hiD-152)	81	84											
.1 Establish interdivisional working group													CbiDBh 4469
.2 Provide background information on SRC II process and plant to working group													CbiDBh 4470
.3 Identify required tasks and resources													CbiDBh 4471
.4 Coordination meetings													CbiDBh 4472
.5 Prepare necessary funding supplement													CbiDBh 4473
.6 Contract and Interagency Agreement preparation													CbiDBh 4474
.7 Complete in-house studies (2Q82)													CbiDBh 4475
.8 Prepare and review draft final recommendations report (3Q82)													CbiDBh 4476
.9 Submit recommendations report to Director NIOSH (3Q82)													CbiDBh 4477
.10 Review demonstration plant schedules of DOE, TVA, Dept. of Agriculture, Dept. of Defense Synthetic Fuels Corporation (2Q82)													CbiDBh 4478
.11 Select demo projects for design review (2Q82)													CbiDBh 4479
.12 Complete demonstration plant design review for selected plants (3Q82)													CbiDBh 4480
.13 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS(4Q 4)													CbiDBh 4481
													CbiDBh 4482
													CbiDBh 4483
													CbiDBh 4484
													CbiDBh 4485
													CbiDBh 4486
													CbiDBh 4487
													CbiDBh 4488
													CbiDBh 4489
													CbiDBh 4490
													CbiDBh 4491
													CbiDBh 4492
													CbiDBh 4493

ANALYTICAL METHODS DEVELOPMENT

Division of Physical Sciences and Engineering

The major thrust in this program area is to ensure the availability of sampling and analytical methodology to support various NIOSH and regulatory agency needs. Quicker and lower levels of detection are the goals of these efforts to provide worker protection.

Division of Technical Services

The project on Statistical Development Activities provides for development of statistical methodology which is needed to support NIOSH programs. For example, statistical sampling strategies and sampling schedules have been developed for employers to use in monitoring worker exposures to toxic substances in the workplace. The sampling strategies are designed to ensure compliance with OSHA-permissible exposure limits for every worker. Statistical methods have also been developed for placing limits of error on exposure measurements. These are in use by OSHA to provide support for noncompliance citations. Staff statisticians perform reviews and give testimony as expert witnesses to support OSHA noncompliance citations and to support criteria and standards development. Also, statistical seminars and training course lectures are given to inform NIOSH scientists about specialized applications of statistics which could be useful to them in their research activities.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY			NPF	TF
													\$1000	\$1000
*****ANALYTICAL METHODS DEVELOPMENT*****														i 4497
DIVISION OF PHYSICAL SCIENCES AND ENGINEERING														i 4498
1. Applied Analytical Support Methodology (J. Palassis 684-4220) (100/VQK-iXX-424)	81	81									i c a		B 4499	
.1 Develop an analytical method for the analysis of metals in urine using ICP-AES				o									B 4500	
.2 Complete investigation of solid sorbent collection of organic acids and analysis by ion-chromatography					o								BbXXyi 4502	
.3 Develop an analytical method for the analysis of metals in blood using ICP-AES						o							BbXXyi 4503	
.4 Develop a general class D method for asbestos analysis using XRD							o						BbXXyi 4504	
													BbXXyi 4505	
													BbXXyi 4506	
													BbXXyi 4507	
													BbXXyi 4508	
													BbXXyi 4509	
													BbXXyi 4510	
													BbXXyi 4511	
													BbXXyi 4512	
2. Analytical Methodology Investigations (C. Neumeister 694-4215) (100/VQK-iXX-428)	81	81									i c a		BbXXyi 4513	
.1 Submit abstract of a journal article on TLC clean-up of PNA's in asphalt				o									BbXXyi 4514	
.2 Submit improved PNA method to the NIOSH Manual of Analytical Methods								o					BbXXyi 4515	
.3 Participate in the Coordinating Research Council's Round Robin testing program for chemical characterization of diesel exhaust.					o	o	o						BbXXyi 4516	
.4 Submit a journal article on an analytical method for thiabendazole						o							BbXXyi 4517	
.5 Determine thermal reaction products of organophosphates					o								BbXXyi 4518	
													BbXXyi 4519	
													BbXXyi 4520	
													BbXXyi 4521	
													BbXXyi 4522	
													BbXXyi 4523	
													BbXXyi 4524	
													BbXXyi 4525	
													BbXXyi 4526	
													BbXXyi 4527	
													BbXXyi 4528	
													BbXXyi 4529	

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				PLANNED COMPLETION				P M F			RESOURCES			
	I	C	1Q	2Q	3Q	4Q	O	C	N	R	E	U	PY	NPF	TF
3. Research Analytical-Chemical Support for the NIOSH-EPA Diesel Exhaust/Coal Dust Animal Exposure Studies (NIOSH IA 79-3)(A. Lunsford, 684-4258; R. Glaser, 684-4257) (VQU-D23-410/VQU-G23-499)(2.0/30.0/80.0)(0.5/2.0/15.0) (100/VQU-ipB-440)(100/VQU-ipB-442)	80	83													
.1 Analyze samples from exposure chambers (estimated 108 per quarter)			o	o	o	o								BcpBii	4532
.2 Complete gas chromatographic profiles of fractionated extracts from diesel and coal particulate				o										BcpBii	4533
.3 Submit report on characterization of vapor contaminants (1Q82)														BcpBii	4534
.4 Submit report on characterization of diesel and coal particulate (2Q82)														BcpBii	4535
.5 Complete monitoring of exposure chambers (1Q83)														BcpBii	4536
.6 Submit report on monitoring of exposure chambers (2Q83)														BcpBii	4537
.7 Submit air monitoring method for acetone cyanohydrin to Manual			o											BcpBii	4538
														BcpBii	4539
														BcpBii	4540
														BcpBii	4541
														BcpBii	4542
														BcpBii	4543
														BcpBii	4544
														BcpBii	4545
														BcpBii	4546
														BcpBii	4547
														BcpBii	4548
														BcpBii	4549
														BcpBii	4550

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
4. Development of Methods for Monitoring Organics in Workplace Air (100/VQU-iiB-444)(100/VQU-iiB-443)(100/VQU-iiB-438) (100/VQU-iiB-439)(100/VQU-iiB-446)	81	81					i	b	a			
.1 Aldehydes (formaldehyde, acetaldehyde) (E. Kennedy 684-4259)												
a. Complete study of sampling parameters and stability				o								BciBDi 4553
b. Submit method to Manual						o						BciBDi 4554
.2 Volatile aliphatic amines (J. Posner, 684-4259)												BciBDi 4555
a. Complete evaluation of critical parameters of method				o								BciBDi 4556
b. Submit method to Manual						o						BciBDi 4557
.3 Polynuclear aromatic hydrocarbons by high-resolution gas chromatography (J. Posner, 684-4259)												BciBDi 4558
a. Develop plan of experiments				o								BciBDi 4559
b. Submit report for review						o						BciBDi 4560
.4 Isocyanates (S. Tucker, 684-4258)												BciBDi 4561
a. Submit method for 4,4'-methylenediphenyl isocyanate to Manual						o						BciBDi 4562
b. Complete screening experiments and select new analytical reagent						o						BciBDi 4563
c. Submit report on feasibility of new reagent								o				BciBDi 4564
.5 Analytical methods evaluation and validation, Contracts 210-79-0100 and 210-79-0102 (A. Lunsford, 684-4258)												BciBDi 4565
a. Receive method and report for vinyl bromide				o								BciBDi 4566
b. Receive method and report for benzenethiol and 1-octanethiol								o				BciBDi 4567
c. Receive method and report for polychloroterphenyls									o			BciBDi 4568
d. Receive (failure) report for vinyl fluoride and vinylidene fluoride				o								BciBDi 4569
e. Receive method and report for polychlorobenzenes				o								BciBDi 4570
.6 2,4,7-Trinitro-9-fluorenone (M. Seymour 684-4257)												BciBDi 4571
a. Define sample workup and analysis procedures				o								BciBDi 4572
b. Submit method to Manual						o						BciBDi 4573
.7 Ethylene glycol, submit method to Manual (S. Tucker 684-4258)				o								BciBDi 4574
												BciBDi 4575
												BciBDi 4576
												BciBDi 4577
												BciBDi 4578
												BciBDi 4579
												BciBDi 4580
												BciBDi 4581
												BciBDi 4582
												BciBDi 4583
												BciBDi 4584
												BciBDi 4585
												BciBDi 4586

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	PLANNED COMPLETION				P M F			RESOURCES				
	FY	1Q	2Q	3Q	4Q	O	C	N	NPF	TF		
	I C					G	H	D	PY	\$1000	\$1000	
5. Monitoring Methods for Mining (VQU-623-495)(0.5/5.0/18.0)(100/VQU-iNp-495)(100/VQU-iNp-435)	79	82				i	b	a				BcNpui 4589
												BcNpui 4590
												BcNpui 4591
.1 Silica and asbestos analytical methods (M. Abell, 684-4271)												BcNpui 4592
a. Receive collaborative test report on Phase II				o								BcNpui 4593
b. Receive final collaborative test report (3Q82)												BcNpui 4594
c. Complete report on XRD particle size correction technique (response to HHE)								o				BcNpui 4595
d. Complete report on evaluation of automated asbestos analyzer								o				BcNpui 4596
												BcNpui 4597
												BcNpui 4598
.2 Monitoring in mining industries (T. Carsey, 684-4271)												BcNpui 4599
a. Complete research field analyses for ICP method development			o									BcNpui 4600
b. Complete ICP analysis of EPA diesel exhaust/coal samples		24	48	72	96							BcNpui 4601
c. Complete ICP method and report								o				BcNpui 4602
d. Complete development of XRF standardization technique		o										BcNpui 4603
e. Submit XRF method and report to Director, DPSE			o									BcNpui 4604
												BcNpui 4605
												BcNpui 4606

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F			RESOURCES			
	I	C	1Q	2Q	3Q	4Q	O C N	NPF	TF		
			G	H	D	PY	\$1000	\$1000			
6. Inorganic Methods Support for OSHA (VQU-D23-498/VQU-523-490)(1.0/8.0/34.0)(100/VQU-iNt-433) (100/VQU-iNt-434)(100/VQU-iNt-498)	78	82					i b a			BcNtsi 4609	
										BcNtsi 4610	
										BcNtsi 4611	
.1 OSHA standards support (D. Sweet, 684-4271)										BcNtsi 4612	
a. Develop method for inorganic azides						o				BcNtsi 4613	
b. Submit azide method report to Director, DPSE							o			BcNtsi 4614	
c. Develop analytical method for organoantimony compounds				o						BcNtsi 4615	
d. Submit organoantimony method report to Director, DPSE							o			BcNtsi 4616	
.2 Inorganic methods research (D. Taylor, 684-4271)										BcNtsi 4617	
a. Receive talc and wood dust protocols (Contract 210-79-0060)										BcNtsi 4618	
b. Receive final contract report (210-79-0060)										BcNtsi 4619	
c. Submit Contract 210-79-0060 abstract to Director (1Q82)										BcNtsi 4620	
d. Receive organic tin compounds protocol from contractor (210-80-0066)										BcNtsi 4621	
e. Receive contract final report (210-80-0066) (1Q82)										BcNtsi 4622	
f. Submit Contract 210-80-0066 abstract to Director (2Q82)										BcNtsi 4623	
g. Receive protocol for chlorine, chlorine dioxide, and bromine from contractor (210-80-0067)										BcNtsi 4624	
h. Receive final report on chlorine, chlorine dioxide, and bromine - Contract 210-80-0067 methods development (1Q82)										BcNtsi 4625	
i. Submit Contract 210-80-0067 abstract to Director (2Q82)										BcNtsi 4626	
j. Publish Volume 7, "NIOSH Manual of Analytical Methods"										BcNtsi 4627	
.3 Passive monitoring for inorganic gases (D. Hull, 684-4271)										BcNtsi 4628	
a. Construct improved exposure chamber										BcNtsi 4629	
b. Evaluate passive monitor for N2O										BcNtsi 4630	
c. Submit report on N2O passive monitor to Director, DPSE										BcNtsi 4631	
d. Evaluate passive monitor for SO2										BcNtsi 4632	
e. Submit report on SO2 passive monitor to Director, DPSE										BcNtsi 4633	
										BcNtsi 4634	
										BcNtsi 4635	
										BcNtsi 4636	
										BcNtsi 4637	
										BcNtsi 4638	
										BcNtsi 4639	
										BcNtsi 4640	

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES					
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000	
7. Analytical Support for Control Technology (P. Eller, 684-4271) (VQU-T23-432)(100/VQU-iNv-432)	80	81					i	b	a				BcNvBi 4643
													BcNvBi 4644
													BcNvBi 4645
.1 Metal plating and cleaning CTA support													BcNvBi 4646
a. Develop protocols for inorganic monitoring													BcNvBi 4647
													BcNvBi 4648
b. Obtain and analyze field samples				60	80								BcNvBi 4649
c. Submit report on samples													BcNvBi 4650
.2 Heavy metal aerosols (Contract 210-79-0058)													BcNvBi 4651
a. Receive final report													BcNvBi 4652
b. Submit abstract to Director, NIOSH													BcNvBi 4653
.3 Redesign personal filter cassette for uniform sample coverage													BcNvBi 4654
a. Develop improved sampling configurations													BcNvBi 4655
b. Submit report to Director, DPSE													BcNvBi 4656
													BcNvBi 4657
													BcNvBi 4658
8. Characterization and Analysis of PNA's (J. Smith 684-4266) (VQX-M23-457)(0.2/15/20)(100/VQX-iBp-457)	80	82					i	c	b				BdBpvi 4661
													BdBpvi 4662
													BdBpvi 4663
.1 Collection and analysis of dieselized coal mine samples				2	4	6	8						BdBpvi 4664
.2 Draft final report (1Q82)													BdBpvi 4665
													BdBpvi 4666
DIVISION OF RESPIRATORY DISEASE STUDIES													
9. Statistical Design of IH Sampling (Hearl F 304-599-7421) (0.3/3.0/11.2) (100/VKP-iDp-164) (Hearl F x7421)	81	82					i	c	a				C 4668
													C 4669
.1 Complete initial contacts with target industries covered by OSHA permanent standards													CbDpyi 4671
.2 Select plants for data acquisition													CbDpyi 4672
.3 Acquire company collected environmental data													CbDpyi 4673
.4 Develop computer program for data analysis													CbDpyi 4674
.5 Prepare interim report													CbDpyi 4675
.6 Complete detailed analysis of employer and NIOSH data (2Q82)													CbDpyi 4676
.7 Submit decision on continuation with environmental surveys - or submit final report and transmit abstract to Director, NIOSH (3Q82)													CbDpyi 4677
													CbDpyi 4678
													CbDpyi 4679
													CbDpyi 4680
													CbDpyi 4681
													CbDpyi 4682
													CbDpyi 4683
													CbDpyi 4684
													CbDpyi 4685
													CbDpyi 4686
													CbDpyi 4687

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
10. Image Analysis of Chest X-Rays (Hankinson J 304-599-7755) (VKH-R32-205) (100/VKH-iDp-218)	80	81					i	c	b			
.1 Begin training of system for simple normal/abnormal classifier			o								CcDpyi	4690
.2 Complete analysis of system training data				o							CcDpyi	4691
.3 Complete design of automated chest x-ray interpretation system						o					CcDpyi	4692
.2 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS							o				CcDpyi	4693
								o			CcDpyi	4694
									o		CcDpyi	4695
										o	CcDpyi	4696
											CcDpyi	4697
											CcDpyi	4698
											CcDpyi	4699
											CcDpyi	4700
11. Respiratory Questionnaire Design & Validation (Attfield M 304-599-7501) (VKL-M22-257) (100/VKL-iDp-194)	80	81					i	c	a			
.1 Visit various locations and perform trials					o						CaDpyi	4703
.2 Analyze and report results to Director, DRDS						o					CaDpyi	4704
											CaDpyi	4705
											CaDpyi	4706
											CaDpyi	4707
											CaDpyi	4708
12. Epidemiological & Surveillance Methods Study (100/VKL-iDX-197) (.7/20.0/46.0) (.7/20.0/47.0) (VKL-iDX-197) (Hancock J x7501)	81	82					i	c	a			
.1 Set up criteria for evaluation			o								CaDXyi	4711
.2 Complete analysis of data on different computer systems					o						CaDXyi	4712
.3 Complete computer results and make recommendations (1Q82)											CaDXyi	4713
.4 Develop new system methods if recommended (4Q82)											CaDXyi	4714
											CaDXyi	4715
											CaDXyi	4716
											CaDXyi	4717
											CaDXyi	4718
											CaDXyi	4719
13. Epidemiologic Study of Normal Blue Collar Workers (Burchell B 304-599-7501)(VKL-R32-227) (2.5/40.0/108.2) (2.5/40.0/13.0) (100/VKL-iDp-195)	77	81					i	c	a			
.1 Analysis of symptoms from North Carolina (Complete)			o								CaDpyi	4722
.2 Analysis of x-rays from North Carolina (Complete)				o							CaDpyi	4723
.3 Analysis of pulmonary functions from North Carolina (Complete)					o						CaDpyi	4724
.4 Analysis of normals from North Carolina completed								o			CaDpyi	4725
.5 Complete final report and submit abstract to Director, NIOSH, with copy and report to DTS								o			CaDpyi	4726
											CaDpyi	4727
											CaDpyi	4728
											CaDpyi	4729
											CaDpyi	4730
											CaDpyi	4731
											CaDpyi	4732
											CaDpyi	4733

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
14. Methods Development for Evaluating Lung Disease (Frazer D 304-599-7561) (1.4/12.0/50.2) (1.4/15.0/55.9) (100/VKC-IDp-127)	81	83					i	c	a			
											CdDpyi	4736
											CdDpyi	4737
											CdDpyi	4738
											CdDpyi	4739
.1 Purchase and assemble instrumentation for gas trapping in rats in vivo				o							CdDpyi	4740
											CdDpyi	4741
.2 Measure characteristics of the gas trapping mechanism in rat lungs in vivo and compare with results previously found for excised lungs							o				CdDpyi	4742
											CdDpyi	4743
.3 Assemble and test equipment for simultaneously measuring lung sounds and trapped gas in animal lungs (2Q82)											CdDpyi	4744
											CdDpyi	4745
.4 Simultaneously measure lung sounds and gas trapping in vivo and identify the sounds that are associated with the gas trapping process in animals (2Q82)											CdDpyi	4746
											CdDpyi	4747
.5 Assemble and test equipment for simultaneously measuring lung sounds and trapped gas in humans (4Q82)											CdDpyi	4748
											CdDpyi	4749
.6 Measure lung sounds and trapped gas simultaneously in humans and characterize the sounds of different events associated with the gas trapping process in humans (2Q82)											CdDpyi	4750
											CdDpyi	4751
.7 Determine the effects of carrier gases on gas trapping in humans (3Q83)											CdDpyi	4752
											CdDpyi	4753
.8 Complete final report and submit abstract to Director, NIOSH with copy of report and abstract to DTS (4Q83)											CdDpyi	4754
											CdDpyi	4755
											CdDpyi	4756
											CdDpyi	4757
											CdDpyi	4758
											CdDpyi	4759
											CdDpyi	4760
											CdDpyi	4761
											CdDpyi	4762
											CdDpyi	4763

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES					
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000	
*****MEDICAL SURVEILLANCE AND SERVICES*****													J 4766
													J 4767
DIVISION OF RESPIRATORY DISEASE STUDIES													C 4769
													C 4770
1. Medical Surveillance of Gasification Workers (Banks D 304-599-7223) (0.3/10.0/50.9) (0.2/7.0/50.8) (100/VKH-jic-220)	81	83							j	b	c		CbiCBj 4772
.1 Planning meetings with TVA													CbiCBj 4773
.2 Submit RFC													CbiCBj 4774
.3 Award contract													CbiCBj 4775
.4 Completion of initial exams and tests													CbiCBj 4776
.5 Complete preliminary data analysis and													CbiCBj 4777
.6 Completion of 1 year surveillance (1Q82)													CbiCBj 4778
.7 Completion of 2 year surveillance (1Q83)													CbiCBj 4779
.8 Complete 1 year analysis and interim report to NIOSH (2Q82)													CbiCBj 4780
.9 Complete 2 year analysis (2Q83)													CbiCBj 4781
.10 Complete final report and submit abstract to Director, NIOSH, with copy of report and abstract to DTS (2Q83)													CbiCBj 4782
													CbiCBj 4783
													CbiCBj 4784
													CbiCBj 4785
													CbiCBj 4786
													CbiCBj 4787
													CbiCBj 4788

ERGONOMICS AND JOB DESIGN

Division of Biomedical and Behavioral Science

A major effort by DBBS will be undertaken in FY 1981 to investigate ergonomic factors important to workers' safety and health. Allied with this ergonomics effort will be a program in FY 1981 to address the effects of chronic trauma on workers' health. More specifically, projects will be performed that identify trauma resulting from cold stress, repetitive motion of the wrist and back, alternate work schedules, and contact of the skin with other surfaces. In FY 1981 a project will be initiated to redesign ergonomic factors in videodisplay terminal operations found to be associated with stress in VDT operators.

Division of Safety Research

The Division has developed long-range plans for occupational safety research which call for focusing attention on types of accidents that contribute most to workers' compensation costs. The results of this planning process led to the identification of eight program areas for FY 1980 (the eighth of which will be started as resources become available in FY 1981 or beyond). The seven highest priority programs identified are injury epidemiology; research on falls from elevations; research on "caught-in" type injuries; research in controlling overexertion injuries; support activities to other NIOSH divisions, other Federal agencies, and academia; technology transfer; and research on "struck-by" injuries.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				O	C	N	P	M	F	RESOURCES					
				1Q	2Q	3Q	4Q							G	H	D	PY	\$1000	\$1000
*****ERGONOMICS AND JOB DESIGN*****															k	4792			
															k	4793			
DIVISION OF BIOMEDICAL AND BEHAVIORAL SCIENCE															A	4794			
															A	4795			
1. Reducing Stress in Video Display Tasks (M. Dainoff, 684-8386) (1.0/125.0/150.0)(100/VOB-KAG-266)	81	82													k c a	AaAGyk	4797		
.1 Complete peer review																AaAGyk	4798		
.2 Obtain HSRB approval for subject testing																AaAGyk	4799		
.3 Complete development of task simulation																AaAGyk	4800		
.4 Submit progress report to Director, DBBS (1Q, 2Q, 3Q, 4Q82)																AaAGyk	4801		
.5 Initiate stage 1 and 2 testing of subjects																AaAGyk	4802		
.6 Complete stages 1 and 2 testing.																AaAGyk	4803		
.7 Initiate stage 3 testing																AaAGyk	4804		
.8 Complete stage 3 testing of subjects (3Q82)																AaAGyk	4805		
.9 Complete data analyses (3Q82)(4Q82)																AaAGyk	4806		
.10 Complete draft report (4Q82)																AaAGyk	4807		
.11 Submit final report to Director, DBBS (4Q82)																AaAGyk	4808		
.12 Submit abstract to Director, NIOSH (4Q82)																AaAGyk	4809		
																AaAGyk	4810		
																AaAGyk	4811		
																AaAGyk	4812		

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	PLANNED COMPLETION				P M F R E U O C N			RESOURCES			
	FY	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
	I	C								\$1000	\$1000
2. Machine-Paced Stress in Postal Workers (M. Smith, 684-8386) (VOB-B21-312) (1.0/15/40) (100/VOB-kAm-262)	79	82					k	b	a		
.1 Consult Information Office (1Q80)										AaAmyk	4815
.2 Submit progress report to Director, DBBS			o	o	o	o				AaAmyk	4816
.3 Longitudinal Study										AaAmyk	4817
a. Submit RFC to Director, DBBS (1Q79)										AaAmyk	4818
b. Obtain HSRB approval (1Q79)										AaAmyk	4819
c. Award contract (3Q79)										AaAmyk	4820
d. Obtain stress strain data (4Q79)(1Q80)(3Q80)										AaAmyk	4821
e. Award incremental funding (2Q80)										AaAmyk	4822
f. Submit final report to Director, DBBS (4Q81)										AaAmyk	4823
g. Submit abstract to Director, NIOSH C4Q80D(4Q82)										AaAmyk	4824
.4 National Questionnaire Survey										AaAmyk	4825
a. Obtain HSRB approval (1Q79)										AaAmyk	4826
b. Initiate survey data collection (4Q79)										AaAmyk	4827
c. Complete survey data collection (1Q80)										AaAmyk	4828
d. Complete survey data analysis			o							AaAmyk	4829
e. Complete final survey report				o						AaAmyk	4830
f. Submit final report to Director, DBBS				o						AaAmyk	4831
g. Submit abstract to Director, NIOSH				o						AaAmyk	4832
.5 Human Factors Evaluations										AaAmyk	4833
a. Submit RFC to Director, DBBS (1Q79)										AaAmyk	4834
b. Obtain HSRB approval (1Q79)										AaAmyk	4835
c. Award contracts (3Q79)										AaAmyk	4836
d. Complete site visits (2Q80)(4Q80)			3	3	2	2				AaAmyk	4837
e. Receive human factors report (1Q82)										AaAmyk	4838
f. Submit final report to Director, DBBS (3Q82)										AaAmyk	4839
g. Submit abstract to Director, NIOSH (4Q82)										AaAmyk	4840
										AaAmyk	4841
										AaAmyk	4842
										AaAmyk	4843
										AaAmyk	4844

