



PD-AAT-193

ISN 44702

WASH Operations Center
1611 N. Kent St., Room 1002
Arlington, Virginia 22209 USA

**WATER AND SANITATION
FOR HEALTH PROJECT**

Operated by CDM Associates

sponsored by the U.S. Agency
for International Development

Telephone (703) 243-8200
Telex No. WUI 64552
Cable Address: WASHAID

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15 May 1985

936-5912

John H. Austin
WASH Cognizant Technical Officer
S&T/H/WS
702-C, SA-18

Re: DPE-5942-C-00-4085-00

Dear Dr. Austin:

Attached please find a copy of the Semi-Annual Report required by AIDAR Provision No. 752.7026 in Section B.1 of the WASH II Contract. This is a substantive and administrative status reporting of the WASH II Project during its first 6-month period through March 30, 1985.

Sincerely,

Leo A. St. Michel
WASH Project Director

cc: Judith Johnson, SER/CM/COD/PE
Maury Brown, PPC/DIU-3

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WASH II SEMI-ANNUAL REPORT
ACTIVITY STATUS AS OF
MARCH 30, 1985

ACTIVITY DESCRIPTION	TYPE		COST		PERCENT COMPLETE
	I/HRD	T/A	INFO APPROVED	TO-DATE	
** BUREAU AFRICA					
111 SUDAN: TRAINING OF TRAINERS & LATRINE CONSTRUCTION WORKSHOP	25%	75%	42300	1482	3.5
114 ZAIRE: NATIONAL RURAL WATER AND SANITATION	100%		59000	30139	51.1
122 CAMEROON: DEV. EVALUATION PLAN FOR CARE NO. WELLS PROJECT	100%		13762	5182	37.7
125 AFRICA BUREAU: WASH INITIATIVES	50%	50%	20000	1054	5.3
134 CHAD: EMERGENCY HEALTH ASSESSMENT	100%		16700	15100	90.4
144 BOTSWANA: ECO. COMP. OF LATRINE VS. WATERBORNE SEWER SYSTEMS	100%		23100	1689	7.3
145 LESOTHO: RWS&S PROJECT EVALUATIONS	100%		7200	6543	90.9
150 BENIN: RURAL WATER PROJECT REDESIGN	100%		19200	2977	15.5
** Subtotal **			201262	64166	

WASH II SEMI-ANNUAL REPORT
ACTIVITY STATUS AS OF
MARCH 30, 1985

ACTIVITY DESCRIPTION	TYPE		COST		PERCENT COMPLETE
	I/HRD	T/A	APPROVED	TO-DATE	
** BUREAU ASIA					
126 ASIA BUREAU: WASH INITIATIVES	50%		20000	98	0.5
141 ASSISTANCE IN DEVELOPING RATIONALE FOR INCLUDING WS&S IN PHC	80%		24142	129	0.5
151 SRI-LANKA PRE-IMPLEMENTATION WORKSHOP		100%	26065	264	1.0
** Subtotal **			70207	491	

WASH II SEMI-ANNUAL REPORT
ACTIVITY STATUS AS OF
MARCH 30, 1985

ACTIVITY DESCRIPTION	TYPE			COST		PERCENT COMPLETE
	I/HRD	T/A	INFO	APPROVED	TO-DATE	
** BUREAU LAC						
104 BOLIVIA: SIMPLE LOW-COST WATER SAN. MEASURES FOR RURAL PROGS	80%	10%	10%	14307	8601	60.1
106 DOMINICAN REPUBLIC: EVALUATION OF MODIFIED AID TYPE HANDPUMP	80%	10%	10%	31000	31120	100.4
113 BELIZE: PREPARATION OF PROJECT PAPER	80%	20%		9601	8923	92.9
117 BELIZE BASELINE SURVEY FOR CARE	100%			29100	9033	31.0
127 LAC BUREAU: WASH INITIATIVES	50%		50%	20000	268	1.3
136 DOMINICAN REPUBLIC: DEV. OF STEEL HANDPUMP FOR RWS PROGRAM	100%			35000	4400	12.6
137 HONDURAS: TA IN WELL DRILLING FOR NGO PROGRAM	75%	25%		11200	276	2.5
** Subtotal **				150208	62621	

