



**WATER AND SANITATION
FOR HEALTH PROJECT**

Operated by CDM Associates

Sponsored by the U.S. Agency
for International Development

4 February 1987

PD-AAU-142

48783

WASH Operations Center
1611 N. Kent St., Room 1002
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ACT 301

Dr. John H. Austin
WASH Cognizant Technical Officer
U.S. Agency for International Development
Bureau of Science and Technology
Office of Health
Room 702-C, SA-18
Washington, D.C. 20523

Re: Contract No. 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 fourth 6-month period through 27 September 1987.

Sincerely,

Leo A. St. Michel
WASH Project Director

LASM/jc

cc: Joyce Frame, SER/AAM/ST
Maury Brown, PPC/CDIE/DI

WASH II Semi-Annual Report
 Status of Activities By Bureau
 As of September 27, 1986

SECTION A

ACTIVITY NUMBER	ACTIVITY DESCRIPTION	Type			COST		PERCENT COMPLT.
		IHRD	T/A	INFO	APPROVED	TO-DATE	
AFRICA Bureau							
111-RM	SUDAN: TRAINING OF TRAINERS & LATRINE CONSTRUCTION WORKSHOP	25%	75%		1,549	1,549	100.0%
114-RM	ZAIRE: NATIONAL RURAL WATER AND SANITATION	100%			57,403	57,403	100.0%
122-ACT	CAMEROON: DEV. EVALUATION PLAN FOR CARE NO. WELLS PROJECT	100%			11,029	11,043	100.1%
125-ACT	AFRICA BUREAU: WASH INITIATIVES	50%		50%	11,185	11,185	100.0%
134-ACT	CHAD: EMERGENCY HEALTH ASSESSMENT	100%			16,369	16,369	100.0%
144-ACT	BOTSWANA: ECO. COMP. OF LATRINE VS. WATERBORNE SEWER SYSTEMS	100%			32,640	32,640	100.0%
145-ACT	LESOTHO: RWS&S PROJECT EVALUATIONS	100%			1,373	1,373	100.0%
150-ACT	BENIN: RURAL WATER PROJECT REDESIGN	100%			20,130	20,130	100.0%
156-ACT	C.A.R. WATER DECADE PLANNING	60%	40%		39,125	39,125	100.0%
161-ACT	ZAIRE: SANRU II PROJECT PAPER	100%			13,212	13,212	100.0%
162-ACT	SIERRA LEONE: CARE WATER PROGRAM EVALUATION DESIGN	65%	35%		35,028	35,028	100.0%
169-ACT	SWAZILAND: MANPOWER DEVELOPMENT STRATEGY		100%		4,656	4,656	100.0%
170-ACT	SWAZILAND: NATIONAL DECADE PLANNING	100%			80,000	80,988	101.2%
171-ACT	BURKINA FASO: PREP OF FLD HANDBK ON COMM PART/HEA EDUCATION	25%	25%	50%	504	504	100.0%
174-ACT	ZAIRE: VILLAGE BASED MAINT SYS FOR SHABA REFUGEE WS PROJECT	50%	50%		52,931	52,931	100.0%

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		IHRD	T/A	INFO	APPROVED	TO-DATE	
176-ACT	TOGO: TRAINING IN RAINWATER HARVESTING		100%		26,733	26,733	100.0%
179-ACT	TOGO: TRAINING OF TRAINERS		100%		34,171	34,171	100.0%
181-ACT	LESOTHO: RURAL SANITATION PROJECT - FINANCIAL/ECONOMIC STUDY	50%	50%		20,698	20,698	100.0%
187-ACT	ZAIRE: SANRU (RURAL HEALTH) TRAINING PLAN		100%		13,536	13,536	100.0%
188-ACT	KENYA/RHUDO: SMALL TOWNS SHELTER AND COMMUNITY PROJECT	100%			10,519	10,519	100.0%
189-ACT	BOTSWANA: RENEWABLE ENERGY TECHNOLOGY PROJECT	100%			204,000	40,008	19.6%
201-ACT	AFRICA BUREAU: WASH INITIATIVES	100%			20,760	20,760	100.0%
207-ACT	SUDAN: TOT/SANITATION WORKSHOP	10%	90%		38,565	38,565	100.0%
209-ACT	MALAWI: TOT/HEALTH EDUCATION		100%		81,778	81,778	100.0%
216-ACT	SWAZILAND: WORKSHOP ON COMMUNITY PARTICIPATION		100%		34,065	32,134	94.3%
217-ACT	LIBERIA: WATER SUPPLY FOR CUTTINGTON UNIVERSITY COLLEGE	100%			14,572	14,572	100.0%
219-ACT	ZAIRE: NATIONAL RURAL WATER AND SANITATION PLANNING	100%			68,990	68,990	100.0%
221-ACT	ZAIRE: TRAINING OF TRAINERS - WORKSHOP I		100%		34,470	34,470	100.0%
224-ACT	ZAIRE: TRAINING OF COMMUNITY DEVELOPMENT WORKERS - SHABA WATER PROJECT		100%		30,050	17,943	59.7%
230-ACT	RWANDA: RUHENGERI WATER RESOURCE STUDY	100%			29,000	29,885	103.1%