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				G	H	D	PY	RESOURCES	
				1Q	2Q	3Q	4Q					NPF	TF
												\$1000	\$1000
3. Job Stress in Video Display Work (B. Stammerjohn, 684-8386) (VOB-B21-765) (2.0/30/80) (100/VOB-KAm-267)	78	82										AaAmak	4847
												AaAmak	4848
												AaAmak	4849
												AaAmak	4850
.1 Laboratory Studies												AaAmak	4851
A. Punch Press Simulation Task												AaAmak	4852
a. Complete punch-press simulator (3Q78)												AaAmak	4853
b. Initiate testing of subjects (4Q79)												AaAmak	4854
c. Complete testing of subjects				o								AaAmak	4855
d. Complete data analysis						o						AaAmak	4856
e. Complete draft final report							o					AaAmak	4857
f. Submit final report to Director, DBBS								o				AaAmak	4858
g. Submit abstract of final report to Director, NIOSH									o			AaAmak	4859
B. Data Entry Simulation Task												AaAmak	4860
a. Obtain HSRB approval				o								AaAmak	4861
b. Complete simulation task				o								AaAmak	4862
c. Initiate testing of subjects					o							AaAmak	4863
d. Complete testing of subjects (3Q82)												AaAmak	4864
e. Complete data analyses (3Q82)												AaAmak	4865
f. Complete final report (4Q82)												AaAmak	4866
g. Submit final report to Director, DBBS (4Q82)												AaAmak	4867
h. Submit abstract of final report to Dir., NIOSH (4Q82)												AaAmak	4868
.2 Worksite Studies												AaAmak	4869
A. University of Wisconsin Contract (210-79-0034)												AaAmak	4870
a. Award contract (3Q79)												AaAmak	4871
b. Expand data sample (3Q80)												AaAmak	4872
c. Review contractor's progress report				o	o	o	o					AaAmak	4873
d. Receive contractor's final report								o				AaAmak	4874
e. Submit final report to Director, DBBS								o				AaAmak	4875
f. Submit abstract of final report to Director, NIOSH								o				AaAmak	4876
B. Study of NIOSH Word Processing Operators												AaAmak	4877
a. Complete design of survey (4Q80)												AaAmak	4878
b. Administer first round of questionnaire				o								AaAmak	4879
c. Complete ophthalmologic examinations				o								AaAmak	4880
d. Complete questionnaire survey					o							AaAmak	4881
e. Complete data analyses						o						AaAmak	4882
f. Submit final report to Director, DBBS (1Q82)												AaAmak	4883
g. Submit final report to Director, NIOSH (1Q82)												AaAmak	4884
C. Data Collection Contract (Work/Rest Regimens)												AaAmak	4885
a. Obtain HSRB clearance				o								AaAmak	4886
b. Submit RFC to Director, DBBS					o							AaAmak	4887
c. Submit RFC to OAMS					o							AaAmak	4888
d. Award contract						o						AaAmak	4889
e. Submit request for OMB clearance							o					AaAmak	4890
f. Obtain OMB clearance (3Q82)												AaAmak	4891
g. Initiate data collection (3Q82)												AaAmak	4892
.3 Submit quarterly progress report to Director, DBBS				o	o	o	o						

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				P M F				RESOURCES		
	I C		1Q	2Q	3Q	4Q	O C N	G H D	PY	NPF	TF
									\$1000	\$1000	
4. Workshop on Machine-Pacing Stress (M. Smith, 684-8386) (VOB-B12-769) (100/VOB-kAm-276)	80	81						k a a			
.1 Submit RFC for Workshop to Director, DBBS (1Q80)											AaAmak 4893
.2 Submit RFC to contracts office (1Q80)											AaAmyk 4896
.3 Consult Information Office (1Q80)											AaAmyk 4897
.5 Submit progress report to Director, DBBS			o	o	o	o					AaAmyk 4898
.4 Award contract (3Q80)											AaAmyk 4899
.6 Hold workshop				o							AaAmyk 4900
.7 Receive transcript of workshop					o						AaAmyk 4901
.8 Submit final project report to Director, DBBS						o					AaAmyk 4902
.9 Submit abstract to Director, NIOSH							o				AaAmyk 4903
5. Stress/Trauma of Non-Traditional Jobs (B. Wilkes 684-8293) (1.3/80.0/110.0)(1.3/15.0/50.0)(100/VOB-KEf-285)	81	83						k c a			AaAmyk 4904
.1 Initiate information search			o								AaAmyk 4905
.2 Submit progress reports to Director, DBBS			o	o	o	o					AaAmyk 4906
.3 Complete information search 0 choose 2 job situations for study			o								AaAmyk 4907
.4 Engage ergonomics consultants				o							AaAmyk 4908
.5 Receive ergonomics evaluations					o						AaAmyk 4909
.6 Formulate job stress survey protocol						o					AaAmyk 4910
.7 Hold peer review						o					AaAmyk 4911
.8 submit study protocol for HSRB clearance							o				AaAmyk 4912
.9 Submit RFC for data collection contract to Director, DBBS								o			AaEfbk 4913
.10 Receive RSRB clearance									o		AaEfbk 4914
.11 Submit for OMB clearance										o	AaEfbk 4915
.12 Submit literature search report to Director, DBBS											AaEfbk 4916
.13 Submit abstract to Director, NIOSH											AaEfbk 4917
.14 Submit RFC to OAMS (1Q82)											AaEfbk 4918
.15 Obtain OMB clearance (2Q82)											AaEfbk 4919
.16 Award contract (3Q82)											AaEfbk 4920
.17 Iniriare survey data collection (3Q82)											AaEfbk 4921
.18 Complete data collection (4Q82)											AaEfbk 4922
.19 Complete draft report (2Q83)											AaEfbk 4923
.20 Complete final report and submit to Director, DBBS (3Q83)											AaEfbk 4924
.21 Submit abstract to Director, NIOSH (3Q83)											AaEfbk 4925
											AaEfbk 4926
											AaEfbk 4927
											AaEfbk 4928
											AaEfbk 4929
											AaEfbk 4930
											AaEfbk 4931
											AaEfbk 4932
											AaEfbk 4933
											AaEfbk 4934
											AaEfbk 4935
											AaEfbk 4936

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
			\$1000	\$1000							\$1000	\$1000
6. Repetitive Lifting: Limiting Factors (D. Badger, 684-8291) (VOK-W24-325) (100/VOB-kEp-265)	77	81					k	b	a			
.1 Complete peer review (1Q77)											AaEpNk	4939
.2 Complete contract Physiological Responses on Repetitive Lifting (HSM-99-79-93)(4Q77)											AaEpNk	4940
.3 Complete contract Physiological Responses of Women to Repetitive Lifting (210-77-0044)(4Q79)											AaEpNk	4941
.4 Complete in-house testing of physiological responses of repetitive lifting (waist to shoulder lifts)(4Q80)											AaEpNk	4942
.5 Submit progress report to Director, DBBS											AaEpNk	4943
a. Complete data analysis											AaEpNk	4944
b. Submit final report to Director, DBBS											AaEpNk	4945
c. Submit abstract to Director, NIOSH											AaEpNk	4946
.7 Dynamic Strength Tests (contract 210-79-0041)											AaEpNk	4947
a. Award contract Development of Dynamic Strength Tests (210-79-0041)(4Q79)											AaEpNk	4948
b. Complete phase I (210-79-0041)(3Q80)											AaEpNk	4949
c. Complete phase II (equipment design & preliminary testing)											AaEpNk	4950
d. Receive phase II report from contractor											AaEpNk	4951
e. Receive HSRB clearance for phase III (subject testing)											AaEpNk	4952
f. Begin phase III (subject testing) of contract											AaEpNk	4953
g. Completion of phase III by contractor											AaEpNk	4954
h. Submit final report to Director, DBBS											AaEpNk	4955
i. Submit abstract to Director, NIOSH											AaEpNk	4956
.8 Grip Size/Lifting Capacity Appraisal											AaEpNk	4957
a. Submit FFS request for consultant to develop strategy											AaEpNk	4958
b. Receive consultant report											AaEpNk	4959
c. Submit recommendations for future work report to Director, DBBS											AaEpNk	4960
d. Submit abstract to Director, NIOSH											AaEpNk	4961
											AaEpNk	4962
											AaEpNk	4963
											AaEpNk	4964
											AaEpNk	4965
											AaEpNk	4966
											AaEpNk	4967
											AaEpNk	4968
											AaEpNk	4969
											AaEpNk	4970

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	O	C	N	PY	NPF	TF
											G	H
7. Work Practices Guide for Lifting Tasks (D. Badger, 684-8291) (VOK-G21-277)(100/VOB-gEq-277)	79	81					k	b	a			
.1 Submit progress report to Director, DBBS			o	o	o	o						AaEqNk 4973
.2 Work Practices Guide												AaEqNk 4974
a. Receive draft of Guide from consultants (3Q79)												AaEqNk 4975
b. Obtain consultant's review (4Q80)												AaEqNk 4976
c. Complete review, submit for publication			o									AaEqNk 4977
d. Develop with DTMD strategies for disseminating guide information			o									AaEqNk 4978
e. Receive consultant's report on expanding guide					o							AaEqNk 4979
f. Submit final report to Director, DBBS					o							AaEqNk 4980
g. Submit abstract to Director, NIOSH						o						AaEqNk 4981
.3 Contract: one-handed repetitive lifting												AaEqNk 4982
a. Complete peer review of RFC (2Q79)												AaEqNk 4983
b. Award of Contract (210-80-0084)												AaEqNk 4984
c. Obtain HSRB clearance (4Q80)												AaEqNk 4985
d. Initiate subject testing (4Q80)												AaEqNk 4986
e. Receive final report from contractor						o						AaEqNk 4987
f. Submit report to Director, DBBS						o						AaEqNk 4988
g. Submit abstract to Director, NIOSH						o						AaEqNk 4989
.4 Application/Development Activities												AaEqNk 4990
a. Obtain fee for services data on select high risk lifting jobs			o									AaEqNk 4991
b. Initiate Demonstration Lifting project with SSA			o									AaEqNk 4992
c. Submit composite report on high risk lifting jobs to Director, DBBS						o						AaEqNk 4993
d. Complete setup of SSA demonstration project						o						AaEqNk 4994
e. Submit abstract to Director, NIOSH						o						AaEqNk 4995
f. Submit report to Director, DBBS						o						AaEqNk 4996
g. Submit abstract to Director, NIOSH						o						AaEqNk 4997
												AaEqNk 4998
												AaEqNk 4999
												AaEqNk 5000
												AaEqNk 5001
												AaEqNk 5002
												AaEqNk 5003
												AaEqNk 5004

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				P M F				RESOURCES				
	I	C	PLANNED COMPLETION		O	C	N	G	H	D	PY	NPF	TF
			1Q	2Q								3Q	4Q
8. Prevalence of Chronic Wrist Disorders (D. Habes 684-8286) (0.5/35.0/50.0)(0.5/35.0/50.0)(0.5/37.0/50.0)(100/VOB-KEr-280)	81	84								k b a			
.1 Submit progress report to Director, DBBS			o	o	o	o						AaErNk	5007
.2 Wrist Disorder Prevalence Determination (contract)												AaErNk	5008
a. Consult with DSHEFS's Epidemiologist			o									AaErNk	5009
b. Perform project peer review			o									AaErNk	5010
c. Submit RFC to OAMS				o								AaErNk	5011
d. Award contract					o							AaErNk	5012
e. Submit packages for HSRB and OMB clearances (contractor)						o						AaErNk	5013
f. Receive HSRB clearance (1Q82)												AaErNk	5014
g. Begin medical record review and plant site evaluations (1Q82)												AaErNk	5015
h. Receive OMB clearance (2Q82)												AaErNk	5016
i. Begin questionnaire administration (2Q82)												AaErNk	5017
j. Begin data evaluations, plants 2, 3, 4 (1Q83)												AaErNk	5018
k. Complete data analysis for plant sites 2, 3, 4 (4Q83)												AaErNk	5019
l. Begin data evaluations for plants 5, 6 (3Q83)												AaErNk	5020
m. Complete data analysis for plant sites 5, 6 (1Q84)												AaErNk	5021
n. Receive final report from contractor (3Q84)												AaErNk	5022
o. Submit final report to Director, DBBS (4Q84)												AaErNk	5023
p. Submit abstract to Director, NIOSH (4Q84)												AaErNk	5024
.3 Hazard Bulletin Development												AaErNk	5025
a. Submit Fee for Services Request				o								AaErNk	5026
b. Receive report from contractor (1Q82)												AaErNk	5027
c. Submit final report to Director, DBBS (2Q82)												AaErNk	5028
d. Submit abstract to Director, NIOSH (2Q82)												AaErNk	5029
.4 Wrist Disorder Data Purchases												AaErNk	5030
a. Submit Fee for Services for purchase #1 (hand/wrist data)				o								AaErNk	5031
b. Submit Fee for Services for purchase #2 (wrist/arm data)					o							AaErNk	5032
c. Receive report for data purchase #1 (hand/wrist data) (1Q82)												AaErNk	5033
d. Receive report for data purchase #2 (wrist/arm data)(2Q82)												AaErNk	5034
e. Submit final report to Director, DBBS (4Q82)												AaErNk	5035
f. Submit abstract to Director, NIOSH (4Q82)												AaErNk	5036
.5 Plant Intervention Study												AaErNk	5037
a. Submit Fee for Services Request					o							AaErNk	5038
b. Receive report from contractor (2Q82)												AaErNk	5039
c. Submit final report to Director, DBBS (4Q82)												AaErNk	5040
d. Submit abstract to Director, NIOSH (4Q82)												AaErNk	5041
												AaErNk	5042
												AaErNk	5043
												AaErNk	5044
												AaErNk	5045
												AaErNk	5046
												AaErNk	5047
												AaErNk	5048

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				O	C	N	G	H	D	PY	RESOURCES	
				1Q	2Q	3Q	4Q								NPF	TF
															\$1000	\$1000
9. Methods for Detecting Cumulative Injury Risks (V. Putz 684-8383) (1.0/65.0/90.0)(1.0/245.0/270.0)(1.0/65.0/90.0)(100/VOB-kEf-274)	81	84													AaEfNK	5051
															AaEfNK	5052
															AaEfNK	5053
.1 Administrative Aspects															AaEfNK	5054
a. Submit progress reports to Director, DBBS															AaEfNK	5055
b. Initiate literature search on Mental C.T.															AaEfNK	5056
c. Consult with DSHEFS' Epidemiologist															AaEfNK	5057
d. Conduct peer review															AaEfNK	5058
e. Submit revised protocol to Director, DBBS															AaEfNK	5059
.2 Preliminary Worksite Surveys															AaEfNK	5060
a. Develop chronic trauma check list for 2nd NOHS 9DSHEFS)															AaEfNK	5061
b. Collect chronic trauma statistics from S. S. disability claims															AaEfNK	5062
c. Initiate questionnaire development (1Q82)															AaEfNK	5063
d. Receive preliminary data from NOHS (2Q82)															AaEfNK	5064
e. Submit questionnaire to OMB for clearance (3Q82)															AaEfNK	5065
f. Receive OMB approval for questionnaire (3Q82)															AaEfNK	5066
g. Prepare Summary paper on findings (4Q82)															AaEfNK	5067
h. Submit Summary Report to Director, DBBS (4Q82)															AaEfNK	5068
i. Submit abstract to Director, NIOSH (4Q82)															AaEfNK	5069
.3 Laboratory Analysis of Methods															AaEfNK	5070
a. Initiate lab instrumentation															AaEfNK	5071
b. Obtain HSRB approval (1Q82)															AaEfNK	5072
c. Complete Lab instrumentation (2Q82)															AaEfNK	5073
d. Initiate pilot study of work motions/fatigue (2Q82)															AaEfNK	5074
e. Complete pilot subject testing (4Q82)															AaEfNK	5075
f. Complete statistical analysis (4Q82)															AaEfNK	5076
g. Initiate motion analysis and workload experiment (part 1) (1Q83)															AaEfNK	5077
h. Complete subject testing (part 1)(4Q83)															AaEfNK	5078
i. Complete subject testing (part 2)(1Q84)															AaEfNK	5079
j. Complete statistical analysis (2Q84)															AaEfNK	5080
k. Complete draft of report (3Q84)															AaEfNK	5081
l. Submit final lab report to Director, DBBS (4Q84)															AaEfNK	5082
m. Submit abstract to Director, NIOSH (4Q84)															AaEfNK	5083
.4 Final Worksite Survey Validation															AaEfNK	5084
a. Initiate draft of RFP (protocol)(3Q82)															AaEfNK	5085
b. Complete draft of RFP (protocol)(4Q82)															AaEfNK	5086
c. Submit RFC to Director, DBBS (1Q83)															AaEfNK	5087
d. Obtain preliminary HSRB approval (2Q83)															AaEfNK	5088
e. Submit to OAMS (2Q83)															AaEfNK	5089
f. Award contract (3Q83)															AaEfNK	5090
g. Receive draft report from contractor (3Q84)															AaEfNK	5091
h. Receive final report of contractor (4Q84)															AaEfNK	5092
i. Submit contractor's report to Director, DBBS (4Q84)															AaEfNK	5093
j. Submit abstract to Director, NIOSH 4Q84)															AaEfNK	5094
															AaEfNK	5095
															AaEfNK	5096

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				P M F				RESOURCES				
	I	C	PLANNED COMPLETION				O	C	N	PY	\$1000	\$1000	
			1Q	2Q	3Q	4Q							G
10. Occupational Disorders of the Wrist (D. Habes, 684-8291) (VOK-G24-282) (100/VOB-KEy-282)	79	81											AaEfNk 5097 AaEyNk 5100 AaEyNk 5101 AaEyNk 5102 AaEyNk 5103 AaEyNk 5104 AaEyNk 5105 AaEyNk 5106 AaEyNk 5107 AaEyNk 5108 AaEyNk 5109 AaEyNk 5110 AaEyNk 5111 AaEyNk 5112 AaEyNk 5113 AaEyNk 5114 AaEyNk 5115 AaEyNk 5116
.1 Complete literature search (1Q79)													
.2 Complete collection of prevalence data (4Q79)													
.3 Complete film analysis course (1Q80)													
.4 Initiate analysis of wrist positions (1Q80)													
.5 Complete analysis of wrist positions (2Q80)													
.6 Submit FFS requests for contract studies (2Q80)													
.7 Complete analysis of films obtained from Small Appliance Study													
.8 Receive final report on Small Appliance Study													
.9 Receive final report on Meat Cutting Study													
.10 Receive final report on Office Equipment Fadrication Study													
.11 Submit final reports to Director, DBBS													
.12 Submit abstract to Director, NIOSH													
11. Symposium of Workers' Macular Degeneration (C. Moss, 684-8482) (100/VOG-cGa-356)	81	81											AeGayk 5119 AeGayk 5120 AeGayk 5121 AeGayk 5122 AeGayk 5123 AeGayk 5124 AeGayk 5125 AeGayk 5126 AeGayk 5127 AeGayk 5128 AeGayk 5129
.1 Submit RFC to Director, DBBS													
.2 Submit RFC to OAMS													
.3 Submit progress report to Director, DBBS													
.4 Award contract													
.5 Convene symposium													
.6 Receive final report from contractor													
.7 Submit final report to Director, DBBS													
.8 Submit abstract to Director, NIOSH													

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
12. Health and Safety Effects of Cold Stress (W. Carlson 684-8286) (1.0/205.0/230.0)(1.0/75.0/100.0)(1.0/65.0/90.0) (100/VOB-eAf-283)	81	84					k	b	a			
											AaAfyk	5132
											AaAfyk	5133
											AaAfyk	5134
											AaAfyk	5135
.1 Administrative Aspects											AaAfyk	5136
a. Submit progress report to Director, DBBS											AaAfyk	5137
b. Obtain services of consultant (FFS)											AaAfyk	5138
c. Consult with DSHEFS's epidemiologist											AaAfyk	5139
d. Receive draft of project protocol											AaAfyk	5140
e. Complete project peer review											AaAfyk	5141
f. Submit revised protocol to Director, DBBS											AaAfyk	5142
.2 Cold Stress Contract											AaAfyk	5143
a. Complete draft of RFP to Director, DBBS											AaAfyk	5144
b. Submit cold questionnaire form to OMB											AaAfyk	5145
c. Obtain OMB approval (2Q82)											AaAfyk	5146
d. Submit RFP to OAMS (2Q82)											AaAfyk	5147
e. Award contract (3Q82)											AaAfyk	5148
f. Begin collection of data (4Q82)											AaAfyk	5149
g. Monitor contract (site visit (1Q83)											AaAfyk	5150
h. Receive health effects data summary (part I)(2Q83)											AaAfyk	5151
i. Complete collection of cold data (4Q83)											AaAfyk	5152
j. Receive and review 1st draft from contractor (2Q84)											AaAfyk	5153
k. Submit final report to Director, DBBS (3Q84)											AaAfyk	5154
l. Submit abstract to Director, NIOSH (4Q84)											AaAfyk	5155
.3 In-House functional effects experiments											AaAfyk	5156
a. Initiate instrumentation of lab											AaAfyk	5157
b. Calibrate cold sensors and equipment											AaAfyk	5158
c. Obtain HSRB approval (1Q82)											AaAfyk	5159
d. Initiate pilot data collection study (1Q82)											AaAfyk	5160
e. Complete pilot data collection study (3Q82)											AaAfyk	5161
f. Initiate human cold performance assessment Study I (4Q82)											AaAfyk	5162
g. Complete human cold performance assessment study I (2Q83)											AaAfyk	5163
h. Complete draft of final report on lab study (3Q84)											AaAfyk	5164
i. Submit final report to Director, DBBS (4Q84)											AaAfyk	5165
j. Submit abstract to Director, NIOSH (4Q84)											AaAfyk	5166
											AaAfyk	5167
											AaAfyk	5168
											AaAfyk	5169

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	PY	NPF	TF	\$1000	\$1000	
13. Trauma of Alternative Work Schedules (J. Hurrell, 684-8291) (100/VOB-kXb-289)	81	81						k c a				
.1 Initiate search for descriptive information work schedules and employment			o									AaXbyk 5172
.2 Submit progress reports to Director, DBBS			o	o	o	o						AaXbyk 5173
.3 Complete search and develop statistics on distribution of schedules				o								AaXbyk 5174
.4 Locate health/safety records for major work groups				o								AaXbyk 5175
.5 Extract and analyze relevant accident/illness data					o							AaXbyk 5176
.6 Submit report of project findings to Director, DBBS						o						AaXbyk 5177
.7 Submit abstract to Director, NIOSH						o						AaXbyk 5178
						o						AaXbyk 5179
												AaXbyk 5180
												AaXbyk 5181
												AaXbyk 5182
												AaXbyk 5183
												AaXbyk 5184
												E 5186
												E 5187
DIVISION OF SAFETY RESEARCH												
14. Study of Falls Involved with Pushing and Pulling Tasks (Pizatella 923-7454) (.5/10000/22,750) (100/VLD-kbN-820)	81	83						k b a				
.1 Complete Peer and SPRG reviews			o									EbbNpk 5189
.2 RFC sent to OAMS			o									EbbNpk 5190
.3 Contract awarded					o							EbbNpk 5191
.4 Complete development of model						o						EbbNpk 5192
.5 Obtain HSRB approval							o					EbbNpk 5193
.6 Complete pushing experiments (2Q82)												EbbNpk 5194
.7 Complete pulling experiments (4Q82)												EbbNpk 5195
.8 Complete industry validations (1Q83)												EbbNpk 5196
.9 Submit final report for review (2Q83)												EbbNpk 5197
.10 Complete approvals for publication (3Q83)												EbbNpk 5198
.11 Transmit abstract to Director, NIOSH (3Q83)												EbbNpk 5199
.12 Submit for publication (4Q83)												EbbNpk 5200
												EbbNpk 5201
												EbbNpk 5202
												EbbNpk 5203
												EbbNpk 5204
												EbbNpk 5205

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
15. Analysis for Safety of Foot Operated Machinery (Etherton 923-7454) (.7/10000/27850) (100/VLD-kbm-828)	81	83					k	b	a			
.1 Submit RFC to OAMS			o								EbbmNk	5208
.2 Award contract											EbbmNk	5209
.3 Initiate investigations					o						EbbmNk	5210
.4 Develop experimental model (1Q82)						o					EbbmNk	5211
.5 Complete investigations (3Q82)											EbbmNk	5212
.6 Final report (4Q82)											EbbmNk	5213
.7 Review and evaluate (1Q83)											EbbmNk	5214
.8 Obtain publication approval (2Q83)											EbbmNk	5215
.9 Transmit abstract to Director, NIOSH (2Q83)											EbbmNk	5216
.10 Submit for publication or NTIS as appropriate (3Q83)											EbbmNk	5217
											EbbmNk	5218
											EbbmNk	5219
											EbbmNk	5220
											EbbmNk	5221
											EbbmNk	5222
16. Hand Speed Study (Etherton 923-7454) (1.0/30000/55500) (100/VLD-kbm-829)	80	82					k	c	a			
.1 Obtain HSRB approval			o								Ebbmyk	5225
.2 Complete pilot experiment				o							Ebbmyk	5226
.3 Complete data analysis					o						Ebbmyk	5227
.4 Draft report on pilot study						o					Ebbmyk	5228
.5 Complete design of full study											Ebbmyk	5229
.6 Obtain peer and SPRG approvals for full study											Ebbmyk	5230
.7 Obtain HSRB approval (1Q82)											Ebbmyk	5231
.8 Initiate full study (2Q82)											Ebbmyk	5232
.9 Complete data collection (3Q82)											Ebbmyk	5233
.10 Complete report (4Q82)											Ebbmyk	5234
											Ebbmyk	5235
											Ebbmyk	5236
											Ebbmyk	5237
											Ebbmyk	5238
17. Study of OSHA's Experimental Variance on Power Presses (Thereton 923-7454) (.4/12000/22200) (100/VLD-kbN-830)	80	82					k	b	a			
.1 Contract 210-80-0034 awarded (4Q80)											EbbNmk	5241
.2 Phase I reports received											EbbNmk	5242
.3 Present Phase I findings to OSHA											EbbNmk	5243
.4 Phase II reports received (1Q82)											EbbNmk	5244
.5 Review and evaluate reports (2Q82)						o					EbbNmk	5245
.6 Obtain publication approval (3Q82)											EbbNmk	5246
.7 Transmit abstract to Director, NIOSH (4Q82)											EbbNmk	5247
.8 Submit for publication or NTIS as appropriate (4Q82)											EbbNmk	5248
											EbbNmk	5249
											EbbNmk	5250
											EbbNmk	5251
											EbbNmk	5252
											EbbNmk	5253