WASH II SEMI-ANNUAL REPORT
ACTIVITY STATUS AS OF
MARCH 30, 1985

ACTIVITY DESCRIPTION	TYPE		COST		PERCENT COMPLETE
	I/HRD	T/A	APPROVED	TO-DATE	
** BUREAU NE					
108 BVS OVERSEAS TRAINING		100%	33000	35088	106.3
110 TUNISIA: SITE SESSION FOR HOUSING GUARANTEED PROJECTS	100%		41000	25790	62.9
118 EGYPT: WATER/WASTEWATER PROGRAM ASSESSMENT	50%	50%	122154	106595	87.3
128 NEAR EAST BUREAU: WASH INITIATIVES	50%		20000	1417	7.1
130 NEAR EAST WATER/WASTEWATER WORKSHOP	50%	50%	71526	21917	30.6
132 OMAN: CAPITAL REGION WATER RESOURCES PROJECT	100%		138000	81672	59.2
153 TUNISIA: AMEND TO DRINK'G WATER S'PROJECT OF C. TUNISIA RDP	100%		55271	189	0.3
** Subtotal **			480951	272668	

WASH II SEMI-ANNUAL REPORT
ACTIVITY STATUS AS OF
MARCH 30, 1985

ACTIVITY DESCRIPTION	TYPE			COST		PERCENT COMPLETE
	I/HRD	T/A	INFO	APPROVED	TO-DATE	
** BUREAU OF DA						
112 ETHIOPIA: TECHNICAL ASSISTANCE TO OFDA EFFORTS	80%	10%	10%	66800	30387	45.5
121 ETHIOPIA: ASSISTANCE TO OFDA DROUGHT RELIEF EFFORTS	90%		10%	15900	3787	23.8
131 ETHIOPIA: TA TO OFDA DROUGHT RELIEF - PHASE III	100%			82700	46463	56.2
143 BURKINA FASO: EMER. ASSISTANCE TO WS SECTOR IN OUAGADOUGBU	100%			41600	25704	61.8
147 DEVELOPING WS STRATEGY FOR DROUGHT AFFECTED AREAS IN AFRICA	50%		50%	9313	2187	23.5
** Subtotal **				216313	108528	

WASH II SEMI-ANNUAL REPORT
ACTIVITY STATUS AS OF
MARCH 30, 1985

ACTIVITY DESCRIPTION	TYPE			COST		PERCENT COMPLETE
	I/HRD	T/A	INFO	APPROVED	TO-DATE	
** BUREAU S & T						
101 1ST ANNUAL WORK PLAN	34%	33%	33%	88000	82082	93.3
102 ADMINISTRATIVE START UP	34%	33%	33%	125000	123947	99.2
103 TECHNICAL START UP			100%	119000	102804	86.4
105 VISIT TO IDRC & UNICEF		100%		3570	1567	43.9
107 CHILE: COORDINATING WORKING GROUPS WITH PAHO SYMPOSIUM		100%		11500	7238	62.9
109 DEVELOPING SCOPE FOR GUIDELINES FOR ASSISTING INSTITUTIONS		100%		13000	10659	82.0
115 DEVELOPMENT OF TEAM PLANNING MODEL		100%		20763	6266	30.2
116 DEVELOPMENT OF TRAINING GUIDE ON WELL IMPROVEMENT		100%		63630	4252	6.7
119 GENERAL ADMINISTRATION	34%	33%	33%	597000	130226	21.8
120 GENERAL TECHNICAL MANAGEMENT	33%	34%	33%	194000	58524	30.2
123 PRELIMINARY ACTIVITY DEVELOPMENT	33%	34%	33%	170000	40289	23.7
124 DEVELOPMENT OF TRAINING GUIDE ON COMMUNITY PARTICIPATION		100%		47891	17247	36.0
129 PROVISION OF INFO SERVS TO AID & AID-RELATED ORGANIZATIONS			100%	154000	29673	19.3
133 CARE: AFRICA FIELD STAFF TRAINING WORKSHOP	25%	75%		31200	2402	7.7
135 PREPARE NEW WASH BROCHURE			100%	8843	3429	38.8
138 SANITARY SURVEY MANUAL FOR VILLAGE WORKERS	75%		25%	30290	695	2.3