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		IHRD	T/A	INFO	APPROVED	TO-DATE	
235-ACT	MALAWI: PIPED WATER PROJECT EVALUATION	100%			80,000	68,385	85.5%
238-ACT	BURKINA FASO: PREPARATION OF SOW FOR EVALUATION OF RWSS PROJECT	100%			7,301	7,301	100.0%
243-ACT	BURKINA FASO: FINAL EVALUATION OF RURAL WATER SUPPLY PROJECT		100%		67,789	61,890	91.3%
245-ACT	ZAIRE: TRAINING OF TRAINERS - WORKSHOP II	100%			43,200	25,759	59.6%
249-ACT	ZAIRE: INFORMATION SYSTEM DESIGN FOR SANRU II PROJECT	15%	85%		14,853	8,130	54.7%
257-ACT	MALAWI: WATER RESOURCES CONSULTATION	50%	50%		43,400	0	0.0%
264-ACT	DJIBOUTI: PLAN FOR WASH TECHNICAL ASSISTANCE	50%	50%		32,962	0	0.0%
<u>AFRICA Bureau Total Costs For 37 Activities:</u>					<u>1,328,546</u>	<u>1,034,363</u>	<u>77.9%</u>

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ACTIVITY NUMBER	ACTIVITY DESCRIPTION	Type			COST		PERCENT COMPLT.
		IHRD	T/A	INFO	APPROVED	TO-DATE	
<u>ASIA Bureau</u>							
126-ACT	ASIA BUREAU: WASH INITIATIVES	50%		50%	146	146	100.0%
141-ACT	ASSISTANCE IN DEVELOPING RATIONALE FOR INCLUDING WS&S IN PHC	80%		20%	15,084	15,084	100.0%
151-ACT	SRI-LANKA: PRE-IMPLEMENTATION WORKSHOP			100%	27,072	27,072	100.0%
160-ACT	THAILAND: ASSESSMENT OF CURRENT STATUS OF RURAL WS&S PROJECT	100%			51,393	51,393	100.0%
163-ACT	NEPAL: ASSESSMENT OF SOF RURAL WSS & TRAINING FIELD STAFF	50%	50%		17,271	17,271	100.0%
164-ACT	PHILIPPINES: EXTENSION AND/OR DIV. OF BARANGAY WS PROJECT	50%	50%		119,307	119,307	100.0%
211-ACT	PAPUA NEW GUINEA: EVALUATION OF RWS&S PROJECT	50%	50%		72,331	72,331	100.0%
226-ACT	NEPAL: ASSISTANCE TO SAVE THE CHILDREN FOUNDATION PROJECT (PHASE II)			100%	35,563	29,923	84.1%
237-ACT	SRI LANKA: FIRST MONITORING/EVALUATION OF WS&S PROJECT			100%	71,054	71,054	100.0%
239-ACT	SRI LANKA: PROVISION OF INFORMATION SERVICES TO USAID/SRI LANKA			100%	15,399	1,777	11.5%
246-ACT	SRI LANKA : O&M EFFICIENCY ASSESSMENT	40%	60%		72,700	50,521	69.5%
250-ACT	PHILIPPINES: PROJECT PAPER ASSISTANCE ON RURAL WS&S			100%	126,600	84,496	66.7%
251-ACT	NEPAL: PROJECT START-UP WORKSHOP FOR IRRIGATION MANAGEMENT	100%			15,000	14,256	95.0%

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		IHRD	T/A	INFU	APPROVED	TO-DATE	
253-ACT	SRI LANKA: NWSDB MANAGEMENT TRAINING PROGRAM	100%			49,471	28,141	56.9%
<u>ASIA Bureau Total Costs For 14 Activities:</u>					688,391	582,772	84.7%

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		IHRD	T/A	INFO	APPROVED	TO-DATE	
<u>LAC Bureau</u>							
104-RM	BOLIVIA: SIMPLE LOW-COST WATER SAN. MEASURES FOR RURAL PROGS	80%	10%	10%	8,233	8,233	100.0%
106-RM	DOMINICAN REPUBLIC: EVALUATION OF MODIFIED AID TYPE HANDPUMP	80%	10%	10%	31,907	31,907	100.0%
113-RM	BELIZE: PREPARATION OF PROJECT PAPER		100%		9,325	9,325	100.0%
117-ACT	BELIZE BASELINE SURVEY FOR CARE	100%			23,145	23,145	100.0%
127-ACT	LAC BUREAU: WASH INITIATIVES	50%		50%	3,666	3,666	100.0%
136-ACT	DOMINICAN REPUBLIC: DEV. OF STEEL HANDPUMP FOR RWS PROGRAM	100%			52,588	52,588	100.0%
137-ACT	HONDURAS: TA IN WELL DRILLING FOR NGO PROGRAM	75%	25%		15,347	15,347	100.0%
165-ACT	HAITI: DESIGN OF EVAL. FOR CARE COMMUNITY WATER SUPPLY PROJECT	100%			13,480	13,480	100.0%
168-ACT	BOLIVIA: CARE EVALUATION	100%			42,300	42,300	100.0%
172-ACT	DOMINICAN REPUBLIC: RURAL WS&S PROJECT EVALUATION	100%			20,066	12,534	62.5%
178-ACT	BOLIVIA: RAINWATER CATCHMENT	25%	75%		14,799	14,799	100.0%
203-ACT	LAC BUREAU: WASH INITIATIVES	75%	25%		11,823	11,823	100.0%
210-ACT	HONDURAS: WS&S PROJECT EVALUATION	65%	35%		51,500	51,704	100.4%
227-ACT	EL SALVADOR: ASSESSMENT OF HANDPUMP PROGRAM	60%	40%		30,000	21,135	70.5%
228-ACT	BOLIVIA: OPERATIONS		100%		92,495	87,200	94.3%