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
18. Reliability of Presence Sensing Devices (Etherton 923-7454) (100/VLD-kbN-832)	79	81							k b a			
.1 Contract 210-78-0124 awarded (4Q78)											EbbNyk	5256
.2 Contract modified to include radio-frequency devices (2Q80)											EbbNyk	5257
.3 Receive final report on whole contract			o								EbbNyk	5258
.4 Complete technical reviews				o							EbbNyk	5259
.5 Obtain publication approval					o						EbbNyk	5260
.6 Transmit abstract to Director, NIOSH					o						EbbNyk	5261
.7 Submit for publication or NTIS as appropriate					o						EbbNyk	5262
						o					EbbNyk	5263
						o					EbbNyk	5264
							o				EbbNyk	5265
19. Controlling Overexertion Injuries Through Task Design (Romansky 923-7454) (.2/1000/6100) (100/VLD-kbN-834)	80	82							k b a			
.1 Contract 210-79-0022 awarded (4Q79)											EbbNyk	5266
.2 Obtained SPRG clearance (2Q80)											EbbNyk	5269
.3 Evaluate Phase II report			o								EbbNyk	5270
.4 Submit draft final report for review					o						EbbNyk	5271
.5 Complete manuscript approvals					o						EbbNyk	5272
.6 Transmit abstract to Director, NIOSH						o					EbbNyk	5273
.7 Submit report for publication (1Q82)						o					EbbNyk	5274
							o				EbbNyk	5275
								o			EbbNyk	5276
								o			EbbNyk	5277
								o			EbbNyk	5278
											EbbNyk	5279
20. Long Term Effects of Learned Safety Skills (Romansky 923-7454) (.3/9000/16650) (100/VLD-kbN-835)	79	82							k b a			
.1 Contract 210-79-0018 awarded 4Q79)											EbbNyk	5280
"Long-term effects of learned safety skills"											EbbNyk	5283
.2 Completed pilot study (3Q80)											EbbNyk	5284
.3 Initiate behavioral monitoring (4Q80)											EbbNyk	5285
.4 Complete employee training			o								EbbNyk	5286
.5 Complete behavioral monitoring				o							EbbNyk	5287
.6 Complete data analysis					o						EbbNyk	5288
.7 Receive draft final report from contractor						o					EbbNyk	5289
.8 Inform Director, NIOSH of findings (1Q82)							o				EbbNyk	5290
.9 Obtain NIOSH approval of final report (1Q82)								o			EbbNyk	5291
.10 Submit for publication (2Q82)											EbbNyk	5292
											EbbNyk	5293
											EbbNyk	5294
											EbbNyk	5295
											EbbNyk	5296
											EbbNyk	5297

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	TF			
										\$1000	\$1000			
21. Design of Containers to Minimize Biomechanical Stress (Romansky 923-7454) (.4/10000/20200) (100/VLD-kbN-837)	81	83								k b a			EbbNyk 5300	
.1 Complete SPRG and Peer reviews				o									EbbNyk 5301	
.2 RFC sent to OAMS				o									EbbNyk 5302	
.3 Contract awarded						o							EbbNyk 5303	
.4 Obtain HSRB approval						o							EbbNyk 5304	
.5 Initiate experiments							o						EbbNyk 5305	
.6 Complete experiments (4Q82)								o					EbbNyk 5306	
.7 Submit draft final report for review (1Q83)									o				EbbNyk 5307	
.8 Complete approvals (2Q83)													EbbNyk 5308	
.9 Transmit abstract to Director, NIOSH (2Q83)													EbbNyk 5309	
.10 Paper submitted to journal (3Q83)													EbbNyk 5310	
													EbbNyk 5311	
													EbbNyk 5312	
													EbbNyk 5313	
													EbbNyk 5314	
22. Investigation of Shoulder Strength (Stobbe 923-7454) (.5/3000/8550) (100/VLD-kbN-838)	81	82								k c a			EbbNyk 5317	
.1 Obtain HSRB approval				o									EbbNyk 5318	
.2 Complete pilot study on starting position					o								EbbNyk 5319	
.3 Complete shoulder strength study								o					EbbNyk 5320	
.4 Complete draft report on results (1Q82)									o				EbbNyk 5321	
.5 Complete technical review and report (2Q82)													EbbNyk 5322	
.6 Obtain publication approval (3Q82)													EbbNyk 5323	
.7 Transmit abstract to Director, NIOSH (3Q82)													EbbNyk 5324	
.8 Submit to journal (4Q82)													EbbNyk 5325	
													EbbNyk 5326	
													EbbNyk 5327	
													EbbNyk 5328	
23. Stairway Design for Reducing Fall Injuries (Jensen 923-7454) (.2/7000/12100) (100/VLD-kbN-839)	79	82								k b a			EbbNyk 5331	
.1 Contract 210-79-0020 awarded (4Q79)													EbbNyk 5332	
.2 Selected industries based on stairway fall experience (2Q80)													EbbNyk 5333	
.3 Report from contractor on injury data (4Q80)													EbbNyk 5334	
.4 Complete video taping of first ten stairways				o									EbbNyk 5335	
.5 Contractor reports to NIOSH on Phase II				o									EbbNyk 5336	
.6 Approval to start Phase III					o								EbbNyk 5337	
.7 Complete video taping Phase III						o							EbbNyk 5338	
.8 Receive draft final report							o						EbbNyk 5339	
.9 Complete review of final report (1Q82)								o					EbbNyk 5340	
.10 Transmit abstract to Director, NIOSH (1Q82)									o				EbbNyk 5341	
.11 Submit report for publication (2Q82)													EbbNyk 5342	
													EbbNyk 5343	
													EbbNyk 5344	
													EbbNyk 5345	

PERSONAL PROTECTIVE EQUIPMENT RESEARCH AND CERTIFICATION

Division of Biomedical and Behavioral Science

Research on personal protective equipment within DBBS is directed toward identifying equipment that will be used by workers to protect against health hazards found at the workplace. More specifically, one DBBS project is examining the extent to which respirators may contribute to workers' heat stress. The goal is to develop respirators that will not contribute to workers' distress. A second project is examining the use of biofeedback equipment as a means of stress reduction in workers experiencing high stress levels.

Division of Safety Research

The primary emphasis in this area is to provide a testing and certification program for personal protective equipment and hazard-measuring devices. Problems noted in the respirator program during the past year have emphasized the urgent need to reevaluate the basic structure of the entire program to make it more responsive to providing maximum worker protection.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES	
	I	C	1Q	2Q	3Q	4Q	PY	NPF	TF
								\$1000	\$1000
*****PERSONAL PROTECTIVE EQUIPMENT RESEARCH AND CERTIFICATION*****									m 5350
									m 5351
DIVISION OF BIOMEDICAL AND BEHAVIORAL SCIENCE									A 5352
									A 5353
1. Studies of Stress Reduction Approaches (L. Murphy, 684-8383) (VOB-B24-269)(1.0/95.0/120.0)(1.0/95.0/120.0)(100/VOB-mAy-269)	79	83							m c a 5354
.1 UCLA Job Stress Conference									AaAyy 5355
a. Cosponsor conference (1Q79)									AaAyy 5356
b. Receive conference proceedings (4Q79)									AaAyy 5357
c. Submit edited proceedings to Director, DBBS (2Q80)									AaAyy 5358
d. Submit abstract to Director, NIOSH (3Q80)									AaAyy 5359
.2 Conduct peer review (2Q80)									AaAyy 5360
.3 Submit progress report to Director, DBBS				o	o	o	o		AaAyy 5361
.4 Worksite Studies									AaAyy 5362
A. Biofeedback vs Muscle Relaxation									AaAyy 5363
a. Initiate data collection (4Q80)									AaAyy 5364
b. Initiate data analysis (nurses)				o					AaAyy 5365
c. Initiate training program (blue collar work group)					o				AaAyy 5366
d. Complete data analysis (nurses)						o			AaAyy 5367
e. Submit interim report (nurses) to Director, DBBS							o		AaAyy 5368
f. Complete training program (blue collar)(3Q82)									AaAyy 5369
g. Initiate relaxation data analysis (blue collar)(4Q82)									AaAyy 5370
h. Initiate stress/job redesign data analysis (4Q82)									AaAyy 5371
i. Complete relaxation data analysis (blue collar)(1Q83)									AaAyy 5372
j. Complete stress/job redesign data analysis (1Q83)									AaAyy 5373
k. Submit final project report to Director, DBBS (4Q83)									AaAyy 5374
l. Submit abstract to Director, NIOSH (4Q83)									AaAyy 5375
B. Cue-Controlled Relaxation									AaAyy 5376
a. Complete training program (sales clerks)					o				AaAyy 5377
b. Initiate data analysis					o				AaAyy 5378
c. Complete data analysis						o			AaAyy 5379
d. Submit interim report to Director, DBBS							o		AaAyy 5380
.5 Stress Management Data Purchase									AaAyy 5381
a. Purchase evaluative data on a multi-model stress management program					o				AaAyy 5382
b. Receive report on multi-model program							o		AaAyy 5383
c. Submit report to Director, DBBS							o		AaAyy 5384
d. Submit abstract to Director, NIOSH							o		AaAyy 5385
.6 Conference on Occupational Stress									AaAyy 5386
a. Award conference fee for service						o			AaAyy 5387
b. Receive conference reports							o		AaAyy 5388
c. Submit conference report to Director, DBBS							o		AaAyy 5389
d. Submit abstract to Director, NIOSH							o		AaAyy 5390
									AaAyy 5391
									AaAyy 5392
									AaAyy 5393
									AaAyy 5394

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N G H D	RESOURCES		
	I	C	1Q	2Q	3Q	4Q		PY	NPF	TF
								\$1000	\$1000	
2. Effect of Respirators on Workers' Heat Stress(R. James 684-8286) (VOK-G24-342) (100/VOA/mDb-304)	78	81					m c b			
.1 Complete study design (1Q78)								AADbfm	5397	
.2 Complete peer review (3Q78)								AADbfm	5398	
.3 Obtain HSRB clearance (4Q78)								AADbfm	5399	
.4 Initiate testing of subjects (1Q79)								AADbfm	5400	
.5 Submit progress report to Director, DBBS								AADbfm	5401	
.6 Begin tests without masks at low temperature								AADbfm	5402	
.7 Complete tests without masks at low temperature								AADbfm	5403	
.8 Initiate tests with masks at high and low temperature								AADbfm	5404	
.9 Complete tests with masks at high and low temperature								AADbfm	5405	
.10 Complete data analysis								AADbfm	5406	
.11 Submit final project report to Director, DBBS								AADbfm	5407	
.12 Submit abstract to Director, NIOSH								AADbfm	5408	
DIVISION OF RESPIRATORY DISEASE STUDIES										
3. Development of Spirometer Testing Protocol (Hankinson J 304-599-7755) (100/VKH-mDp-219)	81	81					m c a			
.1 Complete testing of spirometers submitted to NIOSH								AADbfm	5409	
.2 Complete protocol for experiment of effects of ambient temperature variations								AADbfm	5410	
.3 Conduct ambient temperature variation experiments								AADbfm	5411	
.4 Complete data analysis								AADbfm	5412	
.5 Complete final report and submit abstract to Director, NIOSH, with copy of report and abstract to DTS								AADbfm	5413	
DIVISION OF SAFETY RESEARCH										
4. Testing and Certification Branch Management (Touch 923-7331) (100/VLI-mbp-852)	72	C					m c a			
.1 Publish certified equipment list								AADbfm	5414	
.2 Issue approvals, denials, stop sales & recalls								AADbfm	5415	
.3 Summary report on certification issues								AADbfm	5416	
.4 Status of rewriting administrative portion of Regulations (30 CFR 11)								AADbfm	5417	
			80	130	160	200		AADbfm	5418	
			o	o	o	o		AADbfm	5419	
			o	o	o	o		AADbfm	5420	
								AADbfm	5421	
								AADbfm	5422	
								AADbfm	5423	
								AADbfm	5424	
								AADbfm	5425	
								AADbfm	5426	
								AADbfm	5427	
								AADbfm	5428	
								AADbfm	5429	
								AADbfm	5430	
								AADbfm	5431	
								AADbfm	5432	
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								AADbfm	5436	
								AADbfm	5437	
								AADbfm	5438	
								AADbfm	5439	
								AADbfm	5440	
								AADbfm	5441	
								AADbfm	5442	
								AADbfm	5443	
								AADbfm	5444	

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F R E U O C N G H D	PY	RESOURCES	
				1Q	2Q	3Q	4Q			NPF	TF
										\$1000	\$1000
8. Air Sampling Instruments Section, TCB (Roder 923-7339) (100/VLI-mpb-855)	72	C					m c a				
.1 Evaluate units submitted for certification or extension of certification				3	6	9	12				Edpbym 5490 Edpbym 5491 Edpbym 5492 Edpbym 5493 Edpbym 5494 Edpbym 5495 Edpbym 5496 Edpbym 5497 Edpbym 5498 Edpbym 5499
.2 Evaluate certified and equivalent equipment obtained the the open market				4	12	16	24				Edpbym 5500 Edpbym 5501 Edpbym 5502 Edpbym 5503 Edpbym 5504 Edpbym 5505 Edpbym 5506 Edpbym 5507 Edpbym 5508 Edpbym 5509
.3 Revise GDTU certification requirements to reflect administrative and QA changes, eliminate unnecessary requirements, and expand certifiable ranges											Edpbym 5510 Edpbym 5511 Edpbym 5512 Edpbym 5513 Edpbym 5514
a. submit to OD for review process					o						
b. submit to NTIS for publication							o				
.4 Revise CMDPSU 30 CFR 84 regulations to reflect administrative and QA changes, eliminate unnecessary requirements and include "standard" developed by DPSE											
a. receive "standard" developed by DPSE (4Q80)											
b. obtain necessary equipment and validate DPSE results					o						
c. revise regulations in joint MSHA/NIOSH working committee						o					
d. submit to Director, NIOSH for regulation review process							o				
e. publish notice of proposed rulemaking							o				
.5 Evaluate if head and pump components may be certified separately							o				

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F			RESOURCES				
	FY		PLANNED COMPLETION		R E U			NPF TF				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
12. Respirator Sorbent Efficiency (Moyer 923-7335) (100/VLI-mbp-817)	81	82					m	b	a			
.1 Scoping report to Director, DSR					o					Edbpym	5562	
.2 RFP draft						o				Edbpym	5563	
.3 RFP submitted (1Q82)										Edbpym	5564	
.4 Contract awarded (2Q82)										Edbpym	5565	
.5 Study recommendations to Director, DSR (3Q83)										Edbpym	5566	
										Edbpym	5567	
										Edbpym	5568	
										Edbpym	5569	
										Edbpym	5570	
13. Safety Equipment Wrap-up (Campbell 923-7335) (100/VLI-mby-818)	72	82					m	b	a			
.1 Contract, Dynamic Helmet Test System, abstract to Director, DSR					o					Edbpym	5573	
.2 Contract, S-1, Head Injury Threshold, abstract to Director, DSR (3Q82)										Edbpym	5574	
.3 Contract, Eye and Face Test Validation, abstract to Director, DSR (2Q81)										Edbpym	5575	
										Edbpym	5576	
										Edbpym	5577	
										Edbpym	5578	
										Edbpym	5579	
										Edbpym	5580	
										Edbpym	5581	
										Edbpym	5582	
14. Grants Announcement--Respirator Announcement (Campbell 923-7335) (100/VLI-mby-819)	81	81					m	c	a			
.1 Announcement approved by Director, DSR					o					Edbpym	5585	
.2 Announcement published						o				Edbpym	5586	
										Edbpym	5587	
										Edbpym	5588	
										Edbpym	5589	
										Edbpym	5590	
										Edbpym	5591	
15. Protection Factor Prediction (Campbell 923-7335) (100/VLI-mbp-849)	81	82					m	b	a			
.1 Award contract					o					Edbpym	5594	
.2 Final report to Director, DSR (2Q82)										Edbpym	5595	
										Edbpym	5596	
										Edbpym	5597	
										Edbpym	5598	
										Edbpym	5599	

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
16. Part 11 Performance Requirements Update (Moyer 923-7335) (100/VLI-mbp-850)	81	83					m	b	a			
.1 Liaison with Z88 respirator standards group			o	o	o	o					Edbpym	5602
.2 Review of all relevant technical literature and testimony				o							Edbpym	5603
.3 Scoping statement--to scope of modification and basic areas of performance to be modified					o						Edbpym	5604
.4 Outline of new performance standards--complete with tentative performance levels and unspecified test procedures						o					Edbpym	5605
.5 RFP developed to assist in the development of test procedures and performance levels							o				Edbpym	5606
.6 Award contract (2Q82)											Edbpym	5607
.7 Updated outline of performance standards--complete with tentative performance levels and tentative test procedures (1Q83)											Edbpym	5608
.8 Final performance standard completed in format suitable for Part 11 with specified performance levels and specified but unvalidated test procedures (1Q83)											Edbpym	5609
.9 Rulemaking to modify Part 11 initiated (2Q83)											Edbpym	5610
											Edbpym	5611
											Edbpym	5612
											Edbpym	5613
											Edbpym	5614
											Edbpym	5615
											Edbpym	5616
											Edbpym	5617
											Edbpym	5618
											Edbpym	5619
											Edbpym	5620
											Edbpym	5621
											Edbpym	5622

CRITERIA DOCUMENTATION AND STANDARDS DEVELOPMENT

Division of Criteria Documentation and Standards Development

The primary responsibility of the Division is to perform a critical evaluation of the most significant scientific information on OSH problems and then to prepare and disseminate the most appropriate documentation of the hazards to achieve an impact in the workplace. Such documents include an emergency temporary standard or comprehensive standard recommendation for transmittal to the Department of Labor (DOL), a special hazard review, an occupational hazard assessment, a guideline, a Current Intelligence Bulletin, or a worker bulletin. When another component of the Institute has greater expertise in a subject area, DCSDS serves in a role of coordination and review. Implicit in the activity of the Division is a function to provide any assistance necessary to users of the documents, especially in rulemaking activities of the DOL's Occupational Safety and Health Administration and Mine Safety and Health Administration.

Division of Safety Research

DSR objectives in this program area are to provide consultation to NIOSH, OSHA, and others in areas where expertise exists within the Division. Outputs are expected to be sounder recommendations and better evaluation and interpretation of data by these agencies.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	PLANNED COMPLETION				P M F R E U O C N			RESOURCES			
	FY	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
	I	C								\$1000	\$1000
*****CRITERIA DOCUMENTATION AND STANDARDS DEVELOPMENT*****											n 5626
DIVISION OF BIOMEDICAL AND BEHAVIORAL SCIENCE											n 5627
1. Psychology in Health Risk Communication (Alex Cohen, 684-8291) (VOB-G23-767)(.3/38/45)(.3/10/18)(100/VOB-nAb-268)	80	83						n b a			A 5628
.1 Consult Information Office (1Q80)											A 5629
.2 Initiate literature review (1Q80)											AaAbyn 5631
.3 Complete literature review (3Q80)											AaAbyn 5632
.4 Formulate approaches for hazard communications (4Q80)											AaAbyn 5633
.5 Submit progress report to Director, DBBS											AaAbyn 5634
.6 Develop RFC for testing approaches											AaAbyn 5635
.7 Hold peer review											AaAbyn 5636
.8 Submit RFC to Director, DBBS											AaAbyn 5637
.9 Submit RFC to OAMS											AaAbyn 5638
.10 Award contract											AaAbyn 5639
.11 Obtain HSRB clearance											AaAbyn 5640
.12 Submit OMB package for clearance											AaAbyn 5641
.13 Receive OMB clearance (1Q82)											AaAbyn 5642
.14 Complete observations of effectiveness of health risk communications (3Q82) (4Q82) (2Q83)											AaAbyn 5643
.15 Receive draft final contract report (3Q83)											AaAbyn 5644
.16 Submit final report to Director, DBBS (4Q83)											AaAbyn 5645
.17 Submit abstract to Director, NIOSH (4Q83)											AaAbyn 5646
											AaAbyn 5647
											AaAbyn 5648
											AaAbyn 5649
											AaAbyn 5650
											AaAbyn 5651
											AaAbyn 5652

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
										\$1000	\$1000	
2. Impact/Impulsive Noise Data Base (B. Lempert, 684-8281) (VOG-G24-367)(3.4/115.0/190.0)(100/VOG-nGf-363)	78	82					n	g	a			
.1 Information Development and Analysis												AeGfNn 5655
a. Initiate review and evaluation of existing impact/ impulse noise data bases (1Q80)												AeGfNn 5656
b. Submit CHABA IA to Director, DBBS and Director, OPPE (1Q80)			o									AeGfNn 5657
c. Award IA (1Q80)												AeGfNn 5658
d. Initiate evaluation of impact/impulse noise measurement techniques (1Q80)				o								AeGfNn 5659
e. Begin to refine and develop new techniques and procedures (3Q80)					o							AeGfNn 5660
f. Complete technique development and preliminary evaluation (4Q80)												AeGfNn 5661
g. Obtain English noise and hearing data (4Q80)												AeGfNn 5662
h. Obtain Polish noise and hearing data			o									AeGfNn 5663
i. Complete analysis of English and Polish data					o							AeGfNn 5664
.2 Submit progress report to Director, DBBS			o	o	o	o						AeGfNn 5665
.3 Worksite Study												AeGfNn 5666
a. Complete peer review								o				AeGfNn 5667
b. Submit worksite protocol to Director, DBBS (1Q82)												AeGfNn 5668
c. Obtain HSRB clearance (1Q82)												AeGfNn 5669
d. Obtain OMB clearance (2Q82)												AeGfNn 5670
e. Initiate field and laboratory studies (2Q82)												AeGfNn 5671
f. Complete field and laboratory studies (3Q82)												AeGfNn 5672
g. Complete draft final report (4Q82)												AeGfNn 5673
h. Submit final report to Director, DBBS (4Q82)												AeGfNn 5674
i. Submit abstract to Director, NIOSH (4Q82)												AeGfNn 5675
												AeGfNn 5676
												AeGfNn 5677
												AeGfNn 5678
												AeGfNn 5679
												AeGfNn 5680
												AeGfNn 5681
												AeGfNn 5682
												AeGfNn 5683
												AeGfNn 5684

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F		RESOURCES	
	FY		1Q	2Q	3Q	4Q	O C N	NPF TF
	I	C					G H D	PY \$1000 \$1000
3. Segmental Vibration:Chippers and Grinders (V. Behrens, 684-8281) (VOG-G21-328)(100/VOG-nGf-360)	78	81					n b a	
.1 Award contract for engineering data processing (3Q77)							AeGfmm	5687
.2 Prepare study report (4Q79)							AeGfmm	5688
.3 Award contract for RFC engineering data processing/methods contract (4Q79)							AeGfmm	5689
.4 Review analyzed field study data from statistical services (1Q80)							AeGfmm	5690
.5 Award medical data processing contract (1Q80)							AeGfmm	5691
.6 Review Progress report on Vibration Measurement Data Analysis contract (2Q80)							AeGfmm	5692
.7 Submit progress report to Director, DBBS			o	o	o	o	AeGfmm	5693
.8 Receive final report on Vibration Measurement Data Analysis contract (3Q80)							AeGfmm	5694
.9 Complete final report on engineering data			o				AeGfmm	5695
.10 Complete final report on epidemiology					o		AeGfmm	5696
.11 Complete final report on diagnostic data						o	AeGfmm	5697
.12 Submit final project report to Director, DBBS						o	AeGfmm	5698
.13 Submit abstract to Director, NIOSH						o	AeGfmm	5699
4. Whole Body Vibration: Health Effects (D. Badger, 684-8291) (VOK-G21-279) (1.0/25.0/50.0) (100/VOB-nHf-279)	79	81					n c b	
.1 Complete peer review (4Q79)							AaHfyn	5700
.2 Submit progress report to Director, DBBS			o	o	o	o	AaHfyn	5701
.3 In-house Animal Tests							AaHfyn	5702
a. Complete installation of body shaker (1Q80)							AaHfyn	5703
b. Initiate primate testing				o			AaHfyn	5704
c. Complete primate testing						o	AaHfyn	5705
d. Complete final report						o	AaHfyn	5706
e. Submit final report to Director, DBBS						o	AaHfyn	5707
f. Submit abstract to Director, NIOSH						o	AaHfyn	5708
.4 In-house Human Subjects Study							AaHfyn	5709
a. Conduct peer review (1Q82)							AaHfyn	5710
b. Submit for HSRB clearance (1Q82)							AaHfyn	5711
c. Submit study protocol to Director, DBBS						o	AaHfyn	5712
d. Obtain HSRB clearance (1Q82)							AaHfyn	5713
e. Complete recruitment of human subjects and medical examinations (2Q82)							AaHfyn	5714
f. Initiate subject testing (2Q82)							AaHfyn	5715
g. Complete subject testing (3Q82)							AaHfyn	5716
h. Complete analysis of data (3Q82)							AaHfyn	5717
i. Submit final report to Director, DBBS (4Q82)							AaHfyn	5718
j. Submit abstract to Director, NIOSH (4Q82)							AaHfyn	5719