WASH II SEMI-ANNUAL REPORT
ACTIVITY STATUS AS OF
MARCH 30, 1985

ACTIVITY DESCRIPTION	TYPE			COST		PERCENT COMPLETE
	I/HRD	T/A	INFO	APPROVED	TO-DATE	
139 ASSISTANCE TO CARE FOR WS&S GUIDELINES	70%		30%	31332	3996	12.8
140 TARGETING RURAL WS&S PROGRAMS/GUINEA WORM ENDEMIC AREAS	70%	20%	10%	16878	552	3.3
142 ISSUES PAPER ON WS&S IN RELATION TO ORT	50%		50%	6007	675	11.2
146 DEV. OF GUIDELINES FOR ASSESSING INSTITUTIONAL EFFECTIVENESS		100%		66202	10052	15.2
148 COLLAB. WITH NON-AID WS&S RELATED ORG'S. IN U.S. & OVERSEAS	25%	25%	50%	27000	3383	12.5
149 PROJECT ASSESSMENT FOR OPERATIONS AND MAINTENANCE	80%	20%		38000	1867	4.9
152 PLANNING FOR COMMUNITY WATER SUPPLY IN DEVELOPING COUNTRIES		100%		38500	1085	2.8
154 REDUCING WATER LOSSES IN SMALL URBAN AND RURAL SYSTEMS	80%	20%		28400	122	0.4
155 WASH STAFF CONFERENCE PARTICIPATION	60%	20%	20%	17900	1203	6.7
** Subtotal **				1947906	644235	
*** Total ***				3066847	1152709	

05/15/85

WASH FY 85 Annual Plan Quarterly Update
March 31, 1985

The March 31, 1985 update of the WASH Annual Plan is divided into four parts plus an appendix of 19 new activity sheets developed since the Annual Work Plan was submitted on December 14, 1984.

The completed Activities include the three initial WASH start-up authorizations, ten completed and two cancelled Activities. The work in hand are the 40 authorized Activities for which WASH presently has staff and/or consultants carrying out assignments. The Signed Activity Sheets indicate those Activities which are presently being planned and for which scopes of work are being developed. The Unsigned Activity Sheets indicate those potential assignments which could be undertaken but for various reasons have not been undertaken at this time.

The summary of the work and costs are the following:

Summary of WASH FY 85 Work + Costs

<u>Parts</u>	<u>Number of Tasks</u>	<u>Estimated Total Cost</u>
I. Completed Activities	15	\$ 523,100
II. Work in Hand	40	2,469,700
III. Signed Activity Sheets	<u>12</u>	<u>382,750</u>
Total Work Authorized	67	\$3,375,550
Funds remaining for future work		<u>49,517</u>
Total Costs - FY 85		\$3,425,067

05/15/85

I. Completed Activities*

There have been 15 activities completed since the 1985 Annual Work Plan was submitted to AID on December 14, 1984. Three of these activities, RM 101, 102, and 103 covered the WASH II start-up costs of general administration, technical management and the annual work plan. Ten activities were carried out and the work completed. One activity for Lesotho was cancelled at the request of the mission and another activity for Sudan was postponed by the mission and later cancelled. The total estimated cost for these 15 activities is \$523,100.

<u>AID Number</u>	<u>Activity Code</u>	<u>Activity</u>	<u>Estimated Total Cost</u>
RM 101	2.1.1	Annual Plan	\$ 88,000
RM 102	2.1.2	General Administration Start-up - Oct 1	125,000
RM 103	2.1.3	Technical Management Start-up - Oct 1	119,000
RM 104	2.1.4	Bolivia: Examination of Simple Solutions for RWSS Programs	14,300
RM 105	2.1.5	Visit to IDRC and UNICEF	3,600
RM 106	2.1.6	DR: Evaluation of Steel Handpump in DR	31,000
RM 107	2.1.7	PAHO: Symposium in Chile	11,500
RM 108	2.1.8	Egypt: BVS Workshop	35,000
RM 109	2.1.9	Institutional Effectiveness - Scope of Work	13,000
RM 111	2.1.11	Sudan: Training of Trainers - Cancelled	2,000
RM 112	2.1.12	Ethiopia: OFDA Assistance Phase I	38,000
RM 113	2.1.13	Belize: Assist in PP	10,000
ACT 121	85-6	Ethiopia: Phase II	15,000
ACT 134	85-11	Chad: Emergency Health Assessment	16,700
ACT 145	85-18	Lesotho: Evaluation - Cancelled	<u>1,000</u>
Total Costs			\$523,100

* All work has been completed, all bills for work may not have been paid.