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		IHRD	T/A	INFO	APPROVED	TO-DATE	
	AND MAINTENANCE TRAINING						
231-ACT	MEXICO: JUAREZ WATER SUPPLY TECHNICAL ASSISTANCE	80%	20%		16,000	17,201	107.5%
242-ACT	HONDURAS: DEVELOPMENT PROJECT EVALUATION FOR THE BAY ISLANDS	20%	80%		10,629	10,629	100.0%
260-ACT	BOLIVIA: OPERATION AND MAINTENANCE TRAINING	100%			45,840	0	0.0%
262-ACT	LATIN AMERICA: EVALUTATION OF CRS/AID MATCHING GRANT	20%	80%		82,000	0	0.0%
<u>LAC Bureau Total Costs For 19 Activities:</u>					575,143	427,016	74.2%

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		IHRD	T/A	INFO	APPROVED	TO-DATE		
<u>NE Bureau</u>								
108-RM	BVS OVERSEAS TRAINING		100%			36,594	36,594	100.0%
110-RM	TUNISIA: SITE SESSION FOR HOUSING GUARANTEED PROJECTS		100%			38,996	38,996	100.0%
118-ACT	EGYPT: WATER/WASTEWATER PROGRAM ASSESSMENT	50%	50%			138,895	138,895	100.0%
128-ACT	NEAR EAST BUREAU: WASH INITIATIVES	50%		50%		1,742	1,742	100.0%
130-ACT	NEAR EAST WATER/WASTEWATER WORKSHOP	50%	50%			68,734	68,734	100.0%
132-ACT	OMAN: CAPITAL REGION WATER RESOURCES PROJECT		100%			153,922	153,922	100.0%
153-ACT	TUNISIA: AMEND TO DRINKING WATER S'PROJECT OF C. TUNISIA RDP		100%			401	401	100.0%
158-ACT	EGYPT: O&M ASSESSMENT BVS PROJECT	70%	30%			27,929	27,929	100.0%
159-ACT	OMAN: WATER DISTRIBUTION SYSTEM MODEL		100%			166,954	166,954	100.0%
175-ACT	YEMEN: SANAA BASIN WATER RESOURCES PROJECT	70%	30%			87,238	87,238	100.0%
182-ACT	OMAN: ASSIST IN PREPARATION OF WATER RESOURCES PROJECT PAPER	70%	30%			140,303	140,303	100.0%
202-ACT	ASIA/NEAR EAST BUREAU: WASH INITIATIVES		100%			9,388	9,388	100.0%
213-ACT	SOLOMON ISLANDS: RWS&S PROJECT PLANNING ASSISTANCE	60%	40%			70,541	70,541	100.0%
215-ACT	TUNISIA: RHUDD SANITATION UPGRADING PROJECT REVIEW.		100%			8,701	8,701	100.0%
232-ACT	ANE WATER/ WASTEWATER WORKSHOP		100%			120	120	100.0%

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		IHRD	T/A	INFO	APPROVED	TO-DATE	
234--ACT	ANE WATER/ WASTEWATER COMMITTEE TECHNICAL SEMINARS	100%			1,282	1,282	100.0%
241--ACT	JORDAN: PROGRAM FOR MONITORING GROUNDWATER		100%		39,000	12,991	33.3%
247--ACT	OMAN: CAPITAL REGION SEPTAGE STUDY		100%		36,784	14,742	40.1%
248--ACT	OMAN: PREPARATION OF REVISED FEASIBILITY STUDY		100%		49,500	31,194	63.0%
255--ACT	JORDAN: REGIONAL CONFERENCE ON WASTEWATER REUSE		100%		16,108	9,063	56.3%
256--ACT	YEMAN: EVALUATION OF SMALL RURAL WATER SYSTEMS		100%		67,000	14,420	21.5%
270--ACT	TRAINING: WASTEWATER TREATMENT SITE VISITS IN DC AREA: I		100%		3,340	0	0.0%
<u>NE Bureau Total Costs For 22 Activities:</u>					1,163,472	1,034,150	88.9%