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F		RESOURCES			
	I	C	1Q	2Q	3Q	4Q	R E U		NPF	TF		
							O	C				
							G	H	PY	\$1000	\$1000	
5. Imminent Danger from Heat Stress in Mines (R. James 684-8286) (VOK-G21-280)(0.3/2.5/10.0)(100/VOA-nXf-305)	80	82					n	a	b			
.1 Consult Information Office (1Q80)												AAXfNn 5737
.2 Submit progress report to Director, DBBS			o	o	o	o						AAXfNn 5738
.3 Workshop on Heat Stress												AAXfNn 5739
a. Complete proceedings of workshop (3Q80)												AAXfNn 5740
b. Submit proceedings to Director, DBBS (3Q80)												AAXfNn 5741
c. Submit abstract of proceedings to Director, NIOSH (4Q80)												AAXfNn 5742
.4 Worksite Investigation												AAXfNn 5743
a. Submit RFC to Director, DBBS (2Q80)												AAXfNn 5744
b. Negotiate contract (4Q80)												AAXfNn 5745
c. Award contract			o									AAXfNn 5746
d. Contract Monitoring (1Q82)(3Q82)			o		o							AAXfNn 5747
f. Obtain HSRB clearance			o									AAXfNn 5748
g. Submit application for OMB clearance				o								AAXfNn 5749
h. Obtain OMB clearance					o							AAXfNn 5750
i. Begin summer phase of study						o						AAXfNn 5751
j. Complete summer phase of study						o						AAXfNn 5752
k. Start winter phase of study (1Q82)												AAXfNn 5753
l. Complete winter phase of study (2Q82)												AAXfNn 5754
m. Complete data analysis (3Q82)												AAXfNn 5755
n. Contractor submits final report (4Q82)												AAXfNn 5756
o. Submit final report to Director, DBBS (4Q82)												AAXfNn 5757
p. Submit abstract to Director, NIOSH (4Q82)												AAXfNn 5758
.5 MSHA Guides												AAXfNn 5759
a. Begin writing Guide #1			o									AAXfNn 5760
b. Submit Guide #1 for NIOSH clearance				o								AAXfNn 5761
c. Issue fee for service contract for Guide #2				o								AAXfNn 5762
d. Submit Guide #2 for NIOSH clearance						o						AAXfNn 5763
												AAXfNn 5764
												AAXfNn 5765
												AAXfNn 5766
												AAXfNn 5767

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
6. Segmental Vibration and Noise:Miners (D. Wasserman, 684-8281) (VOG-M21-787)(3.0/70.0/145.0)(100/VOG-nEf-359)	81	82					n	c	d			
.1 Uranium Miners Study												
a. Conduct worksite study (4Q79)											AeEfpn	5770
b. Begin data analysis uranium miners study (1Q80)											AeEfpn	5771
c. Complete data analysis uranium miners study (2Q82)											AeEfpn	5772
d. Submit final report to Director, DBBS (2Q82)											AeEfpn	5773
e. Submit uranium mining study abstract to Director, NIOSH (2Q82)											AeEfpn	5774
.2 Hard-rock Mining Study												
a. Submit OMB study renewal and modifications (2Q80) on hard-rock mining study											AeEfpn	5775
b. Begin study of hard-rock miners (4Q80)											AeEfpn	5776
c. Begin data collection on hard-rock miners											AeEfpn	5777
d. Begin data analysis on hard-rock miners											AeEfpn	5778
e. Initiate processing of medical data											AeEfpn	5779
f. Complete data analysis on hard-rock miners study (2Q82)											AeEfpn	5780
g. Submit final project report to Director, DBBS (4Q82)											AeEfpn	5781
i. Submit abstract to Director, NIOSH (4Q82)											AeEfpn	5782
.3 Submit progress report to Director, DBBS											AeEfpn	5783
											AeEfpn	5784
											AeEfpn	5785
											AeEfpn	5786
											AeEfpn	5787
											AeEfpn	5788
											AeEfpn	5789
											AeEfpn	5790
											AeEfpn	5791

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
7. RF/Microwave Teratogenic Effects Study (D. Conover, 684-8482) (VOG-W24-362)(100/VOG-nCa-362)	77	81					n	c	a			
.1 RF Thermal Threshold Study												
a. Initiate animal irradiations for RF thermal threshold study (4Q79)											AeCayn	5794
b. Initiate teratology exams for RF thermal threshold study (1Q80)											AeCayn	5795
c. Initiate analysis of data for RF thermal threshold study (1Q80)											AeCayn	5796
d. Complete animal irradiations for RF thermal threshold study (4Q80)											AeCayn	5797
e. Complete teratology exams for RF thermal threshold study (4Q80)											AeCayn	5798
f. Complete analysis of data for RF thermal threshold study (4Q80)											AeCayn	5799
g. Initiate animal irradiations for RF time dependency threshold study (4Q80)											AeCayn	5800
h. Initiate teratology exams for RF time dependency threshold study (4Q80)											AeCayn	5801
i. Initiate analysis of data for RF time dependency threshold study											AeCayn	5802
j. Complete animal irradiations for RF time dependency threshold study											AeCayn	5803
k. Complete teratology exams for RF time dependency threshold study											AeCayn	5804
l. Complete data analysis for RF time dency threshold study											AeCayn	5805
m. Submit report on RF thermal threshold study to Dir., DBBS											AeCayn	5806
n. Submit abstract to Director, NIOSH											AeCayn	5807
.2 Subacute Low Intensity RF Teratology Study											AeCayn	5808
a. Initiate animal irradiations											AeCayn	5809
b. Initiate teratology exams											AeCayn	5810
c. Complete animal irradiations											AeCayn	5811
d. Complete teratology exams											AeCayn	5812
e. Complete data analysis											AeCayn	5813
f. Submit final report to Director, DBBS											AeCayn	5814
g. Submit abstract to Director, NIOSH											AeCayn	5815
.3 Submit progress report to Director, DBBS											AeCayn	5816
											AeCayn	5817
											AeCayn	5818
											AeCayn	5819
											AeCayn	5820
											AeCayn	5821
											AeCayn	5822
											AeCayn	5823
											AeCayn	5824
											AeCayn	5825
											AeCayn	5826
											AeCayn	5827
											AeCayn	5828
											AeCayn	5829
											AeCayn	5830
											AeCayn	5831
											AeCayn	5832
											AeCayn	5833

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	R E U		PY	\$1000	\$1000
										O	C			
DIVISION OF RESPIRATORY DISEASE STUDIES														
8. Cross-sectional IH & Medical Survey - Non-Textile Cotton (Carlson M 304-599-7755) (1.3/20.0/55.5) (100/VKH-nDr-216)	77	82									n	b	a	
.1 Complete field study of garnetts														C 5836
.2 Complete field study of controls														C 5837
.3 Complete field study of classification offices														CcDrgn 5838
.4 Complete analysis of cottonseed oil mills and prepare data														CcDrgn 5839
.5 Complete analysis of gin and warehouse data and prepare report for Director, DRDS														CcDrgn 5840
.6 Complete analysis of waste utilization data and prepare report														CcDrgn 5841
.7 Complete analysis of cotton classification offices and prepare report														CcDrgn 5842
.8 Complete analysis of garnetting data and prepare report (2Q82)														CcDrgn 5843
.9 Complete all data analysis (including control data (3Q82)														CcDrgn 5844
.10 Complete final report and submit abstract to Director, NIOSH, with copy of report and abstract to DTS (3Q82)														CcDrgn 5845
9. Pathology Standards for Asbestos Induced Lung Disease (Green F 304-599-7581) (VKC-R21-246) (100/VKC-ndg-113)	80	81												CcDrgn 5846
.1 Complete peer review of contract document														CcDrgn 5847
.2 Complete negotiations regarding publication of the standards														CcDrgn 5848
.3 Complete final report and submit abstract to Director, NIOSH, with copy of report and abstract to DTS														CcDrgn 5849
														CcDrgn 5850
														CcDrgn 5851
														CcDrgn 5852
														CcDrgn 5853
														CcDrgn 5854
														CcDrgn 5855
														CcDrgn 5856
														CcDrgn 5857
														CcDrgn 5858
														CcDrgn 5859
														CddgBn 5862
														CddgBn 5863
														CddgBn 5864
														CddgBn 5865
														CddgBn 5866
														CddgBn 5867
														CddgBn 5868
														CddgBn 5869
														CddgBn 5870

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
DIVISION OF SAFETY RESEARCH												
10. Analytical Study of Fire Alarm Systems (Bochnak 923-7574) (.2/10000/15865) (100/VLF-nbf-848)	81	83					n	b	a			
.1 Develop RFP			o									E 5873
.2 Submit RFP to OPPE			o									E 5874
.3 Award contract				o								Ecbfyn 5875
.4 Monitor contract (Facility Meetings)				1	2	3						Ecbfyn 5876
.5 Progress reports					1	2						Ecbfyn 5877
.6 Final deliverables report suitable for publishing (4Q83)												Ecbfyn 5878
												Ecbfyn 5879
												Ecbfyn 5880
												Ecbfyn 5881
												Ecbfyn 5882
												Ecbfyn 5883
												Ecbfyn 5884
												Ecbfyn 5885
												Ecbfyn 5886

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
11. On-going Comprehensive Standards Recommendation Documents Development (Pettit 923-7574) (5.3/150000/285150) (100/VLF-nbN-842)	79	82					n	b	a			
.1 Phase I - contract monitoring												
a. Lockout document			o	o	o	o						
External review meeting				o								
Division review meeting				o								
Directors review meeting					o							
Final delivery, report to Director, NIOSH					o							
b. Grain elevators document												
Project Officer review meeting			o									
External review meeting				o								
Division review meeting					o							
Directors review meeting					o							
Final delivery, report to Director, NIOSH						o						
c. Refinery Maintenance document												
Project Officer review meeting				o								
External review meeting					o							
Division review meeting					o							
Directors review meeting						o						
Final delivery, report to Director, NIOSH							o					
.2 Phase II - contract award, contract monitoring			o									
a. Fabricated metal document			o	o	o	o						
Start literature search			o									
Bibliography delivery				o								
Scope presentation				o								
Plant visits					o							
Rough draft deliverable					o							
Oral presentations						o						
Project Officer review meeting							o					
Final delivery report to Director, NIOSH (3Q82)								o				
b. Oil and gas document				o								
Start literature search					o							
Bibliography						o						
Scope presentation						o						
Plant visits							o					
Rough draft deliverable								o				
Final delivery report, Director, NIOSH (3Q82)									o			
c. Pre cast concrete document						o						
Start literature search							o					
Bibliography								o				
Scope presentaiton									o			
Final delivery, Report to Director, NIOSH (4Q82)										o		
.3 Phase III - will continue												
a. Milestones to finish documents												

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES			
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000	
b. Final delivery 3Q82 and 4Q82													EcbNyn 5935
.4 Interagency agreement OSHA/NIOSH monitoring			o	o	o	o							EcbNyn 5936
.5 Grant No. OH00849-02 monitoring			o	o	o								EcbNyn 5937
12. Safety Research Directory Evaluation (Gussey 923-7574) (.3/3000/10650) (100/VLF-nbN-843)	81	82							n	b	a		EcbNyn 5938
.1 Meeting with Safety Research Director Update Contractor (EBON), and NIOSHTIC Manager			o										EcbNyn 5941
.2 Prepare Safety Research Directory Program Circular (SRDPC) and questionnaire			o										EcbNyn 5942
.3 Submit circular and questionnaire through channels for NIOSH approval				o									EcbNyn 5943
.4 Submit questionnaire to OMB				o									EcbNyn 5944
.5 Publish SRDPC				o									EcbNyn 5945
.6 Review draft, Final report, Safety Research Directory Update					o								EcbNyn 5946
.7 Start mailing evaluation questionnaire with responses to information requests generated by publication of SRDPC						o							EcbNyn 5947
.8 Review final report, Safety Research Directory Update							o						EcbNyn 5948
.9 Evaluate questionnaires (3Q82)								o					EcbNyn 5949
.10 Submit report to Director, NIOSH (4Q82)													EcbNyn 5950
13. Safety Information Profiles (Pettit 923-7574) (.3/10400/18050) (100/VLF-nbN-844)	81	82							n	b	a		EcbNyn 5951
.1 Phase 80 - Contract monitoring			o	o	o	o							EcbNyn 5952
a. Draft of profiles			3	5									EcbNyn 5953
b. Bibliography				o									EcbNyn 5954
c. Final profiles						o							EcbNyn 5955
.2 Phase 81			o										EcbNyn 5956
a. Submit RFC to OPPE						o							EcbNyn 5957
b. Award of contract							o						EcbNyn 5958
c. Receive search strategy and services to be used for each profile								o					EcbNyn 5959
d. Receive and review industry SIC codes affected and industry structure and population									o				EcbNyn 5970
e. Approve										o			EcbNyn 5971
f. Approve											o		EcbNyn 5972
.3 Receive and review draft profiles (1Q82)													EcbNyn 5973
.4 Receive Bibliography (1Q82)													EcbNyn 5974
.5 Receive final profiles (2Q82)													EcbNyn 5975
.6 Receive final report, transmit abstract to Director, NIOSH (4Q82)													EcbNyn 5976
													EcbNyn 5977
													EcbNyn 5978
													EcbNyn 5979
													EcbNyn 5980
													EcbNyn 5981
													EcbNyn 5982
													EcbNyn 5983

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES	
	I	C	1Q	2Q	3Q	4Q	PY	\$1000	TF	\$1000	
14. Effectiveness of OSHA Construction Standards Point of Erection (Stanevich (923-7574) (.3/1000/8650) (100/VLF-nbq-845)	80	82					n b a				Ecbqyn 5986
											Ecbqyn 5987
											Ecbqyn 5988
											Ecbqyn 5989
.1 Award contract			o								Ecbqyn 5990
.2 Construction site visits					5	20					Ecbqyn 5991
											Ecbqyn 5992
.3 Monthly progress			1	3	6	9					Ecbqyn 5993
											Ecbqyn 5994
.4 Detailed narrative and summary of data collected (1Q82)											Ecbqyn 5995
.5 Site visit reports						15					Ecbqyn 5996
											Ecbqyn 5997
.6 Rationale relating to effectiveness of standards (1Q82)											Ecbqyn 5998
.7 Draft final (1Q82)											Ecbqyn 5999
.8 Final report to Director, NIOSH (2Q82)											Ecbqyn 6000
.9 Recommendations to OSHA (3Q82)											Ecbqyn 6001
.10 Trenching and excavations, NIOSH/NBS IAA											Ecbqyn 6002
a. NBS recommendations at AFL-CIO, AGC & ASFE workshops			2	4							Ecbqyn 6003
											Ecbqyn 6004
b. Summary report of workshops				o							Ecbqyn 6005
c. Draft workshop proceedings					o						Ecbqyn 6006
d. Final copy workshop proceedings					o						Ecbqyn 6007
e. Final NBS recommendations					o						Ecbqyn 6008
											Ecbqyn 6009
15. Field Application-REcommended SAFETY Practices-Confined Spaces (Pettit 923-7574) (.5/7000/20,260) (100/VLF-nbN-846)	81	83					n b a				EcbNyn 6012
											EcbNyn 6013
											EcbNyn 6014
											EcbNyn 6015
.1 Phase I											EcbNyn 6016
a. Prepare list of mediums DSR & DTMD			o								EcbNyn 6017
b. Division review of selected mediums by DSR & DTMD				o							EcbNyn 6018
c. Recommendations on mediums to DSR Director				o							EcbNyn 6019
d. DSR Director's comments & approval				o							EcbNyn 6020
.2 Phase II											EcbNyn 6021
a. Design of production by DSR and DTMD					o						EcbNyn 6022
b. Develop RFC requirements					o						EcbNyn 6023
c. Award development/production contract						o					EcbNyn 6024
e. Media development/scenario (2Q82)											EcbNyn 6025
f. Product development (4Q82)											EcbNyn 6026
g. Product review (4Q82)											EcbNyn 6027
h. Product modification (1Q83)											EcbNyn 6028
i. Delivery to NIOSH (2Q83)											EcbNyn 6029
											EcbNyn 6030

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
16. Safety Research-Combustible and Flammable Material (Bochmak 923-7574) (100/VLF-nbN-847)	79	81					n	b	a			
.1 Contract monitoring (facility meetings)			1	2	3							EcbNyn 6033 EcbNyn 6034 EcbNyn 6035 EcbNyn 6036
.2 Progress reports			1	2	3							EcbNyn 6037 EcbNyn 6038 EcbNyn 6039
.3 Final deliverables, report suitable for publication							o					EcbNyn 6040 EcbNyn 6041 EcbNyn 6042

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES	
				1Q	2Q	3Q	4Q	PY	NPF	TF		
				\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	\$1000		
DIVISION OF CRITERIA DOCUMENTATION AND STANDARDS DEVELOPMENT											G	6088
18. Development of Criteria and Recommendations-- Document Development (J. McCracken 301-443-2490) (VID-D50-089) (100/VID-nNX-089)	71	C						n	b	a	G	6089
.1 Perform health hazard assessments and prepare decision documents for substances, physical agents, and processes											GaNXyn	6091
a. Primary, Secondary, Tertiary Aliphatic Monoamines						o					GaNXyn	6092
b. Dyeing and Finishing Textile			o								GaNXyn	6093
c. Whole Body Vibration			o								GaNXyn	6094
d. Aliphatic Poly and Diamines			o								GaNXyn	6095
e. Pulp and Paper Mills			o								GaNXyn	6096
f. Chlorinated Hydrocarbon Wastes			o								GaNXyn	6097
g. Dye Industry			o								GaNXyn	6098
h. Ozone							o				GaNXyn	6099
i. Oil Mists/Cutting Fluids							o				GaNXyn	6100
j. Hazardous Waste Sites											GaNXyn	6101
k. Undesignated Subject Area (USA) 1											GaNXyn	6102
l. USA 2											GaNXyn	6103
m. USA 3											GaNXyn	6104
n. USA 4											GaNXyn	6105
o. USA 5											GaNXyn	6106
.2 Perform necessary additional data collection, complete appropriate final output documents, receive approval from NIOSH Director, and transmit to DOL Special Hazard Reviews or Occupational Hazard Assessments			1	4	7	10					GaNXyn	6107
.3 New documents development contract											GaNXyn	6108
a. Submit RFC for Development of 10 OHAs/SHRs (2Q80)											GaNXyn	6109
b. Award contract				o							GaNXyn	6110
19. Epidemiologic Activity (M. Alavanja 301-443-2130) (VIA-D50-078) (100/VIA-nNX-078)	79	C									GaNXyn	6111
.1 Fill epidemiologist/biostatistician vacancy			1								GaNXyn	6112
.2 Present informal training seminars for Division staff			1	2	3	4					GaNXyn	6113
.3 Provide review of epidemiologic information in documents under development			9	18	27	36					GaNXyn	6114
.4 Review epidemiologic research proposals			1	2	3	4					GaNXyn	6115
.5 Provide input to the IRLG's epidemiology work group			3	6	9	12					GaNXyn	6116
.6 Collaboration with other federal agencies on environmental and occupational epidemiologic issues			1	2	3	4					GaNXyn	6117
											GaNXyn	6118
											GaNXyn	6119
											GGNXyn	6122
											GGNXyn	6123
											GGNXyn	6124
											GGNXyn	6125
											GGNXyn	6126
											GGNXyn	6127
											GGNXyn	6128
											GGNXyn	6129
											GGNXyn	6130
											GGNXyn	6131
											GGNXyn	6132
											GGNXyn	6133

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F			RESOURCES					
				1Q	2Q	3Q	4Q	O	C	N	NPF	TF				
				G	H	D	PY	\$1000	\$1000							
20. Development of Mine Health Standards and Information Bulletins (R. Fleming 301-443-4614) (VIA-D50-088) (100/VIC-npX-088)	70		C							n	b	b			GbpXyn	6136
															GbpXyn	6137
															GbpXyn	6138
															GbpXyn	6139
.1 Criteria Development for Mine Standards															GbpXyn	6140
a. Emergency Medical Care															GbpXyn	6141
.01 Division review of final draft															GbpXyn	6142
.02 Institute review															GbpXyn	6143
.03 Director's review															GbpXyn	6144
.04 Submit for NIOSH publication															GbpXyn	6145
.05 Transmit to MSHA															GbpXyn	6146
b. Silica															GbpXyn	6147
.01 Request contract proposals															GbpXyn	6148
.02 Complete NIOSH/MSHA review of draft report on health effects															GbpXyn	6149
.03 Establish NIOSH/MSHA work group to prepare sections of the standard															GbpXyn	6150
.04 Award contract															GbpXyn	6151
.05 Complete drafts of sections from work group															GbpXyn	6152
.06 Decide if Task III of the contract can be performed															GbpXyn	6153
.07 Complete first draft of the standard															GbpXyn	6154
.08 Complete external review															GbpXyn	6155
.09 Complete internal review															GbpXyn	6156
.10 Complete NIOSH Director's review															GbpXyn	6157
.11 Complete contract															GbpXyn	6158
.12 Transmit to MSHA (1Q82)															GbpXyn	6159
c. Asbestos															GbpXyn	6160
.01 Request contract proposals															GbpXyn	6161
.02 Complete NIOSH/MSHA review of draft report on health effects															GbpXyn	6162
.03 Award contract															GbpXyn	6163
.04 Complete drafts of sections from work group															GbpXyn	6164
.05 Decide if Task III of the contract can be performed															GbpXyn	6165
.06 Complete first draft of the standard															GbpXyn	6166
.07 Complete external review															GbpXyn	6167
.08 Complete internal review															GbpXyn	6168
.09 Complete NIOSH Director's review															GbpXyn	6169
.10 Complete contract															GbpXyn	6170
.11 Transmit to MSHA (1Q82)															GbpXyn	6171
d. Diesel Exhaust Emissions															GbpXyn	6172
.01 Complete cataloging of references on health effects															GbpXyn	6173
.02 Receive copy of NAS report on health effects															GbpXyn	6174
.03 Complete Institute review of NAS report on health effects															GbpXyn	6175
															GbpXyn	6176
															GbpXyn	6177
															GbpXyn	6178
															GbpXyn	6179
															GbpXyn	6180
															GbpXyn	6181

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000

.04 Establish a NIOSH/MSHA work group			o								GbpXyn	6182
.05 Submit RFC for feasibility study			o								GbpXyn	6183
.06 Request contract proposals				o							GbpXyn	6184
.07 Award contract					o						GbpXyn	6185
.08 First draft of a recommendation						o					GbpXyn	6186
.09 Final draft of a recommendation (1Q82)											GbpXyn	6187
.10 Decide future direction of this effort (1Q82)											GbpXyn	6188
e. Radon Daughters											GbpXyn	6189
.01 Establish a NIOSH/MSHA work group			o								GbpXyn	6190
.02 Submit RFC for feasibility study			o								GbpXyn	6191
.03 Request contract proposals				o							GbpXyn	6192
.04 Award contract					o						GbpXyn	6193
.05 First draft of recommended standard					o						GbpXyn	6194
.06 Final draft of recommended standard					o						GbpXyn	6195
.07 Complete external review						o					GbpXyn	6196
.08 Complete internal review						o					GbpXyn	6197
.09 Complete NIOSH Director's review (1Q82)											GbpXyn	6198
.10 Transmit to MSHA (1Q82)											GbpXyn	6199
.11 Complete contract (1Q82)											GbpXyn	6200
f. Oxygen Deficiency											GbpXyn	6201
.01 Complete review of confined spaces criteria document			o								GbpXyn	6202
.02 Establish a NIOSH/MSHA work group			o								GbpXyn	6203
.03 First draft of a recommendation				o							GbpXyn	6204
.04 Final draft of a recommendation					o						GbpXyn	6205
.05 Decide future direction of this effort					o						GbpXyn	6206
.2 Mining Information Bulletins											GbpXyn	6207
a. Mill Reagents											GbpXyn	6208
.01 Complete first drafts of MIBs			o								GbpXyn	6209
.02 Complete external review			o								GbpXyn	6210
.03 Complete internal review			o								GbpXyn	6211
.04 Complete NIOSH Director's review				o							GbpXyn	6212
.05 Submit for publication				o							GbpXyn	6213
.3 MSHA Hearings Support and Technical Assistance											GbpXyn	6214
a. Surface miner X-ray program						o					GbpXyn	6215
b. Coal mine dust						o					GbpXyn	6216
c. Radiation						o					GbpXyn	6217
d. Noise						o					GbpXyn	6218
e. Silica						o					GbpXyn	6219
f. Asbestos						o					GbpXyn	6220
g. Welding fumes						o					GbpXyn	6221
h. Unplanned subjects						o					GbpXyn	6222

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	PY	NPF	TF	
							\$1000	\$1000		
22. Priorities and Research Analysis (F. Mackison 301-443-2100) (100/VII-nNX-067)(VII-D12-092)(VII-D12-099)	70	C								GcNXyn 6247
										GcNXyn 6248
										GcNXyn 6249
.1 Information and support services										GcNXyn 6250
a. Contract profiles development										GcNXyn 6251
.01 Submit RFC for new contract					o					GcNXyn 6252
.02 Award contract (Oct. 82)										GcNXyn 6253
.03 Receive contractor's draft profiles from contract 210-79-0030 (2nd year funding)						40				GcNXyn 6254
.04 Return profiles to contractors with comments (1st year funding)		40	40	40	40					GcNXyn 6255
.05 Receive final draft profiles from contractor 210-79-0030 (1st year funding)			40	40	40					GcNXyn 6256
b. Current Awareness (CA) Reports										GcNXyn 6257
.01 IRPTC (award contract)					o					GcNXyn 6258
.02 Data input to CA data system		o	o	o	o					GcNXyn 6259
.03 Prepare CA Reports		2	3	5	6					GcNXyn 6260
.2 Research Analyses Reports (in progress or completed)		9	18	27	36					GcNXyn 6261
.3 Editorial Review Activities (review of drafts and final documents)		15	30	45	60					GcNXyn 6262
.4 Occupational Health Guidelines (OHGs)										GcNXyn 6263
a. Publish technical documents for 380 OHGs				o						GcNXyn 6264
b. Develop OHGs for 20 new subjects			10			20				GcNXyn 6265
.5 Worker Education Activities										GcNXyn 6266
a. Coordinate worker information documents development with OSHA's new directions program		o	o	o	o					GcNXyn 6267
b. Develop worker information bulletins		1	3	5	10					GcNXyn 6268
.6 Library & Information Resources										GcNXyn 6269
a. Acquisitions										GcNXyn 6270
.01 Books, subscriptions and publications ordered		250	500	750	1k					GcNXyn 6271
.02 Issues of journals checked in		500	1k	1.5k	2k					GcNXyn 6272
.03 Renewal of blanket purchase agreements for acquisition support services					2					GcNXyn 6273
.04 Foreign articles translated		30	60	90	120					GcNXyn 6274
b. Circulation and collection maintenance										GcNXyn 6275
.01 Titles cataloged		80	160	240	320					GcNXyn 6276
.02 Documents from collection circulated		245	490	735	980					GcNXyn 6277
.03 Completion of translation inventory		o								GcNXyn 6278
.04 Microfiche filed		1.5k	3k	4.5k	6k					GcNXyn 6279
c. Reference services										GcNXyn 6280
.01 Reference questions answered		360	720	1.1k	1.8k					GcNXyn 6281
.02 Literature searches performed		120	240	360	980					GcNXyn 6282
.03 Bibliographies of new materials prepared		2	4	6	8					GcNXyn 6283
.04 Table of contents pages prepared		6	12	18	24					GcNXyn 6284
.05 Reprints disseminated		300	600	900	1.2k					GcNXyn 6285
.06 Books borrowed through inter-library loan		36	72	108	144					GcNXyn 6286

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER

FY	I	C	PLANNED COMPLETION				P	M	F	REU	OCN	G	H	D	PY	RESOURCES	
			1Q	2Q	3Q	4Q										NPF	TF

.07 Development of indexing system and guidelines
for development of microfilm collection of
Division reports

1

GcNXyn 6293
GcNXyn 6294
GcNXyn 6295

INFORMATION AND PUBLICATIONS

Division of Technical Services

Implicit in the DTS Clearinghouse information dissemination activities is the identification, acquisition, and management (coordination) of all available information concerning occupational safety and health. During the past several years the Clearinghouse has developed and refined the tools necessary to build information systems to ensure that each requester receives the best information available, both technical and nontechnical. In addition to responding to subject requests, the NIOSH Library provides specific documents identified by NIOSH scientists.