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II. Work in Hand

As of March 31, 1985 the WASH Project has 40 active activities in various stages of completion. The total estimated costs for these activities is \$2,469,700.

<u>AIP Number</u>	<u>Activity Code</u>	<u>Activity</u>	<u>Estimated Costs</u>
RM 110	2.1.10	Tunisia: Site Selection	\$ 41,000
RM 114	2.1.14	Zaire: National RWS Planning	59,000
ACT 115	5.2.2.1	Team Planning Field Development	20,700
ACT 116	5.2.2.6	Well Improvement Training Guides	63,600
ACT 117	3.1.11	Belize: Baseline Survey for CARE	29,100
ACT 118	3.1.6	Egypt: Water/Wastewater Program Assessment	141,000
ACT 119	2.2.3	General Administration	597,000
ACT 120	2.2.1	Technical Management	194,000
ACT 122	3.1.10	Cameroon: CARE Wells Project Evaluation	13,800
ACT 123	2.2.2	Preliminary Activity Development	170,000
ACT 124	5.2.2.2	Development of Training Guide on Community Participation	48,000
ACT 125	5.1.1.1	Africa Bureau: WASH Initiatives	20,000
ACT 126	5.1.1.2	Asia Bureau: WASH Initiatives	20,000
ACT 127	5.1.1.3	LAC Bureau: WASH Initiatives	20,000
ACT 128	5.1.1.4	Near East Bureau: WASH Initiatives	20,000
ACT 129	2.2.4	Provision of Information Services to AID and AID-Related Organizations	154,000
ACT 130	85-1	Near East Water/Wastewater Workshop	71,500
ACT 131	85-9	Ethiopia: TA to OFDA Drought Relief - Phase III	82,000
ACT 132	3.1.18	Oman: Capital Region Water Resources Project	138,000
ACT 133	3.2.1	CARE: Africa Field Staff Training Workshop	31,200
ACT 135	5.2.3.2	Prepare New WASH Brochure	9,000
ACT 136	85-3	DR: Development of Steel Handpump for RWS Program	35,000
ACT 137	85-4	Honduras: TA in Well Drilling for NGO Program	11,200
ACT 138	5.2.1.3	Sanitary Survey Manual for Village Workers	30,300
ACT 139	3.2.1	Assistance to CARE for WS&S Guidelines	31,400
ACT 140	5.3.2	Targeting Rural Water Supply & Sanitation Programs/Guinea Worm Endemic Areas	16,900
ACT 141	3.1.4	Asia Bureau: Assistance in Developing Rationale for Including WS&S in PHC	24,100
ACT 142	85-14	Issues Paper on WS&S in Relation to ORT	6,000
ACT 143	85-5	Burkina Faso: Emergency Assistance to WS Sector in Ouagadougou	41,600
ACT 144	85-10	Botswana: Economic Comparison of Latrines vs. Waterborne Sewer Systems	24,000
ACT 146	5.3.3	Developing Guidelines for Assessing Institutional Effectiveness	66,000
ACT 147	5.2.4.4	Developing WS Strategy for Drought Affected Areas in Africa	9,300
ACT 148	5.1.2.1	Collaboration with Non-AID WS&S Organizations in U.S. and Overseas	27,000

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<u>AIP Number</u>	<u>Activity Code</u>	<u>Activity</u>	<u>Estimated Costs</u>
ACT 149	85-17	Project Assessment for Operations and Maintenance	18,000
ACT 150	85-19	Benin: Rural Water Project Redesign	19,200
ACT 151	85-7	Sri Lanka: Pre Implementation Workshop	27,000
ACT 152	5.2.1.1	Planning for Community Water Supply in Developing Countries - Workshop - AWWA	38,500
ACT 153	3.1.8	Tunisia: PP Amendment	55,000
ACT 154	5.2.1.5	Reducing Water Losses in Small Urban and Rural Water Systems	28,400
ACT 155	5.1.2.2	WASH Staff Conference Participation	17,900
		Total Costs	<u>\$2,469,700</u>

III. Signed Activity Sheets Summary

There are 12 activities under the signed activity sheets category. These include eight activities which were included in the annual plan submission in December, 1984 and four new mission requests which have been received since January 1, 1985. These activities are not yet authorized. They are anticipated to be activated as soon as a detailed scope of work and activity implementation plan are completed and approved. The total estimated cost for these 12 activities is \$382,750.