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		IHRD	T/A	INFO	APPROVED	TO-DATE	
<u>OFDA Bureau</u>							
112-RM	ETHIOPIA: TECHNICAL ASSISTANCE TO OFDA EFFORTS	80%	10%	10%	33,087	33,087	100.0%
121-ACT	ETHIOPIA: ASSISTANCE TO OFDA DROUGHT RELIEF EFFORTS		90%	10%	4,293	4,293	100.0%
131-ACT	ETHIOPIA: TA TO OFDA DROUGHT RELIEF - PHASE III		100%		97,598	97,598	100.0%
143-ACT	BURKINA FASO: EMER. ASSISTANCE TO WS SECTOR IN OUAGADOUGBU		100%		59,578	59,578	100.0%
147-ACT	DEVELOPING WS STRATEGY FOR DROUGHT AFFECTED AREAS IN AFRICA		50%	50%	32,526	32,526	100.0%
167-ACT	BURKINA FASO: EMERGENCY DAM AND SPILLWAY PROJECT	100%			248,925	231,389	93.0%
177-ACT	T/A TO DROUGHT STRICKEN AFRICAN COUNTRIES	100%			68,357	68,357	100.0%
212-ACT	BRAZIL: DISASTER MITIGATION ASSESSMENT	75%	25%		10,221	10,221	100.0%
220-ACT	OFDA LIAISON: EMERGENCY DISASTER ASSISTANCE	75%		25%	15,244	2,231	14.6%
244-ACT	UGANDA : EMERGENCY WATER SUPPLY ASSESSMENT (OFDA)		100%		69,470	46,984	67.6%
252-ACT	SOLOMON ISLANDS : HURRICANE DISASTER ASSISTANCE		100%		5,840	4,173	71.5%
254-ACT	UGANDA: EMERGENCY WATER SUPPLY PROJECTS		100%		33,000	26,690	80.9%
<u>OFDA Bureau Total Costs For 12 Activities:</u>					678,139	617,127	91.0%

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		IHRD	T/A	INFO	APPROVED	TO-DATE	
S & T Bureau							
101-RM	1ST ANNUAL WORK PLAN	34%	33%	33%	74,451	74,451	100.0%
102-RM	ADMINISTRATIVE START UP	34%	33%	33%	129,893	129,893	100.0%
103-RM	TECHNICAL START UP			100%	107,052	107,052	100.0%
105-RM	VISIT TO IDRC & UNICEF		100%		1,571	1,571	100.0%
107-RM	CHILE: COORDINATING WORKING GROUPS WITH PAHO SYMPOSIUM		100%		7,309	7,309	100.0%
109-RM	DEVELOPING SCOPE FOR GUIDELINES FOR ASSISTING INSTITUTIONS		100%		10,662	10,662	100.0%
115-ACT	DEVELOPMENT OF TEAM PLANNING MODEL		100%		11,998	11,998	100.0%
116-ACT	DEVELOPMENT OF TRAINING GUIDE ON WELL IMPROVEMENT		100%		43,630	40,363	92.5%
119-ACT	GENERAL ADMINISTRATION	34%	33%	33%	1,150,966	1,101,398	95.7%
120-ACT	GENERAL TECHNICAL MANAGEMENT	33%	34%	33%	428,095	394,526	92.2%
123-ACT	PRELIMINARY ACTIVITY DEVELOPMENT	33%	34%	33%	432,385	429,338	99.3%
124-ACT	DEVELOPMENT OF TRAINING GUIDE ON COMMUNITY PARTICIPATION		100%		72,811	59,698	82.0%
129-ACT	PROVISION OF INFO SERVS TO AID & AID-RELATED ORGANIZATIONS			100%	362,500	339,779	93.7%
133-ACT	CARE: AFRICA FIELD STAFF TRAINING WORKSHOP	25%	75%		60,911	60,911	100.0%
135-ACT	PREPARE NEW WASH BROCHURE			100%	7,273	7,273	100.0%
138-ACT	SANITARY SURVEY MANUAL FOR VILLAGE WORKERS	75%		25%	15,294	15,294	100.0%
139-ACT	ASSISTANCE TO CARE FOR WS&S GUIDELINES	70%		30%	41,000	40,610	99.0%