The Clearinghouse has two objectives. The first is to answer NIOSH's inhouse scientific staff requests on first priority as quickly as possible. The second is to disseminate NIOSH-developed information as widely as possible and to answer every inquiry from the general public, such as workers.

During the last 4 years the Clearinghouse has distributed externally 4 million NIOSH publications and answered more than 9,000 inquiries. Publications were distributed primarily to OSH professionals to meet their need for technical information. Information about occupational hazards has not, however, been adequately disseminated to workers, those at risk, and will be developed. During FY 1980 over 3,000 inquiries from the general public were answered by the Clearinghouse.

During FY 1981 a compilation of less technical NIOSH materials will be developed entitled "A Worker's Guide to NIOSH Publications." The Clearinghouse will develop dissemination strategies tailored to address the special needs of workers at risk to a specific hazard, to ensure that worker-oriented materials produced in NIOSH are distributed to unions, worker safety committees, and OSHA New Directions grantees. The first such publication will be on the hazards of airborne silica.

During FY 1981 the Clearinghouse also will develop more effective dissemination strategies to increase its contact with the general medical and public health communities, the first step to be to increase the number of NIOSH exhibits at their professional meetings. NIOSH exhibits also will appear at more meetings of other OSH professional organizations, public interest groups, and unions. In most cases, these exhibits will be staffed by Clearinghouse personnel, but staff from NIOSH regional offices and other divisions and offices also will be asked to participate.

The Registry of Toxic Effects of Chemical Substances (RTECS) is the world's largest collection of toxicity data and contains more than 41,000 substances and over 106,000 synonyms for them. Information about 400 new compounds is added to RTECS each month. RTECS is available on-line through the National Library of Medicine, the NIH/EPA chemical information system, and computer tape from NTIS.

NIOSHTIC, OSH bibliographic data base comprised of English-language literature published worldwide, contains over 70,000 citations dating from the 1800s to the present. Approximately 85 percent of each month's update is from the current literature. Direct access to NIOSHTIC will be available to the general public in FY 1981 through Lockheed Information Systems, Bibliographic Retrieval Service, the British Library, and SCANNET.

The Document Information Directory System (DIDS) provides the information needed to ensure that all NIOSH documents become part of the NIOSHTIC data base and are available from NTIS. For the first time the NIOSH publications catalog provides subject and source access to completed NIOSH materials. During FY 1980 DIDS was expanded to include Health Hazard Evaluations, Contract Reports, and Technical Assistance Reports indexed by subject. During FY 1981 DIDS will include previously uncatalogued NIOSH field studies conducted over the last 10 years, as well as material developed as a result of NIOSH research grants.

The Current Research File contains 7,500 records of active research projects of interest to NIOSH, all NIOSH projects and research grants conducted since 1976, and other U.S. research projects that have been identified through information networks and systems routinely used by the Clearinghouse. During FY 1980, Government-supported research programs of the Federal Republic of Germany, France, Sweden, Denmark, and Finland were included. This File is now used in both the United States and western Europe as the primary source of ongoing OSH research.

The Health Hazard Evaluation Summary Document was a FY 1980 cooperative Clearinghouse-DSHEFS activity developed for the rapid dissemination of the results of health hazard evaluations to workers and OSH professionals. Initial responses from NIOSH field office staff indicate that the HHE Summaries provide useful information about the Institute's current activities and alerts them to potential workplace hazards in their regions. Similar comments have been received from other professionals and workers.

During FY 1980 the Clearinghouse developed a new product which is intended to represent the best research in a subject area to the widest possible audience. The first document was "Abstracts of Selected Research -- Reproductive Hazards in the Workplace."

As a matter of policy the Clearinghouse constantly evaluates new information resources for applicability to NIOSH needs. We have already obtained access to over 200 data bases through major vendors such as the National Library of Medicine and Lockheed Information Systems which offer the entire range of information from the popular press to research monographs. Activities of the Government Industry Data Exchange Program and the Federal Laboratories Consortium are information networks that contribute to NIOSH information needs and provide access to NIOSH information for the member Federal agencies and contractors. Politechs is a network of information brokers that provides Clearinghouse staff with on-line access to information sources such as state legislatures.

The Current Awareness Services of the Clearinghouse allow NIOSH scientists unsolicited access to newly published research. Included are quarterly publication of the library accessions list, distribution of NIOSH publications, selected dissemination of information from commercial data bases, tailored literature searches from the Institute for Scientific Information, and prepackaged services such as ASCA Topics and CA Selects. The Automated Log Management System identifies emerging topics by providing summary reports of the topics requested.

We anticipate that the use of inhouse services will continue to grow as it has during the last 4 years at a rate of about 25 percent per year. Therefore, external responses which have been performed inhouse will be contracted to permit continued highest possible quality information services to inhouse scientists.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	PLANNED COMPLETION				P M F R E U O C N G H D	RESOURCES		
		I	1Q	2Q	3Q		4Q	NPF	TF
		C						\$1000	\$1000
*****INFORMATION AND PUBLICATIONS*****									p 6299
DIVISION OF TECHNICAL SERVICES									p 6300
1. Registry of Toxic Effects of Chemical Substances Richard Lewis, 684-8317 (VSL-322-746)(2.3/332.2/391.4)(100/VSL-uyy-746)	77	C					p g a		I 6301
.1 RTECS contract									I 6302
a. Reports			o	o	o	o			Icyyyp 6304
b. Quarterly microfiche			o	o	o	o			Icyyyp 6305
c. Submit computer tape to GPO Videocomp for publications				o					Icyyyp 6306
.2 Renewal of RTECS Main Contract									Icyyyp 6307
a. Submit RFC to OPPE				o					Icyyyp 6308
b. Award Contract						o			Icyyyp 6309
.3 Editorial Review Board Meeting			o	o	o	o			Icyyyp 6310
.4 NLM IA renewal				o					Icyyyp 6311
2. NIOSHTIC, Lawrence Mazzuckelli, 684-8317 (VSL-322-745)(6.4/882.1/1004.6)(100/VSL-uyy-745)	80	C					p b a		Icyyyp 6312
.1 Renew main NIOSHTIC contract									Icyyyp 6313
a. Submit to OPPE				o					Icyyyp 6314
b. Exercise renewal option						o			Icyyyp 6315
.2 Renew IAs to provide reimbursable access to NIOSHTIC									Icyyyp 6316
a. MSHA			o						Icyyyp 6317
b. EPA			o						Icyyyp 6318
c. OSHA (FY-82)						o			Icyyyp 6319
d. CPSC							o		Icyyyp 6320
e. FDA						o			Icyyyp 6321
.3 CIS Memorandum of Agreement									Icyyyp 6322
a. Submit to OPPE				o					Icyyyp 6323
b. Execute					o				Icyyyp 6324
									Icyyyp 6325
									Icyyyp 6326
									Icyyyp 6327
									Icyyyp 6328
									Icyyyp 6329
									Icyyyp 6330
									Icyyyp 6331
									Icyyyp 6332
									Icyyyp 6333
									Icyyyp 6334
									Icyyyp 6335

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	PLANNED COMPLETION				P M F R E U O C N G H D	PY	RESOURCES		
		I	1Q	2Q	3Q			4Q	NPF	TF
		C							\$1000	\$1000
3. Information Resources and Dissemination Vivian Morgan, 684-8323 (VSL-322-744)(14.5/356.0/650.2)(100/VSL-uyy-744)	77	C								
.1 Exhibits										
a. Provide information exchange via scientific conference			2		6	8			Icyyyp 6339	
b. Support exhibits staffed by Regional Offices and Morgantown			3	6	9	12			Icyyyp 6340	
.2 Library Service									Icyyyp 6341	
a. Book processing									Icyyyp 6342	
1. Cataloging and shelving/distributing			300	600	900	1.2k			Icyyyp 6343	
b. Serials									Icyyyp 6344	
1. Check in and distribute			3k	6k	9k	12k			Icyyyp 6345	
c. External loan of NIOSH library material (Total)			400	800	1.2k	1.6k			Icyyyp 6346	
d. In-house Requests									Icyyyp 6347	
1. Supplied through in-house material			600	1k	1.5k	2k			Icyyyp 6348	
2. Supplied through inter-library loan			500	1.0k	1.5k	2.0k			Icyyyp 6349	
e. Translation Services									Icyyyp 6350	
1. Number of translations completed				200		400			Icyyyp 6351	
2. Number of pages translated				2.0k		4.0k			Icyyyp 6352	
f. Order Processing and Receiving									Icyyyp 6353	
1. GPO Orders Processed and Received			50	100	150	200			Icyyyp 6354	
2. NTIS orders processed and received			200	400	500	800			Icyyyp 6355	
g. Library Coordination Meetings			1		2				Icyyyp 6356	
.3 Publications Dissemination									Icyyyp 6357	
a. Receiving, identifying, availability source, preparation of mail labels, selection and packaging									Icyyyp 6358	
1. Letter requests									Icyyyp 6359	
.a domestic			40k	80k	120k	160k			Icyyyp 6360	
.b foreign			10k	20k	30k	40k			Icyyyp 6361	
2. Telephone requests			6k	12k	18k	24k			Icyyyp 6362	
3. Exhibit requests			2k		6k	8k			Icyyyp 6363	
4. Bulk and special requests			25k	50k	75k	100k			Icyyyp 6364	
b. Inventory of NIOSH publications stored to produce accurate number of publications disseminated from previous inventory									Icyyyp 6365	
c. Distribution of Notice of Availability									Icyyyp 6366	
1. Internal			1	2	3	4			Icyyyp 6367	
2. External			1	2	3	4			Icyyyp 6368	
d. Mailing List									Icyyyp 6369	
1. Update mailing list			0	0	0	0			Icyyyp 6370	
2. Revise mailing list questionnaire				0					Icyyyp 6371	
3. Submit revised questionnaire to OMB for approval					0				Icyyyp 6372	
4. Questionnaire approved and disseminated (FY 82)									Icyyyp 6373	
4. Information Services									Icyyyp 6374	
a. Acquisition of contract deliverables for contract file			20	40	60	80			Icyyyp 6375	

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	PLANNED COMPLETION				P M F R E U O C N G H D	RESOURCES				
		I	C	1Q	2Q		3Q	4Q	PY	NPF	TF
									\$1000	\$1000	
b. Conduct in-house information service seminars			2	4	6	9			Icyyyy	6384	
5. Publication Distribution Contract									Icyyyy	6385	
a. Submit to OPPE			o						Icyyyy	6386	
b. Award Contract					o				Icyyyy	6387	
4. NIOSH Information Systems, Richard Lewis, 684-8317 (VSL-322-743)(6.5/275.7/435.3)(100/VSL-uyy-743)	77	C							Icyyyy	6388	
.1 Current Research File									Icyyyy	6391	
a. Acquisition									Icyyyy	6392	
1. Acquire ongoing research notices from SSIE			1.3k	2.5k	3.5k	5k			Icyyyy	6393	
2. Acquire NIOSH research projects			400						Icyyyy	6394	
3. Other sources			250	500	750	1k			Icyyyy	6395	
b. Use									Icyyyy	6396	
1. Provide manual and computerized searches									Icyyyy	6397	
.a internal			30	60	90	120			Icyyyy	6398	
.b external			30	60	90	120			Icyyyy	6399	
.2 Document Information Directory System									Icyyyy	6400	
a. Acquire NIOSH Materials			150	300	400	600			Icyyyy	6401	
b. NTIS input									Icyyyy	6402	
1. By contract			135	270	355	550			Icyyyy	6403	
.3 Input NIOSH Projects to SSIE				400					Icyyyy	6404	
.4 NTIS IA									Icyyyy	6405	
a. Submit to OPPE			o						Icyyyy	6406	
b. Execute				o					Icyyyy	6407	
.5 Current Research File Contract									Icyyyy	6408	
a. Submit to OPPE			o						Icyyyy	6409	
b. Award contract					o				Icyyyy	6410	
									Icyyyy	6411	
									Icyyyy	6412	
									Icyyyy	6413	
									Icyyyy	6414	

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
5. Information Retrieval & Analysis, R.M. Delmage, 684-8328 (VSL-322-742)(10.5/249.2/494.6)(100/VSL-uyy-742)	77	C					p	g	a			
.1 Technical Information Assistance											Icyyyp	6417
a. Requests received from internal sources			325	650	975	1.2k					Icyyyp	6418
b. Requests received from external sources			700	1.4k	2.1k	2.8k					Icyyyp	6419
.2 Development and maintenance of information support capabilities											Icyyyp	6420
a. Renew IA for data bases and information support											Icyyyp	6421
1. FDA (81-33)											Icyyyp	6422
2. Federal Library Committee											Icyyyp	6423
.a Lockheed											Icyyyp	6424
.b Bibliographic Research Services											Icyyyp	6425
.c Systems Development Corp.											Icyyyp	6426
.d Nexis											Icyyyp	6427
.e Legitech											Icyyyp	6428
.f New York Times Information Bank											Icyyyp	6429
.g Research Libraries Information Network											Icyyyp	6430
.h Legis-slate											Icyyyp	6431
.3 NIOSH Research Issues Contract											Icyyyp	6432
a. Award FY-81 Contract											Icyyyp	6433
b. Submit renewal for FY-82 to OPPE											Icyyyp	6434
.4 External Requests Services Contract											Icyyyp	6435
a. Submit to OPPE											Icyyyp	6436
b. Award contract											Icyyyp	6437
OFFICE OF THE DIRECTOR											Icyyyp	6438
											Icyyyp	6439
											Icyyyp	6440
											Icyyyp	6441
											Icyyyp	6442
											K	6444
											K	6445
6. Information (D. Van Brunt, 443-2100) (VAA-pXX-005)(100/VAA-pXX-005)	81	81					p	c	a		KKXXp	6447
.1 Status of controlled correspondence											KKXXp	6448
a. Number process (approx. 500)											KKXXp	6449
b. Percent processed with OS guidelines											KKXXp	6450
.2 Status of Freedom of Information Requests											KKXXp	6451
a. Number processed											KKXXp	6452
b. Percent processed with OS guidelines											KKXXp	6453
.3 Implement information activity											KKXXp	6454
a. Distribute press releases and technical information bulletins											KKXXp	6455
b. Coordinate development of the Annual Report											KKXXp	6456
											KKXXp	6457
											KKXXp	6458
											KKXXp	6459
											KKXXp	6460

CURRICULUM DEVELOPMENT

Division of Training and Manpower Development

This project is directed to the production and distribution of OSH training and education programs, courses, course modules, and related audiovisual and other reference materials. The total project is a continuing activity of the NIOSH/DTMD OSH workforce development program. For FY 1981 there are three major continuing activities: (1) further development and initial implementation of OSH program for vocational/industrial arts instructors, (2) pilot testing and initial implementation of self-contained breathing apparatus for firefighters and other users, and (3) update and revisions of existing course materials. A major thrust this year will be the production of training and educational materials/curricula in conjunction with the research divisions based on research outputs and/or special training needs for their personnel.

DIRECT TRAINING

Division of Training and Manpower Development

Technical training courses in the OSH field are offered to Federal agencies, state and local governments, labor unions, professional and trade associations, academic institutions, and the private sector. In FY 1981, courses given by the direct training mechanism will be scheduled on a limited basis with special consideration given to government agencies and other public-interest groups including labor unions. Increased emphasis will be placed on the delivery of short courses in cooperation with the Educational Resource Centers. The Division will continue to manage and evaluate the Pulmonary Function Training Course Approval System. An assessment of the technical training needs of the various labor groups will be initiated.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F			RESOURCES		
				1Q	2Q	3Q	4Q	O	C	N	NPF	TF	
				G	H	D	PY	\$1000	\$1000				
*****DIRECT TRAINING*****												r	6501
												r	6502
DIVISION OF TRAINING AND MANPOWER DEVELOPMENT												H	6503
												H	6504
1. Continuing Education, E.Leininger 684-8228 (VUI-210-792)(9/150/364)(100/VUI-rXy-792)	71		C						r	b	a		
.1 Maintain Institute's direct training program													
.a Present Industrial Hygiene programs				5	12	20	21						
.b Present Occupational Safety programs					2	4	5						
.c Present Occupational Health Nursing program						1							
.2 Coordinate and Support ERC Continuing Education Programs													
.a Publish ERC Course Schedules				1		2							
.b Conduct Annual Meeting of ERC Continuing Education Coordinators							o						
.c Provide on-site assistance				o	o	o	o						
.3 Provide training to other NIOSH Divisions								o					
.a Provide Industrial Hygiene Training to DSHEFS physicians													
.b Provide Industrial Hygiene Training to DCSD staff				o									
.c Provide Introduction to Occupational Safety and Health to OPPE staff					o								
.4 Provide training to outside organizations													
.a Present courses to Federal Agencies, as requested				o	o	o	o						
.b Present courses to State Agencies, as requested				o	o	o	o						
.c Present courses to Labor Unions, as requested				o	o	o	o						
.5 Provide training support to foreign governments				o	o	o	o						
.6 Administer the Pulmonary Function Testing Training Course Approval Program				o	o	o	o						
.a Review and Approve/Disapprove Applications				o	o	o	o						
.b Evaluate Course Approval System													
.1 Submit RFC to Contracts Office				o									
.2 Award contract							o						
.3 Receive Final Report (2QFY82)													
.7 Assess Occupational Safety and Health Training Needs of Labor Unions													
.a Submit RFC to Contracts Office				o									
.b Award contract							o						
.c Receive Final Report (2QFY82)													

EDUCATIONAL RESOURCE CENTERS

Division of Training and Manpower Development

The manpower requirements to carry out the purposes of the OSH Act must be assessed on a continuing basis. Information will be gathered on the current and projected OSH workforce (census), on the number of unfilled job vacancies (demand), and on the ways the OSH practitioner is utilized in the workplace. Methods for defining OSH program requirements, including manpower needs to meet the occupational hazard situations surveyed on a national scale, will be investigated. Strategies to minimize differences between demand and need will be proposed and evaluated. In this regard the roles of government, labor, and management will be analyzed in terms of such factors as increased regulations and compliance monitoring, tax incentives, collective bargaining issues, cost-benefit approaches, and public awareness and worker education campaigns.

Training grants will continue to be programed to stimulate the supply and ensure the quality of the new OSH professional. Grant-based continuing education programs will provide cross-training for horizontal entry into the field as well as competency-maintenance for practicing professionals. The Division will continue to promote the OSH field as a career option to students in secondary schools and community and junior colleges, and to undergraduates in baccalaureate programs. Special emphasis will continue to be given to assisting minority institutions and to supporting programs that are designed to promote the entry of minority students into the OSH field. The OSH career brochures and academic program directories will continue as proven effective tools in guidance counseling and recruiting efforts.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY I C	PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES		
		1Q	2Q	3Q	4Q	PY	NPF	TF			
							\$1000	\$1000			
*****EDUCATIONAL RESOURCE CENTERS*****										s	6545
										s	6546
DIVISION OF TRAINING AND MANPOWER DEVELOPMENT										H	6547
										H	6548
1. Educational Resource Development, T. Purcell 684-8240 (VUE-212-772)(14.8/9505/9798)(100/VUE-sXy-772)(100/VUE-sXY-773)	79	C						s e a		HcXyys	6550
.1 Administer ERC grant program										HcXyys	6551
.a Conduct Quarterly ERC Managers Meetings			1	2	3	4				HcXyys	6552
.b Review, negotiate and award continuation applications					12					HcXyys	6553
.c Develop program guidelines and criteria for review of ERC Renewal Applications for Second Five Years				o						HcXyys	6554
.d Provide technical assistance to grantees			3	6	9	12				HcXyys	6555
.2 Administer Training Project Grant Program										HcXyys	6556
.a Provide technical assistance to grantees			5	10	15	20				HcXyys	6557
.b Review, negotiate and award new, continuation, and renewal applications				2	18	20				HcXyys	6558
.3 Conduct Occupational Safety and Health Labor Market Study										HcXyys	6559
.a Submit RFC to Contracts Office			o							HcXyys	6560
.b Award contract					o					HcXyys	6561
.c Receive Final Report (4QFY82)										HcXyys	6562
.4 Provide career guidance and disseminate Occupational Safety and Health career information			o	o	o	o				HcXyys	6563
.5 Provide program assistance and technical consultation to academic institutions			1	2	3	4				HcXyys	6564
										HcXyys	6565
										HcXyys	6566
										HcXyys	6567
										HcXyys	6568
										HcXyys	6569
										HcXyys	6570
										HcXyys	6571

TECHNICAL SUPPORT

Division of Biomedical and Behavioral Science

DBBS provides technical-support projects in the areas of clinical chemistry, pathology, animal husbandry, inhalation toxicology, and particulate analysis. The aforementioned support is supplied to DBBS project directors, other NIOSH offices/divisions, government agencies, and the public in response to specific requests. The goal of the program area is to continue to supply scientific support of high quality to requesters.

Division of Criteria Documentation and Standards Development

In addition to responding to NIOSH overall needs, the Division supports the O/Ds' information documentation activities by (1) reviewing, evaluating, and supplementing new information on occupational hazards received or generated by NIOSH, and disseminating findings in appropriate documents, and (2) participating in the review of other Institute documents, the preparation of testimony for OSHA/MSHA public hearings, and the preparation of, and backup to, other Congressional hearings.

Division of Physical Sciences and Engineering

These DPSE efforts support field investigations which require sampling and analytical measurements. Modern equipment with automatic sample handling and data processing capabilities provides more answers more rapidly to the requester.

Division of Technical Services

The project on Statistical Experimental Design and Data Analysis is concerned with providing statistical design for controlled scientific experiments and performing statistical analyses of experimental data. Statistical experimental design serves to ensure that experimental effects are measured with adequate precision. Statistical analysis of data ensures that mere random variations will not be mistaken for real experimental effects. The work includes related scientific data processing and data base management by means of computers. Consultative advice is also given in scientific computer programming and statistical data processing.

The project on Survey Statistics and Statistical Project Review includes developing statistical design for large-scale field studies for NIOSH research divisions, including design of related questionnaires, in order to reduce or control both sampling and nonsampling errors. Data analyses for such studies and related data management activities also are included. The project also includes the management of the NIOSH Statistical Project Review Group.