<u>Activity Code</u>	<u>Activity</u>	<u>Estimated Total Cost</u>
3.1.2	Thailand: RWS&S Assessment	\$ 55,000
3.1.5	Zaire: Shaba O&M	52,000
3.2.2	World Bank Collaboration	87,000
3.2.3	Peace Corps Collaboration	20,000
5.1.1.4	Non-regional Bureau Initiatives	22,000
5.2.1.4	Low-Cost WS&S Measures	14,000
5.2.2.3	HRD/ID Review	12,250
5.2.5.1	O&M Workshop	On hold
85-8	Swaziland WS&S Projects	24,000
85-12	CAR: National Planning	34,000
85-13	Sierra Leone: CARE Evaluation	35,000
85-15	Nepal: Save the Children Evaluation	27,500
	Total Costs	<u>\$382,750</u>

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IV. Unsigned Activity Sheets Summary

There are 50 activities listed under unsigned activity sheets. These are activities which were drafted and proposed in the FY 85 Annual Work Plan but for various reasons have not been authorized as of March 31, 1985.

<u>Activity Code</u>	<u>Title or Activity</u>	<u>Estimated Total Cost</u>
3.1.1	Burkina-Faso: Assess progress in Village Health Committee establishment and sustenance and make recommendations	\$15,000
3.1.3	Africa Bureau: Assistance in developing guidelines for integrating WS&S with primary health care	88,500
3.1.7	Malawi: Post evaluation assessment of piped water project	30,000
3.1.9	Zaire: Assistance to the Basic Rural Health Project (SANRU)	64,000
3.1.12	DR: RHUDO low income WS&S standards	28,000
3.1.13	Jamaica: RHUDO guidelines for new building code	36,000
3.1.14	Jamaica: Design urban upgrade project	50,000
3.1.15	Jamaica: Urban development pre-PID	16,000
3.1.16	Ecuador: Micro-computers for selection of engineering alternatives	10,000
3.1.17	Ghana: Project design in respect to water crisis	30,000
5.2.1.2	Conduct evaluations of health impact of different levels and combinations of water supply, sanitation and health education, using a rapid but valid methodology (Phase I)	25,000
5.2.1.6	The effect of design standards on the cost of water distribution systems	18,000
5.2.1.7	Evaluation of light-weight drilling techniques and equipment (joint activity--AID/UNICEF)	25,000
5.2.1.8	Ceramic water seal latrines for health programs (Phase I & II)	5,000
5.2.1.9	Drought related activities for OFDA	13,000
5.2.1.10	RWSS Program Managers Guide	15,000
5.2.1.11	Develop handbook and workshop for use in the technology selection and transfer process	31,000
5.2.1.12	Comparative field testing on the complete range of pumping technologies available for WASH activities	10,000
5.2.1.13	Investigate PRE opportunities (lease/purchase) (Phase I)	14,000
5.2.1.14	Design manual for design of simple rural water/sanitation systems	15,000
5.2.1.15	Revision of rural water/sanitation construction practices (Phase I)	15,000
5.2.1.16	Financing of water supply and sanitation connection costs: procedures, practices and alternatives	18,000
5.2.1.17	Technical Commodities	22,000
5.2.1.18	Reduction of unaccounted-for-water (Phase II)	40,000
5.2.1.19	SLC water moving techniques	40,000
5.2.1.20	Vending of water for unserved areas (Phase I)	75,800
5.2.1.21	Review of WASH project reports (Phase I)	15,000
5.2.1.22	Regionalization of water management	45,000
5.2.1.23	Privatization of community water supply	30,000