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		IHRD	T/A	INFO	APPROVED	TO-DATE	
140-ACT	TARGETING RURAL WS&S PROGRAMS/GUINEA WORM ENDEMIC AREAS	70%	20%	10%	25,679	19,692	76.7%
142-ACT	ISSUES PAPER ON WS&S IN RELATION TO ORT	50%		50%	3,198	3,198	100.0%
146-ACT	DEV. OF GUIDELINES FOR ASSESSING INSTITUTIONAL EFFECTIVENESS		100%		119,590	114,104	95.4%
148-ACT	COLLAB. WITH NON-AID WS&S RELATED ORG'S. IN U.S. & OVERSEAS	25%	25%	50%	12,276	12,276	100.0%
149-ACT	PROJECT ASSESSMENT FOR OPERATIONS AND MAINTENANCE	80%	20%		16,582	16,582	100.0%
152-ACT	PLANNING FOR COMMUNITY WATER SUPPLY IN DEVELOPING COUNTRIES		100%		35,959	35,959	100.0%
154-ACT	REDUCING WATER LOSSES IN SMALL URBAN AND RURAL SYSTEMS	80%	20%		24,034	24,034	100.0%
155-ACT	WASH STAFF CONFERENCE PARTICIPATION	60%	20%	20%	14,388	14,388	100.0%
157-ACT	EVALUATION OF WASH INFORMATION SERVICES			100%	8,770	8,770	100.0%
166-ACT	DETERMINANTS OF WILLINGNESS TO PAY FOR WATER SUPPLY	100%			82,625	54,872	66.4%
173-ACT	PREPARE WASH PROGRESS REPORT NO. 9			100%	20,593	20,593	100.0%
180-ACT	WATER SUPPLY AS A STIMULUS TO PHC	100%			81,360	42,783	52.6%
183-ACT	WASH: AUDIO VISUAL BRIEFING PACKAGE			100%	130	130	100.0%
184-ACT	PREPARE WASH COMMUNICATION STRATEGY DOCUMENT			100%	143	143	100.0%
185-ACT	DISTRIBUTION OF WATER BY VENDING.	100%			98,500	72,307	73.4%

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		IHRD	T/A	INFO	APPROVED	TO-DATE	
186-ACT	ADVISORY PANEL FOR WATER AND SANITATION FOR CHILD SURVIVAL	100%			6,335	6,335	100.0%
204-ACT	COLLABORATION WITH NON-AID WS&S RELATED ORGANIZATIONS IN US & OVERSEAS	40%	40%		22,341	22,341	100.0%
205-ACT	WASH STAFF CONFERENCE PARTICIPATION	60%	20%	20%	22,344	22,344	100.0%
206-ACT	DEVELOPMENT OF MANAGEMENT TRAINING COURSE		100%		12,205	8,427	69.0%
208-ACT	DOMESTIC WATER SUPPLY AND SANITATION IN IRRIGATION PROJECTS	75%	25%		18,828	5,196	27.6%
214-ACT	MANAGING CHILDHOOD DEFECATION	75%		25%	47,814	26,162	54.7%
218-ACT	PRIVATIZATION AND O&M	60%	40%		47,000	10,427	22.2%
222-ACT	FINANCING METHODS AND COST RECOVERY STRATEGIES FOR WS&S PROGRAMS	35%		65%	10,000	7,021	70.2%
223-ACT	DEVELOPMENT OF ADDITIONAL O&M ASSESSMENT GUIDES	60%	40%		26,100	19,618	75.2%
225-ACT	PERU: CARE WATER/ SANITATION PROJECT MANAGEMENT WORKSHOP	50%	50%		53,441	52,936	99.1%
229-ACT	PLANNING FOR PAHO SYMPOSIUM ON INTEGRATING WS&S INTO PHC		100%		40,605	5,328	13.1%
233-ACT	TECHNICAL ASSISTANCE TO ATLANTA UNIV. AFRICAN WS&S SYMPOSIUM - MAY '87	40%	30%	30%	9,000	2,039	22.7%
236-ACT	TECHNOLOGY TRANSFER FOR WATER AND SANITATION PROJECTS	100%			5,302	5,302	100.0%
240-ACT	COST MANAGEMENT:	100%			33,976	2,372	7.0%

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ACTIVITY NUMBER	ACTIVITY DESCRIPTION	Type			COST		PERCENT COMPLT.
		IHRD	T/A	INFO	APPROVED	TO-DATE	
	COMPARATIVE PERFORMANCE IN WS&S SYSTEMS						
258-ACT	DRILLED WATER WELL REHABILITATION			100%	19,500	0	0.0%
259-ACT	DRILLING RIG SELECTION			100%	11,900	0	0.0%
261-ACT	PREPARATION AND DISTRIBUTION OF WASH PROGRESS REPORT NO 10			100%	15,900	0	0.0%
263-ACT	ESTIMATING O&M COSTS FOR WATER SUPPLY PROJECT			100%	25,545	0	0.0%
265-ACT	LESSONS LEARNED FORM WASH FIELD ACTIVITIES ON HEALTH IMPACT			100%	13,400	0	0.0%
266-ACT	SOCIAL MARKETING FOR WS&S OBJECTIVES			100%	21,000	42	0.2%
267-ACT	GUIDELINES FOR FINANCIAL MANAGEMENT ASSESSMENT	20%	80%		24,000	0	0.0%
268-ACT	DEVELOPMENT OF MODEL FOR PROJECT START-UPS	100%			15,920	0	0.0%
269-ACT	GUIDELINES TO IMPROVE PLANNING AND IMPLEMENTATION OF WS&S PJ	20%	80%		15,000	0	0.0%
S & T Bureau Total Costs For 55 Activities:					4,019,084	3,467,847	86.3%

WASH II Semi-Annual Report
 Status of Activities By Bureau
 As of September 27, 1986