Office of Extramural Coordination and Special Projects

This program area encompasses a number of high-priority liaison activities with other Federal agencies and Institute programs, several of which are mandated by law or represent Departmental directives. Included are Institute representation on intra- and inter-agency committees and coordination of the Mine Health Research Advisory Committee and the NIOSH Human Subjects Review Board. Also included are coordinating activities under major or pending interagency agreements with the National Health Statistics Center, Health Services Administration, and Council on Environmental Quality, and for such proposed interagency agreements as with the HMO Program, the Armed Forces Institute of Pathology, and EPA for the National Commission on Cancer, Heart, and Lung Diseases, as well as coordination of the Fourth NIOSH Scientific Symposium. These projects by their diversity have potential far-reaching benefits to workers across a main spectrum of American industry as well as to the development of occupational health services in primary health care systems and the training of occupational health professionals.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
*****TECHNICAL SUPPORT*****												u 6575
				.								u 6576
DIVISION OF BIOMEDICAL AND BEHAVIORAL SCIENCE												A 6577
												A 6578
1. Clinical-Biochemical Support Service (L. Lowry, 684-8338) (100/VOT-uXt-389)	81	81							u	c	a	AdXtyu 6580
.1 Develop Hazard Data Sheet (H.D.S.)				o								AdXtyu 6581
.2 Submit H.D.S. to Director, DBBS				o								AdXtyu 6582
.3 Submit H.D.S. to all project staff.				o								AdXtyu 6583
.4 Submit progress report to Director, DBBS				o	o	o	o					AdXtyu 6584
.5 Perform analyses:												AdXtyu 6585
a. DBBS in-house research samples from experimental animals				1.5k	3.0k	4.5k	5.0k					AdXtyu 6586
b. DBBS in-house research samples from human subjects				0.6k	1.3k	1.9k	2.5k					AdXtyu 6587
c. Industry-wide studies biological samples (IWSB-DSHEFS)				2.0k	4.0k	6.0k	8.0k					AdXtyu 6588
.6 Perform radioisotope monitoring and research support				1.8k	3.6k	5.4k	7.2k					AdXtyu 6589
.7 Develop methods as requested by DBBS and DSHEFS:												AdXtyu 6590
a. Catecholamines in urine - stress				o								AdXtyu 6591
b. Other methods as required					o	o	o					AdXtyu 6592
.8 Submit final project report to Director, DBBS							o					AdXtyu 6593
.9 Submit abstract to Director, NIOSH							o					AdXtyu 6594
												AdXtyu 6595
												AdXtyu 6596
												AdXtyu 6597
2. Diagnostic & Research Pathology Services (D. Groth, 684-8361) (100/VOT-uXt-386)	81	81							u	c	a	AdXtvu 6600
.1 Develop hazard data sheet (H.D.S.)				o								AdXtvu 6601
.2 Submit H.D.S. to Director, DBBS				o								AdXtvu 6602
.3 Submit H.D.S. to all project staff				o								AdXtvu 6603
.4 Perform animal autopsies				0.4k	0.8k	1.2k	1.6k					AdXtvu 6604
.5 Prepare histopathology slides (approximately 20,000/year)				5.0k	10k	15k	20k					AdXtvu 6605
.6 Prepare tissue sections for electron microscopy (approximately 150/quarter)				150	300	450	600					AdXtvu 6606
.7 Perform hematology tests (500/year)				125	250	375	500					AdXtvu 6607
.8 Submit progress reports to Director, DBBS				o	o	o	o					AdXtvu 6608
.9 Submit final project report to Director, DBBS							o					AdXtvu 6609
.10 Submit abstract to Director, NIOSH							o					AdXtvu 6610
												AdXtvu 6611
												AdXtvu 6612
												AdXtvu 6613
												AdXtvu 6614

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF	\$1000	\$1000
			O	C	N									
3. Particulate and Tissue Analysis Support (L. Stettler, 684-8337) (100/VOT-uXg-387)	81	81								u	b	a		
.1 Develop hazard data sheet (H.D.S.)													AdXgvu	6617
.2 Submit H.D.S. to Director, DBBS													AdXgvu	6618
.3 Submit H.D.S. to all project staff													AdXgvu	6619
.4 Submit progress report to Director, DBBS													AdXgvu	6620
.5 Perform particle chemical analyses (microprobe)			1.5k	3.0k	4.5k	6.0k							AdXgvu	6621
.6 Perform particle size analyses and surface area measurements			25	50	75	100							AdXgvu	6622
.7 Perform electron microscope evaluation of thin tissue (biological) sections			30	60	90	120							AdXgvu	6623
.8 Submit final project report to Director, DBBS													AdXgvu	6624
.9 Submit abstract to Director, NIOSH													AdXgvu	6625
													AdXgvu	6626
													AdXgvu	6627
													AdXgvu	6628
													AdXgvu	6629
													AdXgvu	6630
4. Animal Husbandry Support Service (J. Lal, 684-8360) (100/VOT-cXt-385)	81	81								u	b	a		
.1 Develop hazard data sheet (H.D.S.)													AdXtyu	6633
.2 Submit H.D.S. to Director, DBBS													AdXtyu	6634
.3 Submit H.D.S. to all project staff													AdXtyu	6635
.4 Develop RFC													AdXtyu	6636
.5 Complete peer review process													AdXtyu	6637
.6 Submit RFC to Director, DBBS													AdXtyu	6638
.7 Submit RFC to OAMS													AdXtyu	6639
.8 Submit progress reports to Director, DBBS													AdXtyu	6640
.9 Award contract													AdXtyu	6641
.10 Perform animal husbandry services and management													AdXtyu	6642
.11 Provide supplemental training of animal caretakers and DBBS staff (on-the-job and technical training at appropriate sites)													AdXtyu	6643
.12 Submit final project report to Director, DBBS													AdXtyu	6644
.13 Submit abstract to Director, NIOSH													AdXtyu	6645
													AdXtyu	6646
													AdXtyu	6647
													AdXtyu	6648
													AdXtyu	6649
													AdXtyu	6650

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES					
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000	
DIVISION OF PHYSICAL SCIENCES AND ENGINEERING													
7. Cancer Research Analytical Support (B. Belinky 684-4220) (100/VQK-ubc-423)	81	81											B 6692
													B 6693
.1 Provide analytical support to Industrywide Studies of:													Bbbctu 6694
a. Emerging problems			70	200	250	300							Bbbctu 6695
b. Wood Dye and Mold Makers			125	175									Bbbctu 6696
c. Nitrosamines			15	30	45	60							Bbbctu 6697
d. Azo Dyes						100							Bbbctu 6698
e. Formaldehyde			50	350	700								Bbbctu 6699
f. Tanning						100	200						Bbbctu 6700
g. Printing Trades			35	70									Bbbctu 6701
h. Roofing						75							Bbbctu 6702
i. Reproductive effects:													Bbbctu 6703
1. Microwave RF			75	150									Bbbctu 6704
2. Estrogens			100		150								Bbbctu 6705
j. Printing Trades				600	1.2k	1.8k							Bbbctu 6706
.2 Provide analyses of samples from DBBS			25	50	75	100							Bbbctu 6707
8. Control Technology Analytical Support (G. Choudhary 684-4217) (100/VQK-uXX-427)	81	81											Bbbctu 6708
.1 Provide analytical support for assessment of chemical adhesive bonding investigations			20	250	500	650							Bbbctu 6709
.2 Provide analytical support for assessment of mining and minerals processing				150	350	500							Bbbctu 6710
.3 Provide analytical support for assessment of chemical agents control			110	442	776	1.0k							Bbbctu 6711
													Bbbctu 6712
													Bbbctu 6713
													Bbbctu 6714
													Bbbctu 6715
													Bbbctu 6716
													Bbbctu 6717
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													BbXXyu 6723
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													BbXXyu 6730
													BbXXyu 6731
													BbXXyu 6732
													BbXXyu 6733
													BbXXyu 6734

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F			RESOURCES	
	FY		1Q	2Q	3Q	4Q	O C N	NPF	TF
	I	C					G H D	PY	\$1000 \$1000
9. Measurement Support Services - (C. Geraci 684-4231) (100/VQK-uXX-422)	81	81					u c a		
.1 Procure comprehensive Analytical Chemistry Services Contract								BbXXyu	6737
a. RFC to OAMS			o					BbXXyu	6738
b. Site visit competitive laboratories				o				BbXXyu	6739
c. Contract awarded					o			BbXXyu	6740
.2 Submit report of services received for year 4 of Contract 210-77-0071 to Contracting Officer						o		BbXXyu	6741
.3 Coordinate analytical service requests from Divisions/Offices and Regions			154	308	402	616		BbXXyu	6742
.4 Maintain a cumulative average turnaround time of 10 days for IH samples			10	10	10	10		BbXXyu	6743
.5 Maintain an average residence time of 40 days for all samples in laboratory.			40	40	40	40		BbXXyu	6744
								BbXXyu	6745
								BbXXyu	6746
								BbXXyu	6747
								BbXXyu	6748
								BbXXyu	6749
								BbXXyu	6750
								BbXXyu	6751
								BbXXyu	6752
								BbXXyu	6753
10. HHE Analytical Support - (John L. Holtz 684-4218) (100/VQK-uXX-425)	81	81					u b a		
.1 Provide weekly consultation to HETAB for HHE protocol planning			9	16	23	30		BbXXyu	6756
.2 Provide analyses of routine samples from initial and follow-up HHE and TA surveys by DSHEFS.			2.5k	5k	7.5k	10k		BbXXyu	6757
.3 Provide non-routine analyses of samples from initial and follow-up HHE's and TA by DSHEFS			600	1.2k	1.8k	3.6k		BbXXyu	6758
.4 Analyze samples from DRDS general industry HHE's			100	200	300	400		BbXXyu	6759
.4 Provide method development/modification in support of HHE's			4	8	12	16		BbXXyu	6760
.6 Provide analytical support to Tri-Region Pilot Project			o	o	o	o		BbXXyu	6761
.7 Maintain an average turnaround time of 30 days or less for in-house HHE/TA analyses			30	30	30	30		BbXXyu	6762
.8 Continue the Specialized Trace Organic Measurements Contract								BbXXyu	6763
a. RFC to OAMS				o				BbXXyu	6764
b. Contract awarded					o			BbXXyu	6765
								BbXXyu	6766
								BbXXyu	6767
								BbXXyu	6768
								BbXXyu	6769
								BbXXyu	6770
								BbXXyu	6771
								BbXXyu	6772
								BbXXyu	6773
								BbXXyu	6774
								BbXXyu	6775

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	O	C	N	PY	\$1000	\$1000
			G	H	D							
11. Mining Analytical Support - (D. Dollberg 684-4217) (13.5/167.0/256.2)(100/VQK-upd-426)	81	82					u	b	b			
.1 Provide analytical support to DBBS coal dust/diesel exhaust animal exposure study			120	200	260	300					Bbpduu	6778
.2 Provide analytical support to DRDS for industrial hygiene studies of:											Bbpduu	6779
a. Vermiculite, Zeolyte, ceramic crushed stone cement and kaolin workers			400	1.0k	1.5k	2.3k					Bbpduu	6780
b. Fibrous attapulgite workers				100	200	300					Bbpduu	6781
.3 Provide analytical support to DRDS for 35 MHHE's			200	400	600	800					Bbpduu	6782
.4 Provide analytical support to DSHEFS for industrial study of:											Bbpduu	6783
a. Sulfuric acid exposure				100							Bbpduu	6784
b. Petroleum refinery turnaround					200	400					Bbpduu	6785
.5 Provide analytical support to DRDS for the industrial hygiene study of:											Bbpduu	6786
a. Coal gasification			25	50	75	100					Bbpduu	6787
b. Coal liquefaction			25	250	375	500					Bbpduu	6788
c. Fluid bed combustion			25	50	75	100					Bbpduu	6789
d. Shale Oil Industries			25	50	75	100					Bbpduu	6790
.6 Provide analytical consultation related to the study of volcanic ash silica content			o	o	o						Bbpduu	6791
.7 Provide analytical support to the Target Mining Surveillance Study				100	200						Bbpduu	6792
.8 Provide analytical support to the Occupational Hazards Survey of Mining Industries (50 mines)					400	1.0k					Bbpduu	6793
.9 Conduct an analytical study of inorganic speciation											Bbpduu	6794
a. RFC to OAMS			o		o						Bbpduu	6795
b. Contract awarded											Bbpduu	6796
c. Receive final report (2Q82)											Bbpduu	6797
12. Quality Assurance - Internal (D. Smith 684-4217) (100/VQK-uXX-420)	81	81					u	c	a			
.1 Update Laboratory Q.A. Manual			o	o							BbXXyu	6817
.2 Establish field sample labeling and return receipt protocol.				o							BbXXyu	6818
.3 Update AIHA accreditation					o						BbXXyu	6819
.4 Submit quarterly Q.A. report to Director, DPSE			o	o	o	o					BbXXyu	6820
											BbXXyu	6821
											BbXXyu	6822
											BbXXyu	6823
											BbXXyu	6824
											BbXXyu	6825

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F			RESOURCES			
				1Q	2Q	3Q	4Q	O	C	N	NPF	TF		
				G	H	D	PY	\$1000	\$1000					
13. Quality Assurance-External (P. Schlecht 684-4357) (0.4/5/17)(100/VQX-uNy-458)	81	82						u	g	d			BdNyyu	6828
													BdNyyu	6829
													BdNyyu	6830
.1 Operate the Proficiency Analytical Testing (PAT) Program													BdNyyu	6831
a. Provide for 305 labs			275	285	295	305							BdNyyu	6832
													BdNyyu	6833
b. Provide 34K reference samples			8K	16K	24K	34K							BdNyyu	6834
c. RFC sent to OAMS				o									BdNyyu	6835
d. Contract awarded for PAT sample production (option year)						o							BdNyyu	6836
e. Provide performance information to participants			o	o	o	o							BdNyyu	6837
.2 Provide technical and quality assurance site visits for government and government contract labs (number of site visit reports)			1	2	3	4							BdNyyu	6838
													BdNyyu	6839
.3 Develop NBS Standard Reference Materials (SRM's) for quartz													BdNyyu	6840
a. IA sent to OPPE			o										BdNyyu	6841
b. IA executed				o									BdNyyu	6842
c. Complete phase I of IA						o							BdNyyu	6843
d. Receive final report (1Q82)							o						BdNyyu	6844
.4 Implement system changes for operation of PAT program on a quarterly basis starting in January 1981													BdNyyu	6845
a. Complete computer programming changes necessary for operation of PAT on a quarterly basis with a revised enrollment policy						o							BdNyyu	6846
b. RFC sent to OAMS for PAT Program administration and data processing, and QA laboratory assessment program					o								BdNyyu	6847
d. Contract awarded							o						BdNyyu	6848
													BdNyyu	6849
													BdNyyu	6850
													BdNyyu	6851
													BdNyyu	6852
													BdNyyu	6853
													BdNyyu	6854
													BdNyyu	6855
14. Maintenance and Calibration Services (P. Schlecht 684-4266) (1/50/80)(100/VQX-uth-459)	81	82						u	g	a			Bdthyu	6858
.1 Industrial hygiene instruments repaired			250	500	750	1000							Bdthyu	6859
													Bdthyu	6860
.2 I.H. instruments calibrated at M/C laboratory			150	300	450	600							Bdthyu	6861
													Bdthyu	6862
.3 Evaluate the contracting of maintenance and calibration of field equipment													Bdthyu	6863
a. "Sources sought" published			o										Bdthyu	6864
b. Develop and submit RFC to Director, DPSE based on responses found to "sources sought"				o									Bdthyu	6865
c. RFC sent to OAMS						o							Bdthyu	6866
d. Contract awarded							o						Bdthyu	6867
													Bdthyu	6868
													Bdthyu	6869
													Bdthyu	6870
													Bdthyu	6871

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F			RESOURCES			
				1Q	2Q	3Q	4Q	O	C	N	NPF	TF		
				G	H	D	PY	\$1000	\$1000					
DIVISION OF RESPIRATORY DISEASE STUDIES														
15. Computer Support (Boyce L 304-599-7306) (VKQ-311-232) (100/VKQ-uDX-232)	80		C							u	b	a	C	6874
.1 Process medical exam program data				o	o	o	o						CeDpyu	6876
.2 Process NCS data				o	o	o	o						CeDpyu	6877
.3 Data entry				o	o	o	o						CeDpyu	6878
.4 Programming research/HHE/exam				50	100	150	200						CeDpyu	6879
													CeDpyu	6880
													CeDpyu	6881
													CeDpyu	6882
													CeDpyu	6883
16. Pathology and Microanalysis Support for DRDS (Vallyathan V 304-599-7581) (VKC-R23-166) (100/VKC-uDp-116)	81		C							u	c	a	CdDpgu	6886
.1 Provide assistance in planning, experimental design, tissue processing to all DRDS projects where pathology support is required				o	o	o	o						CdDpgu	6887
.2 Provide elemental analysis, mineral identification and electron microscopical and scanning electron microscopical studies to Divisional research investigations				o	o	o	o						CdDpgu	6888
.3 Support Environmental Investigations Branch investigations by providing dust analysis				o	o	o	o						CdDpgu	6889
.4 Provide histopathological evaluation of tissues and interpretations of results				o	o	o	o						CdDpgu	6890
.5 Processing, investigations and interpretations of biopsy and autopsy tissues and reporting to pathologists around the country				o	o	o	o						CdDpgu	6891
													CdDpgu	6892
													CdDpgu	6893
													CdDpgu	6894
													CdDpgu	6895
													CdDpgu	6896
													CdDpgu	6897
													CdDpgu	6898
													CdDpgu	6899
													CdDpgu	6900
													CdDpgu	6901
													CdDpgu	6902
													CdDpgu	6903

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	PLANNED	COMPLETION	O C N	P M F	R E U	RESOURCES											
							I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000
OFFICE OF EXTRAMURAL COORDINATION AND SPECIAL PROJECTS																		
17. NIOSH Extramural Coordination and Special Projects (Bridbord, 443-6437) (VCA-100-012) (13.0/0.300/0.600) (100/VCA-uXy-873)	76	C																
.1 Perform Institute Extramural Coordination																		F 6906
a. Represent Institute on Intra-and Interagency Committees			o	o	o	o												F 6907
.01 National Commission on Cancer, Heart and Lung Diseases																		FFXyNu 6908
.02 HEW Digestive Diseases Coordinating Committee																		FFXyNu 6909
.03 Committee to Coordinate Environmental and Related Programs																		FFXyNu 6910
.04 HEW Committee on Health Research Principles																		FFXyNu 6911
.05 White House Task Force on Pain																		FFXyNu 6912
.06 Ad Hoc Working Group on Dermatology																		FFXyNu 6913
b. Other Coordination Activities																		FFXyNu 6914
.01 Hold meetings of Mine Health Research Advisory Committee																		FFXyNu 6915
.02 Hold meetings of NIOSH Human Subjects Review Board			1	2	3													FFXyNu 6916
c. Interagency Agreements			3	6	9	12												FFXyNu 6917
.01 Receive final report from CEQ on study of reproductive hazards					o													FFXyNu 6918
.02 Obtain signatures of concurrence on agreement with AFIP and transfer funds accordingly					o													FFXyNu 6919
.03 Complete agreement with EPA for National Commission on Cancer, Heart and Lung Diseases and transfer funds accordingly			o															FFXyNu 6920
.04 Complete agreements with sponsoring agencies for project on education of health professionals in occupational/environmental health			o															FFXyNu 6921
.05 Award contract for project in .04 above						o												FFXyNu 6922
.06 Transfer funds to CDC for diabetes conference			o															FFXyNu 6923
.2 Special projects																		FFXyNu 6924
a. Hold Third Annual NIOSH Scientific Symposium			o															FFXyNu 6925
b. Submit RFC for Fourth Annual NIOSH Scientific Symposium to OAMS				o														FFXyNu 6926
c. Award Contract for Fourth Annual NIOSH Scientific Symposium						o												FFXyNu 6927
d. Hold Occupational Medicine Conference for NIOSH EIS Officers and other staff			o															FFXyNu 6928
e. Participate in CDC EIS Conference						o												FFXyNu 6929
f. Obtain review of physician career development paper						o												FFXyNu 6930
g. Develop outline and identify candidates for book			o															FFXyNu 6931

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	PLANNED COMPLETION				P M F			RESOURCES					
	FY		O C N		R E U			NPF	TF				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	\$1000	\$1000	
on "Differential diagnoses for occupationally related diseases"													FFXyNu 6952
h. Submit RFC for Occupational Health Center for Lung Disease to OAMS				o									FFXyNu 6953
i. Award contract for h.													FFXyNu 6954
J. Protection of Workers in Hazardous Waste Site Cleanup													FFXyNu 6955
.01 Establish interagency committee on worker protection (NIOSH/OSHA/EPA)			o										FFXyNu 6956
.02 Establish Interdivisional Committee to plan and review NIOSH research and strategies for hazardous waste clean-up			o										FFXyNu 6957
.03 Work with DCSDS to modify contract for hazardous waste site/worker protection review			o										FFXyNu 6958
.04 Receive and review final report									o				FFXyNu 6959
.05 Initiate plans for interagency worker protection manual					o								FFXyNu 6960
													FFXyNu 6961
													FFXyNu 6962
													FFXyNu 6963
													FFXyNu 6964
													FFXyNu 6965
													FFXyNu 6966
													FFXyNu 6967
													FFXyNu 6968

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY I C	PLANNED COMPLETION				P M F R E U O C N G H D	PY	RESOURCES		
		1Q	2Q	3Q	4Q			NPF	TF	
								\$1000	\$1000	
c. Receive FY 1980 annual progress report from PHS Hospital Center			o					FFXyNu	7017	
d. Receive FY 1980 annual financial report from PHS Hospital Center			o					FFXyNu	7018	
								FFXyNu	7019	
								FFXyNu	7020	
								FFXyNu	7021	
DIVISION OF TECHNICAL SERVICES								I	7023	
								I	7024	
19. Statistical Development Activities, Kenneth Busch, 684-8306 (VSC-321-722)(1.9/8.6/58.9)(100/VSC-uyy-722)	77	C						u g a	Iayyyu	7026
									Iayyyu	7027
									Iayyyu	7028
.1 Provide 60 consultation days related to statistical theory and applied statistic activities			15	30	45	60			Iayyyu	7029
.2 Development of statistical methodology to support other NIOSH programs			o	o	o	o			Iayyyu	7030
.3 Lecture at NIOSH training courses (demand dependent)			3	6	9	12			Iayyyu	7031
.4 Provide 4 NIOSH-wide statistical seminars			1	2	3	4			Iayyyu	7032
									Iayyyu	7033
									Iayyyu	7034
									Iayyyu	7035
20. Survey Statistics and Statistical Project Review John Morrison, 684-8306 (7.0/36.6/205.3)(100/VSC-uyy-723)	77	C						u g a	Iayyyu	7038
									Iayyyu	7039
									Iayyyu	7040
									Iayyyu	7041
.1 Provide 10 statistical designs for field survey studies			2	4	7	10			Iayyyu	7042
.2 Perform statistical data management			9	18	27	36			Iayyyu	7043
.3 Provide 16 data analysis reports for survey studies			3	6	11	16			Iayyyu	7044
.4 Statistical Project Review Group									Iayyyu	7045
a. PRG assignments made			9	18	27	36			Iayyyu	7046
b. FRA/HSRB re-reviews by Chairperson			3	6	9	12			Iayyyu	7047
c. Revise SPRG Guidelines and disseminate report									Iayyyu	7048
1. Review copy to Office/Division Directors					o				Iayyyu	7049
2. Final Report to NIOSH Director						o			Iayyyu	7050
d. Complete draft of report: "Guidelines on Statistical Review of Research Manuscripts"						o			Iayyyu	7051
(Review copies to Office/Division Directors, 1st Q 82)						o			Iayyyu	7052
.5 Review 48 reports and contract proposals (demand dependent)			12	24	36	48			Iayyyu	7053
									Iayyyu	7054
									Iayyyu	7055
21. Statistical Experimental Design and Data Analysis Richard Hornung, 684-8306 (8.2/24.1/219.4)(100/VSC-uyy-724)	77	C						u g a	Iayyyu	7058
									Iayyyu	7059
									Iayyyu	7060
									Iayyyu	7061
.1 Provide experimental designs for 20 research projects			5	10	15	20			Iayyyu	7062
.2 Provide 29 data analysis reports for experimental studies			6	13	20	29			Iayyyu	7063
.3 Develop Statistical Protocol for revised PAT program					o				Iayyyu	7064
.4 Provide consultation support in the area of statistical data management (demand dependent upon number of requests)			9	18	27	36			Iayyyu	7065
									Iayyyu	7066
									Iayyyu	7067

ADMINISTRATION

Office of the Director, NIOSH

The Office of the Director, in providing management leadership for the National Institute for Occupational Safety and Health, plans, directs, and coordinates the national program to develop and establish recommended occupational safety and health standards and to conduct research, training, technical assistance, and related activities to ensure safe and healthful working conditions for working men and women.

Each NIOSH office/division carries out related functions to respond to the administrative needs of NIOSH, and to manage its own resources. Each O/D also supports the others with its specialized expertise as needed. Several O/Ds provide support services to the entire Institute.

Office of Administrative Management Services

OAMS supports the total Institute with services including: finances; personnel activities; procurement and control of properties, equipment, and services; establishment of policies and procedures; and technical leadership and guidance.

Office of Program Planning and Evaluation

OPPE plans and coordinates the development of the strategy and philosophy of operation of the Institute regarding mission and objectives, conducts policy analyses, conducts or participates in special studies for program planning and evaluation, and conducts the necessary control functions to ensure operational compliance toward program objectives within the Institute. Program planning will be developed to provide adequate control over resources and performance. OPPE will develop a project management system to evaluate variances in cost and technical performance as well as variances in project scheduling. Program review will be tailored to monitor and analyze these variances. Program planning also will be based on opportunities to intervene in economic, legal, and technical processes to prevent hazards in the workplace. Policy analysis will provide baseline information on these processes and permit special assessment of possible intervention targets.

Division of Biomedical and Behavioral Science

DBBS's administrative project consists of the following activities: (1) management of the Division's approximately 80 research projects, (2) development of Division policies, (3) coordination of inter-Divisional programs, and (4) interacting with NIOSH headquarters to ensure adherence to Institute goals and policies.

Division of Criteria Documentation and Standards Development

DCDSD's administrative functions include (1) development and implementation of Division policies; (2) ensuring adherence to NIOSH policies and goals; and (3) establishment of priorities in, and management of, NIOSH information documentation and dissemination.

Division of Physical Sciences and Engineering

The Division Director provides leadership to develop and accomplish Division programs in support of NIOSH goals.

Division of Respiratory Disease Studies

DRDS's administrative functions are to provide direction and support to the Division's activities, to support operations of its organizational components, and to respond to the administrative needs of the Institute.

Division of Safety Research

The objectives of administration are to conduct an efficient, dynamic, and innovative research and technical assistance program. The expected output is high quality research leading to recommendations that will reduce occupational injuries.

Division of Surveillance, Hazard Evaluation, and Field Studies

The purpose of this program area is to provide direction (technical and policy) and administrative support to DSHEFS' research activities; to supplement the Branches' research studies; to provide occupational health expertise to other agencies, groups, etc; and to respond to the administrative needs of NIOSH. This program area also includes the technical and administrative needs of the Support Services Branch within DSHEFS.