<u>Activity Code</u>	<u>Title or Activity</u>	<u>Estimated Total Cost</u>
5.2.1.24	Development of preliminary information and an outline for a "Catalogue of WASH-Related Technologies" to assist in good technology transfer	28,900
5.2.1.25	Development of empirical data and procedures for collecting data on supply and sanitation facilities in developing countries	43,000
5.2.1.26	Determinants of willingness to pay for water in rural areas	59,000
5.2.1.27	Determinants of demand for water in low-income peri-urban areas	44,000
5.2.1.28	Defluoridation of water	44,000
5.2.1.29	Assessment of implementation levels in selected WASH I activities (Phase I)	11,000
5.2.1.30	Continue development of project development guidelines (T23)	15,000
5.2.2.3	Development of Five Year Plan for WASH II HRD activities	11,000
5.2.2.4	Development of HRD planning capacity within WS&S institutions	22,500
5.2.2.5	Participation in HRD Core Group Activities	11,000
5.2.2.7	Development of guidelines for counterpart skill transfer	12,250
5.2.2.9	Development of Training Guide on Domestic Sanitation	40,000
5.2.2.10	Development of training of trainers strategy for a typical WS&S institution	56,250
5.2.3.4	Prepare two Audiovisual Briefing Packages	11,000
5.2.4.1	Development of Health Education modules for general use in AID-financed WS&S projects	27,500
5.2.4.2	Field guide for managing children's defecation	16,500
5.2.4.3	Development of WS&S program evaluation guidelines	25,000
5.2.5.2	Visit various BVS water supply projects	14,000
5.2.5.3	Plan workshops to teach effective maintenance of rural WS&S systems	13,000
5.3.1	Water and Sanitation Decade Planning: institutional strengthening of national planning capabilities	30,000
85-16	Women's Involvement in WS&S Projects	4,000

WASH II SEMI-ANNUAL REPORT
ADMINISTRATIVE STATUS AS OF
MARCH 30, 1985

A. EXPENDITURES

AID CONTRACT NO.: DPE-5942-C-00-4085-00
CDM JOB NO: 3029-113A

TOTAL ESTIMATED COSTS: \$16,696,228
FIXED FEE: 491,859

PERIOD COVERED: October 1984 thru March 1985

TOTAL ESTIMATED COSTS
PLUS FIXED FEE: \$17,188,087

Cost Element	CURRENT YEAR	TOTAL TO DATE	TOTAL BUDGETED	AMOUNT REMAINING
Salaries and Wages:				
International Division	155,974.03	155,974.03	1,827,811.00	1,641,337.99
Other Divisions	30,498.98	30,498.98		
Overhead:				
International Division @ 138.8	216,491.95	216,491.95	2,575,297.00	2,308,878.22
Other Division @ 163.7	49,926.83	49,926.83		
Consultants	120,590.88	120,590.88	1,512,990.00	1,392,399.12
Subcontracts	207,786.41	207,786.41	5,766,014.00	5,558,227.59
Travel & Transportation	59,971.84	59,971.84	2,300,084.00	2,240,112.16
Expendable Equipment	0.00	0.00	246,336.00	246,336.00
Non-Expendable Equipment	0.00	0.00		
Other Direct Costs	143,694.15	143,694.15	2,467,696.00	2,324,001.85
<hr/>				
Total Costs Incurred	984,935.07	984,935.07	16,696,228.00	15,711,292.93
Fixed Fee	34,971.69	34,971.69	491,859.00	456,887.31
<hr/>				
TOTAL COSTS PLUS FIXED FEE	1,019,906.76	1,019,906.76	17,188,087.00	16,168,180.24

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WASH II SEMI-ANNUAL REPORT
ADMINISTRATIVE STATUS AS OF
MARCH 30, 1985

Contract No: DPE-5942-C-00-4085-00

B. PERSONNEL

Key personnel - WASH Operation Center:

Director - Leo A. St. Michel
Deputy Director - Dennis B. Warner
Office Manager - Judy Yang
Associate Director for
Engineering and Technology - David Donaldson (though 3/18/85)
Associate Director for Human
Resources Development - Fred Rosensweig *
Associate Director for
Information Services - James E. Beverly *
Associate Director for
Environmental Health - Raymond B. Isely *
Operations Maintenance
Specialist - James K. Jordan
Librarian - Dan B. Campbell*

* Subcontractor employee

WASH II Project has completed 99.5 person-months distributed as follows:

Camp, Dresser and McKee International Inc. (CDM)

Professional Staff	37.2	
Consultants	11.2	
Support Staff	<u>12.1</u>	
		<u>60.5</u>

WASH Subcontractors

Professional Staff	32.8	
Consultants	5.1	
Support Staff	<u>1.1</u>	
		<u>39</u>

Foreign Country Nationals	0	
Total Level of Effort		<u>99.5</u>

In addition, CDM has supplied 25.8 person-months of support through Temporary agencies.