SECTION A

ACTIVITY NUMBER	ACTIVITY DESCRIPTION	Type			COST		PERCENT COMPLT.
		IHRD	T/A	INFO	APPROVED	TO-DATE	
<i>Section A Total For 159 Activities:</i>					8,452,775	7,163,275	84.7%

WASH II Semi-Annual Report
 Approved Costs Of Completed Activities
 As of September 27, 1986

SECTION B

ACTIVITY NUMBER	ACTIVITY DESCRIPTION	FY86 APPROVED COST	FY85 APPROVED COST	FY86 CHANGE
101-RM	1ST ANNUAL WORK PLAN	72,754	72,754	0
102-RM	ADMINISTRATIVE START UP	124,935	124,935	0
103-RM	TECHNICAL START UP	104,651	104,651	0
104-RM	BOLIVIA: SIMPLE LOW-COST WATER SAN. MEASURES FOR RURAL PROGS	8,090	8,090	0
105-RM	VISIT TO IDRC & UNICEF	1,567	1,567	0
106-RM	DOMINICAN REPUBLIC: EVALUATION OF MODIFIED AID TYPE HANDPUMP	31,000	31,000	0
107-RM	CHILE: COORDINATING WORKING GROUPS WITH PAHD SYMPOSIUM	7,239	7,238	1
108-RM	BVS OVERSEAS TRAINING	35,473	35,471	2
109-RM	DEVELOPING SCOPE FOR GUIDELINES FOR ASSISTING INSTITUTIONS	10,660	10,659	1
110-RM	TUNISIA: SITE SESSION FOR HOUSING GUARANTEED PROJECTS	37,394	41,000	(3,606)
111-RM	SUDAN: TRAINING OF TRAINERS & LATRINE CONSTRUCTION WORKSHOP	1,482	1,482	0
112-RM	ETHIOPIA: TECHNICAL ASSISTANCE TO OFDA EFFORTS	31,947	31,947	0
113-RM	BELIZE: PREPARATION OF PROJECT PAPER	8,924	8,924	0
114-RM	ZAIRE: NATIONAL RURAL WATER AND SANITATION	55,295	59,000	(3,705)
115-ACT	DEVELOPMENT OF TEAM PLANNING MODEL	11,866	15,796	(3,930)
117-ACT	BELIZE BASELINE SURVEY FOR CARE	22,628	29,100	(6,472)
118-ACT	EGYPT: WATER/WASTEWATER PROGRAM ASSESSMENT	135,361	138,672	(3,311)
121-ACT	ETHIOPIA: ASSISTANCE TO OFDA DROUGHT RELIEF EFFORTS	4,113	4,113	0

NOTE: The approved costs shown in Section B does not include fee.

WASH II Semi-Annual Report
 Approved Costs Of Completed Activities
 As of September 27, 1986

SECTION B

ACTIVITY NUMBER	ACTIVITY DESCRIPTION	FY86 APPROVED COST	FY85 APPROVED COST	FY86 CHANGE
122-ACT	CAMEROON: DEV. EVALUATION PLAN FOR CARE NO. WELLS PROJECT	10,617	13,762	(3,145)
125-ACT	AFRICA BUREAU: WASH INITIATIVES	10,703	9,924	779
126-ACT	ASIA BUREAU: WASH INITIATIVES	144	200	(56)
127-ACT	LAC BUREAU: WASH INITIATIVES	3,508	4,000	(492)
128-ACT	NEAR EAST BUREAU: WASH INITIATIVES	1,710	2,000	(290)
130-ACT	NEAR EAST WATER/WASTEWATER WORKSHOP	67,674	71,526	(3,852)
131-ACT	ETHIOPIA: TA TO OFDA DROUGHT RELIEF - PHASE III	97,546	103,300	(5,754)
132-ACT	OMAN: CAPITAL REGION WATER RESOURCES PROJECT	147,294	156,000	(8,706)
133-ACT	CARE: AFRICA FIELD STAFF TRAINING WORKSHOP	58,881	59,000	(119)
134-ACT	CHAD: EMERGENCY HEALTH ASSESSMENT	15,685	15,201	484
135-ACT	PREPARE NEW WASH BROCHURE	7,110	7,110	0
136-ACT	DOMINICAN REPUBLIC: DEV. OF STEEL HANDPUMP FOR RWS PROGRAM	50,329	50,000	329
137-ACT	HONDURAS: TA IN WELL DRILLING FOR NGO PROGRAM	14,693	11,200	3,493
138-ACT	SANITARY SURVEY MANUAL FOR VILLAGE WORKERS	15,210	22,290	(7,080)
141-ACT	ASSISTANCE IN DEVELOPING RATIONALE FOR INCLUDING WS&S IN PHC	15,009	24,142	(9,133)
142-ACT	ISSUES PAPER ON WS&S IN RELATION TO ORT	3,149	2,716	433
143-ACT	BURKINA FASO: EMER. ASSISTANCE TO WS SECTOR IN OUAGADOUGBU	57,358	56,063	1,295

NOTE: The approved costs shown in Section B does not include fee.