Division of Technical Services

The purpose of DTS's administrative functions is to manage the Division's resources and to respond to the administrative needs of the Institute. Support services provided to all the Institute O/Ds include technical information through Clearinghouse, statistical services to research activities, and translations, microfilms, and publications for NIOSH libraries.

Division of Training and Manpower Development

This project provides for administrative and "overhead" support for the Division, for supervision and performance evaluation of senior staff members, for overall program planning, and for management and costs of Division personnel career development. It also provides for the NIOSH interface with other Federal agencies and others in HHS in the area of training, education, and workforce development. The primary agencies dealt with are OSHA, MSHA, EPA, Department of Education, HRA, and NIH.

A major activity is support of, and cooperative projects with, other O/Ds and NIOSH general functions: e.g., exhibits, audiovisuals for DTS Office of Information, hearings, etc.; technical review of research manuscripts (all research divisions), criteria documents (DCDSD), unsolicited and solicited contract proposals (OPPE, cognizant O/D); participation in Human Subjects Review Board, Long-Term Training/Career Development Committee, EEO Council, and other special "taskforce" type assignments.

Office of Extramural Coordination and Special Projects

The purpose of this program area is to provide direction (technical and policy) and administrative support to OECSP activities, to supplement Branch operations, and to respond to the administrative needs of NIOSH.

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	PLANNED COMPLETION				P M F			RESOURCES	
	FY	I Q	2Q	3Q	4Q	O C N	G H D	PY	NPF TF
	I C								\$1000 \$1000
*****ADMINISTRATION*****									v 7072
									v 7073
DIVISION OF BIOMEDICAL AND BEHAVIORAL SCIENCE									A 7074
									A 7075
1. Administration of DBBS Activities (B. Johnson, 684-8465) (100/VOA-vXy-303)(100/V00-vXy-348)(100/VOB-vXy-284) (100/VOG-vXy-355)(100/VOT-vXy-390)	81	81					v c a		AAxyyv 7076
.1 Submit Quarterly Program Progress Reports			o	o	o	o			AAxyyv 7077
.2 Personnel Evaluations									AAxyyv 7078
a. Completion of evaluations for 108 (approx.) Civil Servents					o				AAxyyv 7079
b. Completion of evaluations for 18 Commissioned Officers						o			AAxyyv 7080
.3 Receive final report and submit report to Director, NIOSH for 0 completed projects									AAxyyv 7081
.4 Receive final report and submit report to Director, NIOSH for 33 projects to be completed this year									AAxyyv 7082
a. Neurotoxicity of Methyl Bromide						o			AAxyyv 7083
b. Workshop on Machine-Pacing Stress						o			AAxyyv 7084
c. Behavioral Teratology of Ethoxyethanol				o					AAxyyv 7085
d. Neurotoxicity of Ethylene & Propylene Oxides						o			AAxyyv 7086
e. Repetitive Lifting: Limiting Factors						o			AAxyyv 7087
f. Work Practices Guide for Listing Tasks						o			AAxyyv 7088
g. Occupational Disorders of the Wrist						o			AAxyyv 7089
h. Effect of Respirators on Development of Fatigue						o			AAxyyv 7090
i. Trauma of Alternative Work Schedules						o			AAxyyv 7091
j. Effects of Phase Shifts and Stressor Exposure						o			AAxyyv 7092
k. Fetal/Maternal Distribution of Chemicals						o			AAxyyv 7093
l. Effect of Maternal Lead Exposure on Offspring						o			AAxyyv 7094
m. Cancer Risk Reduction by Job Redesign						o			AAxyyv 7095
n. Machine Oils & Nitrosamines - Carcinogenesis						o			AAxyyv 7096
o. Roof Asphalts, Pitch & UVL - Carcinogenesis						o			AAxyyv 7097
p. Mutagenicity - Tier II Priority Compounds						o			AAxyyv 7098
q. Development of Immunoassay Procedures						o			AAxyyv 7099
r. Metabolism of Azo Dyes to Aromatic Amines						o			AAxyyv 7100
s. Carcinogenicity of Short Asbestos Fibers				o					AAxyyv 7101
t. Symposium on Workers' Macular Degeneration						o			AAxyyv 7102
u. Segmental Vibration: Chippers and Grinders						o			AAxyyv 7103
v. Develop Standard Photosensitization Methods						o			AAxyyv 7104
w. RF/Microwave Teratogenic Effects Study						o			AAxyyv 7105
x. Clinical - Biochemical Support Service						o			AAxyyv 7106
y. Diagnostic & Research Pathology Services						o			AAxyyv 7107
z. Particulate and Tissue Analysis Support						o			AAxyyv 7108
aa. Animal Husbandry Support Services						o			AAxyyv 7109
bb. Inhalation Toxicology Facilities Services						o			AAxyyv 7110
cc. Clinical Chemistry Service & Support - HHES						o			AAxyyv 7111
dd. Clinical Biochemistry Support - Mining						o			AAxyyv 7112
									AAxyyv 7113
									AAxyyv 7114
									AAxyyv 7115
									AAxyyv 7116
									AAxyyv 7117

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F			RESOURCES					
	I	C	1Q	2Q	3Q	4Q	O	C	N	PY	\$1000	\$1000	
													G
ee. Behavioral-Ergonomic Support for HHEs													AAxyyv 7118
ff. Health Hazard Evaluations of Physical Agents													AAxyyv 7119
gg. DBBS Administration													AAxyyv 7120
.5 Accumulated spending on non personnel funds by organizational unit and Program by quarter for the Fiscal Year. (k)			3.9k	5.8k	6.6k	7.0k							AAxyyv 7121
a. Office of the Director			315	423	541	675							AAxyyv 7122
b. Applied Psychology and Ergonomics Branch			818	1.3k	1.7k	1.8k							AAxyyv 7123
c. Experimental Toxicology Branch			1.5k	2.0k	2.1k	2.1k							AAxyyv 7124
d. Physical Agents Effects Branch			337	745	807	849							AAxyyv 7125
e. Technical Support Branch			893	1.3k	1.4k	1.5k							AAxyyv 7126
f. Administration			102	229	348	486							AAxyyv 7127
g. Control Technology			0	0	2	2							AAxyyv 7128
h. Toxicology			2.3k	2.9k	3.1k	3.2k							AAxyyv 7129
i. Criteria Documentation and Standards Development			383	430	489	519							AAxyyv 7130
j. Surveillance			268	314	360	362							AAxyyv 7131
k. Ergonomics and Job Design			274	688	939	1.0k							AAxyyv 7132
l. Health Hazard Evaluations/Technical Assistance			21	117	152	175							AAxyyv 7133
m. Epidemiology			69	105	130	132							AAxyyv 7134
n. Personal Protective Equipment Research and Certification			9	35	43	45							AAxyyv 7135
o. Monitoring Equipment Development			1	178	179	181							AAxyyv 7136
p. Technical Support			341	770	854	899							AAxyyv 7137
.6 Submit Quarterly EEO Report to NIOSH EEO Officer			o	o	o	o							AAxyyv 7138
.7 Review DBBS Safety Committee Report			o	o	o	o							AAxyyv 7139
.8 Review progress of hiring handicapped persons			o	o	o	o							AAxyyv 7140
.9 Submit progress report to NTP			o	o	o	o							AAxyyv 7141
.10 Review DBBS projects with other Divisions			o	o	o	o							AAxyyv 7142
													AAxyyv 7143
													AAxyyv 7144
													AAxyyv 7145
													AAxyyv 7146
													AAxyyv 7147
													AAxyyv 7148
													AAxyyv 7149
													AAxyyv 7150
													AAxyyv 7151
													AAxyyv 7152
													AAxyyv 7153
													AAxyyv 7154
													AAxyyv 7155
													AAxyyv 7156
													AAxyyv 7157
													AAxyyv 7158
													AAxyyv 7159
													AAxyyv 7160
													AAxyyv 7161

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				PLANNED COMPLETION				P M F			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	R E U		NPF	TF			
										O	C	N	PY	\$1000	\$1000	
DIVISION OF PHYSICAL SCIENCES AND ENGINEERING														B	7164	
2. Administrative Support for DPSE Research (W. Haag 684-4321)	81	81								v	g	a			B	7165
(100/VQA-vXy-402)															BBXyyv	7166
.1 Quarterly Program Reviews			o	o	o	o									BBXyyv	7167
.2 Personnel evaluations:															BBXyyv	7168
a. Complete evaluation CO personnel			o												BBXyyv	7169
b. Complete evaluation C.S. personnel					o										BBXyyv	7170
.3 Receive and submit final report for completed projects including President's annual report			o	o	o	o									BBXyyv	7171
.4 Receive and submit reports to Director, NIOSH for projects to be completed this year			o	o	o	o									BBXyyv	7172
.5 Accumulate spending of nonpersonnel funds by organizational Unit and Program by quarter			o	o	o	o									BBXyyv	7173
.6 Submit quarterly EEO report			o	o	o	o									BBXyyv	7174
															BBXyyv	7175
															BBXyyv	7176
															BBXyyv	7177
															BBXyyv	7178
															BBXyyv	7179
															BBXyyv	7180

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY				PLANNED COMPLETION				P M F			RESOURCES			
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF			
													\$1000	\$1000	
DIVISION OF RESPIRATORY DISEASE STUDIES															C 7183
															C 7184
3. Office of the Director-Division Management	81	C								v	b	d			CCDpyv 7185
(100/VKA-vDp-103) (VKA-R11-103) (Merchant J x7474)															CCDpyv 7186
.1 Monitor submission of Division RFC's															CCDpyv 7187
a. ACP (DD) Submitted 4Q80 (U. of Vermont)															CCDpyv 7188
b. ACR (OD) \$150,000															CCDpyv 7189
c. IH Char FBC (175) \$280,000 (award)															CCDpyv 7190
d. Case Location Services															CCDpyv 7191
e. Medical Data Collection-Wood Dust (award)															CCDpyv 7192
f. Medical Surveillance Gasitration Workers															CCDpyv 7193
g. IA-DOE Worker Registry (ORUL)															CCDpyv 7194
h. Animal Support Contract (award)															CCDpyv 7195
i. Muta-Monitoring High Risk Workers (award)															CCDpyv 7196
j. In Vitro Muta Testing (award)															CCDpyv 7197
k. U. Vermont (award)															CCDpyv 7198
l. U. Vermont (modify)															CCDpyv 7199
m. Diesel Exhaust-Coal Dust 117															CCDpyv 7200
(\$30,000 Dust Analysis)															CCDpyv 7201
(\$10,000 Morphometric Analysis) 117															CCDpyv 7202
(\$10,000 Morphometric Analysis) 117															CCDpyv 7203
n. Analytical Support (Submit) 169															CCDpyv 7204
o. Characterization Support (Submit) 169															CCDpyv 7205
p. Computer Modelling Support (\$30,000) 169															CCDpyv 7206
q. IH Study of Scrubber Process 170															CCDpyv 7207
r. IH Characterization of															CCDpyv 7208
Oil-Shale Industries 166															CCDpyv 7209
IA (PNL/LASL/LLL)															CCDpyv 7210
(\$45,000)															CCDpyv 7211
IA (Colorado)															CCDpyv 7212
(\$12,000)															CCDpyv 7213
IH Survey Contract															CCDpyv 7214
or IA (\$50,000)															CCDpyv 7215
Laboratory Analysis															CCDpyv 7216
Q.A. Contract (\$30,000)															CCDpyv 7217
.2 Monitor project peer review process															CCDpyv 7218
.3 Complete 50 COEPR evaluations for commissioned															CCDpyv 7219
corps personnel															CCDpyv 7220
.4 Complete 100 personnel evaluations for															CCDpyv 7221
civil service employees															CCDpyv 7222
.5 Provide technical monitoring review to															CCDpyv 7223
NIOSH grants															CCDpyv 7224
.6 Monitor WHO contract															CCDpyv 7225
.7 Receive ACR quarterly report															CCDpyv 7226
.8 Monitor distribution of Division free															CCDpyv 7227
															CCDpyv 7228

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	PLANNED COMPLETION						P M F R E U O C N			RESOURCES		
	FY	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF	
	I	C								\$1000	\$1000	
funds by quarter (2.3k,2.0k,1.1k,.8k)											CCDpyv	7229
.9 Receive final reports from DRDS FY80 Projects and submit to Director NIOSH (abstract) and DTS (abstract and report)											CCDpyv	7230
a. Carcinogenesis Detection Study by Immunologic Means				o							CCDpyv	7231
b. Sampling Methodology for Environmental Mutagens				o							CCDpyv	7232
c. Magnetometry/Pathology Correlative Study of C.W.P.					o						CCDpyv	7233
d. X-Ray/Pathology Correlative Studies in Pneumoconiosis					o						CCDpyv	7234
e. Diesel & Metal Particulates on Interferon Synthesis				o							CCDpyv	7235
f. Al. Cr. Fe Toxicity to Lung Cells				o							CCDpyv	7236
g. Macrophage Induction of Fibrogenic Activity				o							CCDpyv	7237
h. Lung Mechanics in Experimental ORD Edema (work) Emphysema (work) put together in final report				o							CCDpyv	7238
i. Pharmacological Studies of Broncho Constriction				o							CCDpyv	7239
j. Toxicity of Inhaled Mycotoxins				o							CCDpyv	7240
k. Immunogenetics of Beryllium Disease in Humans				o							CCDpyv	7241
l. Morbidity I.H. Study of Workers Exposed to SOx/NOx - EIB				o							CCDpyv	7242
m. Summary reports for surveillance (Env) Float-sink Coal Cleaning Wetting Agents				o							CCDpyv	7243
n. Medical Protocol for Energy Industries				o							CCDpyv	7244
o. Talc report				o							CCDpyv	7245
p. Coal Mortality Report				o							CCDpyv	7246
q. Morbidity & I.H. Study of Workers exposed to SOx/NOx - EPI				o							CCDpyv	7247
.r Morb. IH Study of Oil Shale Workers			o								CCDpyv	7248
.s Env. Study Diesel Emission in Coal Mines					o						CCDpyv	7249
.10 Submit quarterly report to NIOSH EEO Officer			o	o	o	o					CCDpyv	7250
.11 Receive final reports from DRDS FY81 Projects and submit to Director, NIOSH (abstract) and DTS (abstract and report). (I) Represents Interim Report only.											CCDpyv	7251
.a Annual HHE Report			o								CCDpyv	7252
.b Env. Surv. Third Round (I)						o					CCDpyv	7253
.c Wood Dust-IH (I)						o					CCDpyv	7254
.d Added Resistance to Breathing (I)											CCDpyv	7255

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	PY	NPF	TF	\$1000	\$1000	
.e Surveillance Strategy Options					o							CCDpyv 7275
.f Target Mining Surveillance Tasks				2	6	11						CCDpyv 7276
.g Image Analysis Chest X-Rays						o						CCDpyv 7277
.h Spirometer Testing Protocol						o						CCDpyv 7278
.i EPI/IH Study, New/Ex Miners						o						CCDpyv 7279
.j Morb/IH Cement Workers (IH-I)						o						CCDpyv 7280
.k Case Control-Metal Miners						o						CCDpyv 7281
.l Crushed Stone (IH-I)						o						CCDpyv 7282
.m Comparison 2 Morb. Studies of Metal Miners						o						CCDpyv 7283
.n Registry Workers Emerg. Energy Tech (I)						o						CCDpyv 7284
.o Case Control of GI Cancer						o						CCDpyv 7285
.p Path. Stds. Asbestos Lung Disease						o						CCDpyv 7286
.q Organic Dust/ASM and Nerve Effects						o						CCDpyv 7287
.r In Vivo Eff. Metal Lung Lipid Person						o						CCDpyv 7288
.s Chrysotile Asbestos Worker						o						CCDpyv 7289
.t Pilot-EPA/IM - Ceramic Workers (I)						o						CCDpyv 7290
.u Morb/IM Fibrous Attapulgit						o						CCDpyv 7291
.v ORD Report					o							CCDpyv 7292
.w Resource Recovery				o								CCDpyv 7293
.x Endotoxins - Animal Confinement (I)				o								CCDpyv 7294
.y Hypersensitivity Pneumonitis (I)						o						CCDpyv 7295
4. Occupational Respiratory Disease Study (Merchant J 304-599-7474) (100/VKA-vDy-104)	81	81							v d y			CCDpyv 7296
.1 Receive all drafts of ORD Chapters												CCDyyv 7299
.2 Complete peer review of ORD Chapters				o								CCDyyv 7300
.3 Complete editorial revision of Chapters				o								CCDyyv 7301
.4 Transmit ORD report to ASPER/DOL				o								CCDyyv 7302
.5 Publish as NIOSH technical publication					o							CCDyyv 7303
												CCDyyv 7304
												CCDyyv 7305
												CCDyyv 7306
												CCDyyv 7307

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F R E U O C N G H D	PY	RESOURCES	
				1Q	2Q	3Q	4Q			NPF	TF
										\$1000	\$1000
DIVISION OF SURVEILLANCE, HAZARD EVALUATIONS AND FIELD STUDIES											
5. Technical Management (DSHEFS) (100/VMA-vBC-522)(100/VMR-vBC-680)	81		C					v b a		D	7310
.1 Extend case location contract (210-79-0085).							o			DDBctv	7312
.2 Extend computer services contracts.						o				DDBctv	7313
.3 Conduct project progress reviews.				o	o	o	o			DDBctv	7314
.4 Develop program and project plans for the next fiscal year in compliance with NIOSH planning guidance.							o			DDBctv	7315
.5 Review and stimulate training including long-term training for Division/Office staff.				o	o	o	o			DDBctv	7316
.6 Assist local Administrative Officer in areas including energy conservation, space, safety and health problems, equipment utilization, etc.				o	o	o	o			DDBctv	7317
.7 Provide requests for contract and IA action to OAMS and OPPE as approved in program and project plans.				8	14					DDBctv	7318
.8 Review contract monitoring with Branch Chiefs on quarterly basis. Identify problem areas and consult with contracting officer.				o	o	o	o			DDBctv	7319
.9 Develop annual merit pay plans.				o						DDBctv	7320
.10 Review progress on merit pay plans.				o	o	o	o			DDBctv	7321
.11 Nominate O/D staff for awards.				o	o	o	o			DDBctv	7322
.12 Complete CS performance evaluations.							o			DDBctv	7323
.13 Complete Commissioned Officer evaluations.				o						DDBctv	7324
.14 Conduct staff meetings with Branch Chiefs.				o	o	o	o			DDBctv	7325
.15 Review monthly status of funds for all projects generally and the O/D as an organization.				o	o	o	o			DDBctv	7326
.16 Report EEO activities quarterly, i.e. recruitment, career development, etc.				o	o	o	o			DDBctv	7327
.17 Complete Division portion of Annual Report.				o						DDBctv	7328
.18 Complete 355 final reports and submit abstract to Director, NIOSH and copy to DTS.										DDBctv	7329
a. Case control study of shipyard workers.								o		DDBctv	7330
b. Emerging problems.				1	3	4	5			DDBctv	7331
c. Brain tumors in Texas City, Texas (Mort.)								o		DDBctv	7332
d. Aluminum Reduction (Mort. & Ind. Hyg.)							2			DDBctv	7333
e. Plywood, Paper and Pulp (Mort.)								o		DDBctv	7334
f. Nitrosamines (Ind. Hyg.)				2						DDBctv	7335
g. Epidemiologic Methods								o		DDBctv	7336
h. Styrene (Mort.)								o		DDBctv	7337
i. New Agents-III (Ind. Hyg.)				o	o					DDBctv	7338
j. Toluene (Ind. Hyg.)				o						DDBctv	7339
										DDBctv	7340
										DDBctv	7341
										DDBctv	7342
										DDBctv	7343
										DDBctv	7344
										DDBctv	7345
										DDBctv	7346
										DDBctv	7347
										DDBctv	7348
										DDBctv	7349
										DDBctv	7350
										DDBctv	7351
										DDBctv	7352
										DDBctv	7353
										DDBctv	7354
										DDBctv	7355

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	PLANNED COMPLETION				P M F			RESOURCES				
		I	C	1Q	2Q	3Q	4Q	R E U		PY	\$1000	\$1000	
								O	C				N
k. Petroleum Refining (Mort.)						0						DDBctv	7356
l. Petroleum Refining (Industrial Hygiene)			0									DDBctv	7357
m. Electric Components Mfg. (Ind. Hyg.)						0						DDBctv	7358
n. Carbon monoxide (Mort.)					0							DDBctv	7359
o. Lead (Mort. & Reproductive)						2						DDBctv	7360
p. Microwaves and RF (Rep. & Ind. Hyg.)					0							DDBctv	7361
q. Estrogens (Medical)						0						DDBctv	7362
r. Cytogenetics						0						DDBctv	7363
s. Mapping Chemical Exposures						0						DDBctv	7364
t. Association of Parental Occupation and Childhood Cancer						0						DDBctv	7365
u. Registration of Disease and Exposure Cohorts						0						DDBctv	7366
v. HEED File				0	0							DDBctv	7367
w. Survey of Chronic Diseases						0						DDBctv	7368
x. Information dissemination models						0						DDBctv	7369
y. Biohazards						0						DDBctv	7370
z. Tanning (Ind. Hyg.)						0						DDBctv	7371
aa. Carbon disulfide (Reproductive)						0						DDBctv	7372
bb. Spontaneous abortions						0						DDBctv	7373
cc. Wood die and Model Makers (Mort.)						0						DDBctv	7374
dd. Azo Dyes (Ind. Hyg.)						0						DDBctv	7375
ee. Material locator system						0						DDBctv	7376
ff. NOHS-RTECS						0						DDBctv	7377
gg. Employee Illness Reporting						0						DDBctv	7378
												DDBctv	7379
hh. Disability conditions							2					DDBctv	7380
												DDBctv	7381
ii. Composite Data BAse					3	6						DDBctv	7382
jj. Chronic trauma						0						DDBctv	7383
kk. Cooperative Exposure Survey						0						DDBctv	7384
ll. Health Hazard Evaluations & Technical Assistance			75	150	225	300						DDBctv	7385
												DDBctv	7386
.19 Criteria documentation, standards support and research grants.												DDBctv	7387
a. Evaluate and participate on research grants.			5	10	15	20						DDBctv	7388
												DDBctv	7389
b. Submit RFA's for research grants to OECSP.			1	2	3	4						DDBctv	7390
												DDBctv	7391
c. Complete input to criteria documents, CIB's, etc.			2	4	6	8						DDBctv	7392
												DDBctv	7393
d. Complete support to OSHA and MSHA for hearings, etc.			1	2	3	4						DDBctv	7394
												DDBctv	7395
e. Complete support and preparation for congressional hearings.			1	2	3	4						DDBctv	7396
												DDBctv	7397
.20 Complete final report and transmit abstract to Director, NIOSH and copy to DTS for the following late FY'80 reports.												DDBctv	7398
												DDBctv	7399
												DDBctv	7400
												DDBctv	7401

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES				
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
			\$1000	\$1000								
a. Case control study of plant in Charleston, W. Va.			o									DDBctv 7402
b. Mortality study of shipyard workers exposed to radiation.			o									DDBctv 7403
c. Mortality and industrial hygiene study of PCE workers.			o									DDBctv 7404
d. Medical study of brakelining workers.				o								DDBctv 7405
e. Case control study of reproductive outcomes.			o									DDBctv 7406
f. HIS - Phase II.			o									DDBctv 7407
g. SBR Industrial hygiene study.				o								DDBctv 7408
h. Phosphates industrial hygiene study.				o								DDBctv 7409
i. Clay fibers mortality study.				o								DDBctv 7410
j. Printing trades industrial hygiene study.				o								DDBctv 7411
k. Bunker Hill lead smelter study.				o								DDBctv 7412
l. Goldminers sputum cytology study.			o									DDBctv 7413
m. Pesticide applicator industrial hygiene study.			o									DDBctv 7414
n. Fibrous glass mortality study.						o						DDBctv 7415
												DDBctv 7416
												DDBctv 7417

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY I C	PLANNED COMPLETION				O C N G H D	P M F R E U PY	RESOURCES	
		1Q	2Q	3Q	4Q			NPF	TF
								\$1000	\$1000
DIVISION OF SAFETY RESEARCH									E 7420
6. Safety Division Management(Oppold 923-7595) (100/VLA-vbp-802)	77	C					v b a		E 7421
.1 Personnel evaluations									EEbpyv 7422
a. Completion of evaluations for 58 Civil Service personnel					o				EEbpyv 7423
b. Completion of evaluations for 16 Commissioned Officers.						o			EEbpyv 7424
.2 All hands briefing meetings			o	o	o	o			EEbpyv 7425
.3 Nominate appropriate staff for recognition at annual awards ceremony			o						EEbpyv 7426
.4 Safety Research Seminar									EEbpyv 7427
a. RFC sent to OAMS				o					EEbpyv 7428
b. Award contract (1Q82)									EEbpyv 7429
c. Conduct seminar (1Q82)									EEbpyv 7430
d. Distribute proceedings/transcripts of seminar (2Q82)									EEbpyv 7431
.5 Submit EEO report to NIOSH EEO Officer			o	o	o	o			EEbpyv 7432
.6 Receive final reports and submit reports to Director, NIOSH for 15 projects to be completed this year									EEbpyv 7433
a. Safety Surveillance Branch									EEbpyv 7434
(1) BLS Work Injury Reports on foot, eye, face and head injuries.						o			EEbpyv 7435
(2) NEISS system-report of trial program results				o					EEbpyv 7436
(3) Amputations study						o			EEbpyv 7437
b. Accident and Injury Epidemiology Branch									EEbpyv 7438
(1) Effectiveness of safety symbols in the workplace						o			EEbpyv 7439
(2) Controlling overexertion injuries through task design						o			EEbpyv 7440
(3) Assessment of musculoskeletal injury data						o			EEbpyv 7441
(4) Reliability of presence sensing devices					o				EEbpyv 7442
c. Standards and Consultation Branch									EEbpyv 7443
(1) Electrical/Mechanical lockout devices-criteria for standard recommendation (CSR) document			o						EEbpyv 7444
(2) Grain elevator and feed mills--CSR document						o			EEbpyv 7445
(3) Petroleum refinery maintenance--CSR document						o			EEbpyv 7446
(4) Effectiveness of OSHA construction standards--point of erection						o			EEbpyv 7447
(5) Safety information profiles					o				EEbpyv 7448
(6) Combustible and Flammable material						o			EEbpyv 7449
d. Testing and Certification Branch									EEbpyv 7450
(1) Certified Equipment List					o				EEbpyv 7451
(2) Industrial Sound Level Meter Sets--report of test results						o			EEbpyv 7452
.7 Spend non-personnel fund allocations (by Branch)(x1000)									EEbpyv 7453
a. Office of Director			49	120	196	251			EEbpyv 7454
b. Safety Surveillance Branch			250	479	511	546			EEbpyv 7455
									EEbpyv 7456
									EEbpyv 7457
									EEbpyv 7458
									EEbpyv 7459
									EEbpyv 7460
									EEbpyv 7461
									EEbpyv 7462
									EEbpyv 7463
									EEbpyv 7464
									EEbpyv 7465