WASH II Semi-Annual Report
 Approved Costs Of Completed Activities
 As of September 27, 1986

SECTION B

ACTIVITY NUMBER	ACTIVITY DESCRIPTION	FY86 APPROVED COST	FY85 APPROVED COST	FY86 CHANGE
144-ACT	BOTSWANA: ECO. COMP. OF LATRINE VS. WATERBORNE SEWER SYSTEMS	31,234	30,600	634
145-ACT	LESOTHO: RWS&S PROJECT EVALUATIONS	1,345	1,313	32
147-ACT	DEVELOPING WS STRATEGY FOR DROUGHT AFFECTED AREAS IN AFRICA	31,175	33,000	(1,825)
148-ACT	COLLAB. WITH NON-AID WS&S RELATED ORG'S. IN U.S. & OVERSEAS	11,906	13,000	(1,094)
149-ACT	PROJECT ASSESSMENT FOR OPERATIONS AND MAINTENANCE	15,939	17,800	(1,861)
150-ACT	BENIN: RURAL WATER PROJECT REDESIGN	19,874	19,875	(1)
151-ACT	SRI-LANKA: PRE-IMPLEMENTATION WORKSHOP	26,729	26,065	664
152-ACT	PLANNING FOR COMMUNITY WATER SUPPLY IN DEVELOPING COUNTRIES	35,195	38,500	(3,305)
153-ACT	TUNISIA: AMEND TO DRINK'G WATER S'PROJECT OF C. TUNISIA RDP	390	360	30
154-ACT	REDUCING WATER LOSSES IN SMALL URBAN AND RURAL SYSTEMS	23,971	28,400	(4,429)
155-ACT	WASH STAFF CONFERENCE PARTICIPATION	14,056	17,900	(3,844)
156-ACT	C.A.R. WATER DECADE PLANNING	37,440	34,700	2,740
157-ACT	EVALUATION OF WASH INFORMATION SERVICES	8,764	10,700	(1,936)
158-ACT	EGYPT: O&M ASSESSMENT BVS PROJECT	26,727	25,000	1,727
159-ACT	OMAN: WATER DISTRIBUTION SYSTEM MODEL	159,768	210,000	(50,232)
160-ACT	THAILAND: ASSESSMENT OF	49,251	43,131	6,120

NOTE: The approved costs shown in Section B does not include fee.

WASH II Semi-Annual Report
Approved Costs Of Completed Activities
As of September 27, 1986

SECTION B

ACTIVITY NUMBER	ACTIVITY DESCRIPTION	FY86 APPROVED COST	FY85 APPROVED COST	FY86 CHANGE
	CURRENT STATUS OF RURAL WS&S PROJECT			
161-ACT	ZAIRE: SANRU II PROJECT PAPER	12,643	16,300	(3,657)
162-ACT	SIERRA LEONE: CARE WATER PROGRAM EVALUATION DESIGN	33,524	26,500	7,024
163-ACT	NEPAL: ASSESSMENT OF SCF RURAL WSS & TRAINING FIELD STAFF	16,590	21,621	(5,031)
164-ACT	PHILIPPINES: EXTENSION AND/OR DIV. OF BARANGAY WS PROJECT	116,169	90,960	25,209
165-ACT	HAITI: DESIGN OF EVAL. FOR CARE COMMUNITY WATER SUPPLY PROJECT	12,933	11,781	1,152
168-ACT	BOLIVIA: CARE EVALUATION	40,569	36,133	4,436
169-ACT	SWAZILAND: MANPOWER DEVELOPMENT STRATEGY	4,587	47,939	(43,352)
171-ACT	BURKINA FASO: PREF OF FLD HNDRE ON COMM PART/HEA EDUCATION	501	21,296	(20,795)
173-ACT	PREPARE WASH PROGRESS REPORT NO. 9	19,975	12,150	7,825
174-ACT	ZAIRE: VILLAGE BASED MAINT SYS FOR SHABA REFUGEE WS PROJECT	51,188	37,368	13,820
175-ACT	YEMEN: SANAA BASIN WATER RESOURCES PROJECT	83,540	67,000	16,540
176-ACT	TOGO: TRAINING IN RAINWATER HARVESTING	25,622	25,015	607
177-ACT	T/A TO DROUGHT STRICKEN AFRICAN COUNTRIES	65,413	75,000	(9,587)
178-ACT	BOLIVIA: RAINWATER CATCHMENT	14,201	4,036	10,165
179-ACT	TOGO: TRAINING OF TRAINERS	33,106	36,605	(3,499)
181-ACT	LESOTHO: RURAL SANITATION PROJECT - FINANCIAL/ECONOMIC STUDY	19,807	22,000	(2,193)
182-ACT	OMAN: ASSIST IN PREPARATION OF	134,627	101,500	33,127

NOTE: The approved costs shown in Section B does not include fee.