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY I C	PLANNED COMPLETION				P M F R E U O C N G H D	PY	RESOURCES	
		1Q	2Q	3Q	4Q			NPF	TF
								\$1000	\$1000
c. Accident and Injury Epidemiology Branch		267	523	528	532			EEbpyv	7466
								EEbpyv	7467
								EEbpyv	7468
d. Standards and Consultation Branch		83	202	235	462			EEbpyv	7469
								EEbpyv	7470
e. Testing and Certification Branch		267	406	536	589			EEbpyv	7471
								EEbpyv	7472
								EEbpyv	7473
OFFICE OF EXTRAMURAL COORDINATION AND SPECIAL PROJECTS								F	7475
								F	7476
7. Office Management (Bridbord, 443-6437) (VCA-100-012) (0.5/0.0/0.013) (100/VCA-vXy-872)	81 C					v c a		FFXyNv	7478
								FFXyNv	7479
								FFXyNv	7480
.1 Personnel Evaluations								FFXyNv	7481
a. Completion of evaluations for 23 Civil Servants					o			FFXyNv	7482
b. Completion of evaluations for 3 Commissioned Officers					o			FFXyNv	7483
.2 Receive final progress reports for TA's and submit reports to Director, NIOSH on 26 completed and competitively renewed research grants			6	13	26			FFXyNv	7484
								FFXyNv	7485
.3 Number of publications appearing in scientific journals from NIOSH grant supported research		o	o	o	o			FFXyNv	7486
								FFXyNv	7487
.4 Receive final reports and submit abstracts to Director, NIOSH on 7 Special Foreign Currency Research Projects			4	5	7			FFXyNv	7488
								FFXyNv	7489
.5 Accumulated spending of non-personnel funds by organiza- tional unit and program by quarter for the Fiscal Year		o	o	o	o			FFXyNv	7490
								FFXyNv	7491
.6 Submit Quarterly EEO Report to NIOSH EEO Officer		o	o	o	o			FFXyNv	7492
								FFXyNv	7493
								FFXyNv	7494

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY I C	PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES				
		1Q	2Q	3Q	4Q	PY	NPF	TF	\$1000	\$1000			
DIVISION OF TRAINING AND MANPOWER DEVELOPMENT													
9. Program Management and Support, A. Stevens 684-8221 (100/VUA-vXy-762)	76	C					v	e	a			H	7529
.1 Provide overall administration of Division Program and Projects and submit progress reports quarterly to OPPE			o	o	o	o						HHXyyv	7530
.2 Direct, manage, and evaluate Division senior staff			o	o	o	o						HHXyyv	7531
.3 Represent DTMD in Institute Long-Range Planning Activities			o	o	o	o						HHXyyv	7532
.4 Provide consultation and technical support to Institute Programs and Office/Division/Regional Consultant Staff			o	o	o	o						HHXyyv	7533
.5 Maintain liaison and coordinate Division efforts with other government agencies (OSHA, MSHA, BOM, EPA, HRA, TVA); professional and educational institutions, and other Occupational Safety and Health organizations			o	o	o	o						HHXyyv	7534
.6 Hold all-hands Division staff meetings			1	2	3	4						HHXyyv	7535
.7 Submit Report of Activities for President's Annual Report						o						HHXyyv	7536
.8 Spend free fund allocations (k)												HHXyyv	7537
.a Office of the Director			5	15	30	730						HHXyyv	7538
.b Direct Training Branch			7	23	81	100						HHXyyv	7539
.c Curriculum Development Branch			100	200	500	535						HHXyyv	7540
.d Educational Resource Development Branch			5	14	200	235						HHXyyv	7541
.e Training Grants						13.2						HHXyyv	7542
.f Total Free Funds			117	352	811	14.7						HHXyyv	7543
												HHXyyv	7544
DIVISION OF TECHNICAL SERVICES													
10. Division Management, R. Lemen, 684-8302 (VSA-320-712)(4.8/25.6/151.6)(100/VSA-vyy-712)	77	C					v	c	a			I	7555
.1 Personnel evaluations												I	7556
a. Completion of evaluations for Civil Servants					o							IIyyyy	7558
b. Completion of evaluations for Commissioned Officers			o									IIyyyy	7559
.2 Hold all-hands briefing			o	o		o						IIyyyy	7560
.3 Submit Quarterly EEO Report to EEO Officer			o	o	o	o						IIyyyy	7561
.4 Nominate appropriate staff for annual awards			o									IIyyyy	7562
.5 Receive final report and submit report to Director, NIOSH for revised SPRG Guideline to be completed this year.						o						IIyyyy	7563
						o						IIyyyy	7564
												IIyyyy	7565
												IIyyyy	7566
												IIyyyy	7567
												IIyyyy	7568
												IIyyyy	7569

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F R E U O C N			RESOURCES					
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF	
											\$1000	\$1000	
OFFICE OF ADMINISTRATIVE AND MANAGEMENT SERVICES													
11. Office of the Director, OAMS (R. Coene, 443-1697) (VGA-vXX-033)(100/VGA-vXX-033)	81	81					v	c	a				
.1 Conduct project progress reviews of each OAMS Project at least once each Quarter and manage with planned budget limitations.			o	o	o	o					J	7572	
.2 Develop annual merit pay plans			o								J	7573	
.3 Review progress on merit pay plans			o	o	o	o					JJXXXv	7574	
.4 Develop program and project plans for the next fiscal year in compliance with NIOSH planning guidance					o						JJXXXv	7575	
											JJXXXv	7576	
											JJXXXv	7577	
											JJXXXv	7578	
											JJXXXv	7579	
											JJXXXv	7580	
											JJXXXv	7581	
											JJXXXv	7582	
											JJXXXv	7583	
											JJXXXv	7584	
											JJXXXv	7585	
12. Administrative Services Branch-Rockville (M.Cramer,443-1646) (VGC-vXX-042)(100/VGC-vXX-042)(VGC-vXX-052) (100/VGC-vXX-052)	81	81					v	c	a				
.1 Prepare a NIOSH orientation handbook for new employees and implement its use in Rockville											JaXXXv	7588	
a. Prepare orientation handbook				o							JaXXXv	7589	
b. Implement use of handbook					o						JaXXXv	7590	
											JaXXXv	7591	
											JaXXXv	7592	
											JaXXXv	7593	
											JaXXXv	7594	
											JaXXXv	7595	
											JaXXXv	7596	
13. Administrative Services Branch-Cincinnati (A. Hollmeyer, 684-8236) (VGD-vXX-043)(100-VGD-vXX-043)(VGD-vXX-053) (100/VGD-vXX-053)	81	81					v	c	a				
.1 Consolidate Cincinnati operations into two facilities										o		JaXXXv	7599
.2 Complete carcinogen lab suite at Ridge										o		JaXXXv	7600
.3 Implement CDC's hazardous waste disposal Plan										o		JaXXXv	7601
												JaXXXv	7602
												JaXXXv	7603
												JaXXXv	7604
												JaXXXv	7605
												JaXXXv	7606
												JaXXXv	7607
												JaXXXv	7608
												JaXXXv	7609

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	R E U			PY	NPF	TF
							O	C	N			
							G	H	D	\$1000	\$1000	
14. Administrative Services Branch-Morgantown (C.Dalton, 923-7126) (VGB-vXX-054)(100/VGB-vXX-054)(VGB-vXX-055) (100/VGB-vXX-055)(VGB-vXX-056)(100/VGB-vXX-056) (VGB-vXX-057)(100/VGB-vXX-057)(VGB-vXX-058) (100/VGB-vXX-058)	81	81					v	c	a			
.1 In conjunction with ALOSH Safety Committee initiate and implement a medical surveillance exam program for employees				o						JaXXXv	7612	
.2 Implement CDC hazardous waste disposal Plan				o		o				JaXXXv	7613	
.3 Install new security locks to comply with sensitive data regulations			o							JaXXXv	7614	
										JaXXXv	7615	
										JaXXXv	7616	
										JaXXXv	7617	
										JaXXXv	7618	
										JaXXXv	7619	
										JaXXXv	7620	
										JaXXXv	7621	
										JaXXXv	7622	
										JaXXXv	7623	
										JaXXXv	7624	
										JaXXXv	7625	
15. Financial Management Branch-Rockville (D.Boyd,443-1518) (VGE-vXX-036)(100/VGE-vXX-035)(VGE-vXX-035) (100/VGE-vXX-036)	81	81					v	c	a			
.1 Study current internal financial management procedures for monitoring RFC's, contracts, and IA's and revise procedures in a more effective manner				o						JbXXXv	7628	
.2 Together with MSB, PCC and all NIOSH O/D Directors, analyze existing automated commitment register reports, deleting unused reports and developing more meaningful and useful information.					o					JbXXXv	7629	
										JbXXXv	7630	
										JbXXXv	7631	
										JbXXXv	7632	
										JbXXXv	7633	
										JbXXXv	7634	
										JbXXXv	7635	
										JbXXXv	7636	
										JbXXXv	7637	
										JbXXXv	7638	
										JbXXXv	7639	
										JbXXXv	7640	
16. Financial Management Branch-Cincinnati R. Scheve, 684-8277 (VGE-vXX-037)(100/VGE-vXX-037)	81	81					v	c	a			
.1 Conduct a system review of the accounting and fiscal office procedures to determine necessary improvements				o						JbXXXv	7643	
a. Diagram work flow										JbXXXv	7644	
b. Analyze accounting unit					o					JbXXXv	7645	
c. Analyze voucher unit					o					JbXXXv	7646	
d. Analyze other misc. functions						o				JbXXXv	7647	
e. Develop conclusions and implement changes							o			JbXXXv	7648	
										JbXXXv	7649	
										JbXXXv	7650	
										JbXXXv	7651	
										JbXXXv	7652	
										JbXXXv	7653	
										JbXXXv	7654	
										JbXXXv	7655	

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY		PLANNED COMPLETION				P M F R E U O C N			RESOURCES		
	I	C	1Q	2Q	3Q	4Q	G	H	D	PY	NPF	TF
											\$1000	\$1000
17. Management Systems Branch (P.Bengtson,443-3227) (VGP-vXX-044)(100/VGP-vXX-044)(VGP-vXX-049) (100/VGP-vXX-049)(VGPvXX-050)(100/VGP-vXX-050) (VGP-vXX-048)(100/VGP-vXX-048)	81	81					v	c	a			
.1 Complete Phase I of WANG implementation (install hardware, train, and phase-in)				o							JcXXXv	7658
.2 Complete security program implementation					o						JcXXXv	7659
.3 Complete report on ADP hardware/software standardization							o				JcXXXv	7660
											JcXXXv	7661
											JcXXXv	7662
											JcXXXv	7663
											JcXXXv	7664
											JcXXXv	7665
											JcXXXv	7666
											JcXXXv	7667
											JcXXXv	7668
18. Procurement, Grants & Property Management (M. Stitely, 443-3440) (VGJ-vXX-039)(100/VGJ-vXX-039) (VGJ-vXX-060)(100/VGJ-vXX-060)	81	81					v	c	a			
.1 Conduct major contractor management reviews of medical services contractors to evaluate technical business activities and to assess the use of Basic Ordering Agreement instrument for delivery of HHE support. (2 contractors per trip - total 4)				o							JdXXXv	7671
.2 Conduct "Procurement Training Seminars" for technical staff in each location on following topics: Contract cycle, justification for non-competitive procurement, technical evaluations, etc.				o	o						JdXXXv	7672
.3 Post-Award monitoring and review sessions with each of six cooperative agreement awardees for delivery of HHE support and surveillance.				o	o						JdXXXv	7673
.4 Conduct and reconcile property inventories for each location											JdXXXv	7674
a. Cincinnati (conduct and reconcile)						o		o			JdXXXv	7675
b. Morgantown (conduct and reconcile)						o		o			JdXXXv	7676
c. Rockville (conduct and reconcile)						o		o			JdXXXv	7677
											JdXXXv	7678
											JdXXXv	7679
											JdXXXv	7680
											JdXXXv	7681
											JdXXXv	7682
											JdXXXv	7683
											JdXXXv	7684
											JdXXXv	7685
											JdXXXv	7686
											JdXXXv	7687
											JdXXXv	7688
											JdXXXv	7689
											JdXXXv	7690
											JdXXXv	7691
											JdXXXv	7692
											JdXXXv	7693

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F			RESOURCES			
	I	C	1Q	2Q	3Q	4Q	O	C	N	NPF	TF
			G	H	D	PY	\$1000	\$1000			
19. TAPS (D.Boyd, 443-1518) (VGE-vXX-038)(100/VGE-vXX-038) (VGE-vXX-032)(100/VGE-vXX-032)	81	81					v	c	a		
			96	193	289	385				JbXXXv	7696
.1 SSF Postage Pro-Rate			19	37	56	75				JbXXXv	7697
.2 GSA Telephone Basic Equipment			45	90	135	180				JbXXXv	7698
.3 SSF Parklawn Common Services			50	100	150	200				JbXXXv	7699
.4 FTS Pro-Rate			19	37	56	75				JbXXXv	7700
.5 SSF Commissioned Officer's Personnel			159	318	476	635				JbXXXv	7701
.6 CDC Overhead Basic Rate			7	13	20	26				JbXXXv	7702
.7 Parklawn procurement			5	10	15	20				JbXXXv	7703
.8 PHS Claims Office			0	195	195	195				JbXXXv	7704
.9 Committee to coordinate toxicology			30	60	90	120				JbXXXv	7705
.10 DOL Employee Compensation Fund					16	16				JbXXXv	7706
.11 OASH Data Management Services			10	10	10	10				JbXXXv	7707
.12 SSF Printing and Reproduction			10	10	10	10				JbXXXv	7708
.13 SSF Central Personnel Services			47	47	47	47				JbXXXv	7709
.14 Office of International Health Bilateral			52	104	154	206				JbXXXv	7710
.15 Unidentified TAPS			549	1.2m	1.9m	2.2m				JbXXXv	7711
TOTAL										JbXXXv	7712
20. Internal Safety Management (J. Dixon, 684-8391) (VGA-vXX-034)(100/VGA-vXX-034)	81	81					v	c	a		
			60	120	180	240				JJXXXv	7713
.1 Hazardous Physical Exams			36	72	111	150				JJXXXv	7714
a. Cincinnati			0	0	0	10				JJXXXv	7715
b. Morgantown			0							JJXXXv	7716
c. Rockville			0							JJXXXv	7717
.2 Fire Drills in all Locations			40	80	120	150				JJXXXv	7718
.3 VDT Eye Exams			0	0	50	50				JJXXXv	7719
a. Cincinnati			0	50	100	100				JJXXXv	7720
b. Morgantown										JJXXXv	7721
c. Rockville										JJXXXv	7722

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY PLANNED COMPLETION				P M F			RESOURCES	
	FY		1Q	2Q	3Q	4Q	O C N	NPF	TF
	I	C					G H D	PY	\$1000 \$1000
OFFICE OF THE DIRECTOR									K 7734
21. Institute Policy (A.Robbins, 443-1530)	81	81					v c a		K 7735
(VAA-vXX-003)(100/VAA-vXX-003)(VAA-vXX-002)									KKXXXv 7736
(100/VAA-vXX-002)(VAA-aXk-010)(100/VAA-aXk-010)									KKXXXv 7737
(VAA-vXX-006)(100/VAA-vXX-006)(VAA-aBd-009)									KKXXXv 7738
(100/VAA-aBd-009)(VAA-vXX-012)(100/VAA-vXX-012)									KKXXXv 7739
.1 Conduct program progress reviews			o	o	o	o			KKXXXv 7740
.2 Select long-term trainees			o						KKXXXv 7741
.3 Brief CDC for OMB hearings				o					KKXXXv 7742
.4 Allocate FY81 resources						o			KKXXXv 7743
.5 Policy meeting with OSHA			o	o	o	o			KKXXXv 7744
.6 Policy meeting with MSHA			o	o	o	o			KKXXXv 7745
.7 Policy meeting with Bur. of Mines			o						KKXXXv 7746
.8 Policy meeting with EPA				o					KKXXXv 7747
.9 Policy meeting with CPSC					o				KKXXXv 7748
.10 Policy meeting with NCI				o		o			KKXXXv 7749
.11 Policy meeting with NIEHS				o		o			KKXXXv 7750
.12 Policy meeting with NTP			o	o	o	o			KKXXXv 7751
.13 Meet with outside organizations such as labor, industry, public health professions, etc.			o	o	o	o			KKXXXv 7752
.14 Distribute status report on regulations			o	o	o	o			KKXXXv 7753
.15 Nominate staff for awards						o			KKXXXv 7754
.16 Complete 25 CS evaluations; complete 16 CO evaluations						o			KKXXXv 7755
22. Equal Employment Opportunity (M.Bell, 443-3744)	81	81					v c a		KKXXXv 7756
(VAA-vXX-004)(100/VAA-vXX-004)									KKXXXv 7760
.1 Develop and assist in implementation of NIOSH Affirmative Action Plan and the Secretary's OMS initiatives			o	o	o	o			KKXXXv 7761
23. Labor Liaison Activities (D. Dobbin)	81	81					v c a		KKXXXv 7762
(VAA-vXX-006)									KKXXXv 7763
.1 Prepare Facilities Plan			o						KKXXXv 7764
.2 Complete Space Utilization for Ridge			o						KKXXXv 7765
.3 Purchase Ridge				o					KKXXXv 7766
.4 Complete Design of New ALOSH Facility					o				KKXXXv 7767
24. Facilities Planning and Engineering Services (J. Coble)	81	81					v c a		KKXXXv 7768
(VAA-vXX-012)(100/VAA-vXX-012)									KKXXXv 7769
.1 Prepare Facilities Plan			o						KKXXXv 7770
.2 Complete Space Utilization for Ridge			o						KKXXXv 7771
.3 Purchase Ridge				o					KKXXXv 7772
.4 Complete Design of New ALOSH Facility					o				KKXXXv 7773
									KKXXXv 7774
									KKXXXv 7775
									KKXXXv 7776
									KKXXXv 7777
									KKXXXv 7778
									KKXXXv 7779
									KKXXXv 7780
									KKXXXv 7781
									KKXXXv 7782
									KKXXXv 7783
									KKXXXv 7784

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY I C	PLANNED COMPLETION				P M F R E U O C N G H D	PY	RESOURCES	
		1Q	2Q	3Q	4Q			NPF	TF
								\$1000	\$1000
OFFICE OF PROGRAM PLANNING AND EVALUATION								L	7787
								L	7788
25. Office Management OPPE, M. Myers 443-4364 (100/VEA-vXy-025)	80	C				v c a		LLXyyv	7789
								LLXyyv	7790
.1 Conduct Office all-hands meetings			9	18	27	36		LLXyyv	7791
.2 Conduct Program Analysts meetings			12	24	36	48		LLXyyv	7792
.3 Conduct Branch Chief meetings			12	24	36	48		LLXyyv	7793
.4 Prepare agenda for NIOSH conference calls			12	24	36	48		LLXyyv	7794
.5 Review training plans for office employees				o				LLXyyv	7795
.6 Review progress towards EEO goals				o		o		LLXyyv	7796
.7 Conduct Office safety meeting			1	2	3	4		LLXyyv	7797
.8 Complete Commissioned Officer Evaluations			o					LLXyyv	7798
.9 Complete Merit Pay evaluations				o	o	o		LLXyyv	7799
.10 Complete Civil Service evaluations					o			LLXyyv	7800
.11 Accumulated Spending of Non-personnel funds by Branch			37	71	205	260		LLXyyv	7801
a. Office Management			15	25	36	46		LLXyyv	7802
b. Planning and Program Development			8	15	117	132		LLXyyv	7803
c. Evaluation and Control			13	19	25	30		LLXyyv	7804
d. Policy Analysis			1	12	27	52		LLXyyv	7805
.12 Accumulated Use of Full-Time Equivalents			6.0	12.0	18.0	24.2		LLXyyv	7806
								LLXyyv	7807
								LLXyyv	7808

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	I	C	PLANNED COMPLETION				P M F			RESOURCES			
				1Q	2Q	3Q	4Q	O	C	N	NPF	TF		
				G	H	D	PY	\$1000	\$1000					
26. Planning, S. Fishman 443-6467 (100/VEA-100-022)	71		C					v	c	a			LaXyyv	7811
													LaXyyv	7812
													LaXyyv	7813
.1 Develop program material to brief CDC for OMB hearings on FY81													LaXyyv	7814
.2 Prepare regulatory analyses for new regulations including personal protective equipment regulations													LaXyyv	7815
.21 Award contract													LaXyyv	7816
.22 Receive final report (2Q82)													LaXyyv	7817
.23 Prepare initial regulatory analysis of proposed regulations (3Q82)													LaXyyv	7818
.3 Develop FY 1982 Program Plan													LaXyyv	7819
.31 Develop FY 1982 guidance for the Institute													LaXyyv	7820
.32 Analyze continuing projects meeting needs outlined in FY 1982 NPG													LaXyyv	7821
.33 Analyze initial submissions from Divisions													LaXyyv	7822
.34 Develop final decisions on all projects for FY 1982													LaXyyv	7823
.35 Publish FY 1982 Program Plan (1Q82)													LaXyyv	7824
.4 Develop FY 1983 budget													LaXyyv	7825
.41 Develop candidate list of enhancement packages working with Divisions													LaXyyv	7826
.42 Complete ZBB submission to CDC													LaXyyv	7827
.43 Revise ZBB and prepare any required papers for clearance by PHS, and HHS													LaXyyv	7828
.44 Prepare OMB briefing book with OAMS (1Q82)													LaXyyv	7829
.5 Complete special projects for the Director, NIOSH				3	6	9	12						LaXyyv	7830
.6 Publish FY 1981 Program Plan				o									LaXyyv	7831
.7 Update instructions for planning system													LaXyyv	7832
													LaXyyv	7833
													LaXyyv	7834
													LaXyyv	7835
													LaXyyv	7836
													LaXyyv	7837
													LaXyyv	7838
													LaXyyv	7839
													LaXyyv	7840

PROJECT OBJECTIVE DESCRIPTION - MILESTONES - PROJECT OFFICER	FY	PLANNED COMPLETION				P M F R E U O C N G H D			RESOURCES	
		I	C	1Q	2Q	3Q	4Q	PY	NPF	TF
									\$1000	\$1000
conjunction with CDC)					o	o			LbXyyv	7889
.9 OMS tracking of HHE program milestones									LbXyyv	7890
a. Submit monthly reports to ASPE			2	4	6	8			LbXyyv	7891
b. Submit quarterly reports to ASPE			1	2	3	4			LbXyyv	7892
c. Complete FY '82 planning, targets action steps						o			LbXyyv	7893
d. Prepare materials for OMS meetings				1		2			LbXyyv	7894
e. Respond to requests for information from CDC/PHS/ASMB			3	6	9	12			LbXyyv	7895
									LbXyyv	7896
28. Policy Analysis, R. Dobbin 443-6477 (100/VEA-vXy-024)	80	C						v c a	LcXyyv	7899
									LcXyyv	7900
.1 Assess design opportunities in the recapitalization of the Iron and Steel Industry									LcXyyv	7901
a. complete protocol					o				LcXyyv	7902
b. complete program recommendations						o			LcXyyv	7903
c. complete study 2Q82									LcXyyv	7904
.2 Develop prevention policy and goals									LcXyyv	7905
a. complete report on prevention objectives and policy goals					o				LcXyyv	7906
b. complete prevention options for Secretary					o				LcXyyv	7907
.3 Complete industry profiles									LcXyyv	7908
a. complete protocol			o						LcXyyv	7909
b. complete report							o		LcXyyv	7910
.4 Development of international policy									LcXyyv	7911
a. award contract									LcXyyv	7912
b. initiate Task 1									LcXyyv	7913
c. complete Task 1 (1Q82)									LcXyyv	7914
.5 Development of Policy for worker H & S									LcXyyv	7915
a. award contract									LcXyyv	7916
b. initiate Task 1					o				LcXyyv	7917
c. complete Task 1 (1Q82)					o				LcXyyv	7918
.6 Develop specifications for prediction modeling									LcXyyv	7919
a. award contract					o				LcXyyv	7920
b. initiate Task 1					o				LcXyyv	7921
c. complete Task 1 (1Q82)									LcXyyv	7922
.7 Investigate health and safety factors in plant closings									LcXyyv	7923
a. submit RFC									LcXyyv	7924
b. award contract									LcXyyv	7925
c. complete study (4Q82)						o			LcXyyv	7926
									LcXyyv	7927
									LcXyyv	7928
									LcXyyv	7929
									LcXyyv	7930
									LcXyyv	7931
									LcXyyv	7932
									LcXyyv	7933
									LcXyyv	7934
									LcXyyv	7935