WASH II Semi-Annual Report
 Approved Costs Of Completed Activities
 As of September 27, 1986

SECTION B

ACTIVITY NUMBER	ACTIVITY DESCRIPTION	FY86 APPROVED COST	FY85 APPROVED COST	FY86 CHANGE
	WATER RESOURCES PROJECT PAPER			
183-ACT	WASH: AUDIO VISUAL BRIEFING PACKAGE	125	8,870	(8,745)
184-ACT	PREPARE WASH COMMUNICATION STRATEGY DOCUMENT	142	16,297	(16,155)
186-ACT	ADVISORY PANEL FOR WATER AND SANITATION FOR CHILD SURVIVAL	6,240	9,500	(3,260)
187-ACT	ZAIRE: SANRU (RURAL HEALTH) TRAINING PLAN	13,286	15,869	(2,583)
188-ACT	KENYA/RHUDO: SMALL TOWNS SHELTER AND COMMUNITY PROJECT	10,066	11,220	(1,154)
201-ACT	AFRICA BUREAU: WASH INITIATIVES	20,108		20,108
202-ACT	ASIA/NEAR EAST BUREAU: WASH INITIATIVES	8,241		8,241
203-ACT	LAC BUREAU: WASH INITIATIVES	11,540		11,540
204-ACT	COLLABORATION WITH NON-AID WSS&S RELATED ORGANIZATIONS IN US & OVERSEAS	21,851		21,851
205-ACT	WASH STAFF CONFERENCE PARTICIPATION	21,715		21,715
207-ACT	SUDAN: TOT/SANITATION WORKSHOP	36,958		36,958
209-ACT	MALAWI: TOT/HEALTH EDUCATION	79,120		79,120
211-ACT	PAPUA NEW GUINEA: EVALUATION OF RWS&S PROJECT	69,216		69,216
212-ACT	BRAZIL: DISASTER MITIGATION ASSESSMENT	9,781		9,781
213-ACT	SOLOMON ISLANDS: RWS&S PROJECT PLANNING ASSISTANCE	67,504		67,504
215-ACT	TUNISIA: RHUDO SANITATION UPGRADING PROJECT REVIEW.	8,327		8,327
217-ACT	LIBERIA: WATER SUPPLY FOR CUTTINGTON UNIVERSITY COLLEGE	13,945		13,945

NOTE: The approved costs shown in Section B does not include fee.

WASH II Semi-Annual Report
 Approved Costs Of Completed Activities
 As of September 27, 1986

SECTION B

<u>ACTIVITY NUMBER</u>	<u>ACTIVITY DESCRIPTION</u>	<u>FY86 APPROVED COST</u>	<u>FY85 APPROVED COST</u>	<u>FY86 CHANGE</u>
219-ACT	ZAIRE: NATIONAL RURAL WATER AND SANITATION PLANNING	66,019		66,019
221-ACT	ZAIRE: TRAINING OF TRAINERS - WORKSHOP I	33,053		33,053
232-ACT	ANE WATER/ WASTEWATER WORKSHOP	115		115
234-ACT	ANE WATER/ WASTEWATER COMMITTEE TECHNICAL SEMINARS	1,227		1,227
236-ACT	TECHNOLOGY TRANSFER FOR WATER AND SANITATION PROJECTS	5,289		5,289
237-ACT	SRI LANKA: FIRST MONITORING/EVALUATION OF WS&S PROJECT	70,247		70,247
238-ACT	BURKINA FASO: PREPARATION OF SOW FOR EVALUATION OF RWSS PROJECT	7,004		7,004
242-ACT	HONDURAS: DEVELOPMENT PROJECT EVALUATION FOR THE BAY ISLANDS	10,171		10,171
<i>Total For 93 Completed Activities:</i>		3,052,048	2,600,137	451,911

NOTE: The approved costs shown in Section B does not include fee.

WASH II Semi-Annual Report
Approved Costs Of Ongoing Activities
As of September 27, 1986

SECTION B

ACTIVITY NUMBER	ACTIVITY DESCRIPTION	FY86 APPROVED COST	FY85 APPROVED COST	FY86 CHANGE
116-ACT	DEVELOPMENT OF TRAINING GUIDE ON WELL IMPROVEMENT	43,630	63,630	(20,000)
119-ACT	GENERAL ADMINISTRATION	1,104,930	475,000	629,930
120-ACT	GENERAL TECHNICAL MANAGEMENT	416,965	174,000	242,965
123-ACT	PRELIMINARY ACTIVITY DEVELOPMENT	418,970	170,000	248,970
124-ACT	DEVELOPMENT OF TRAINING GUIDE ON COMMUNITY PARTICIPATION	62,811	47,891	14,920
129-ACT	PROVISION OF INFO SERVS TO AID & AID-RELATED ORGANIZATIONS	347,554	148,000	199,554
139-ACT	ASSISTANCE TO CARE FOR WS&S GUIDELINES	40,969	31,332	9,637
140-ACT	TARGETING RURAL WS&S PROGRAMS/GUINEA WORM ENDEMIC AREAS	25,340	16,878	8,462
146-ACT	DEV. OF GUIDELINES FOR ASSESSING INSTITUTIONAL EFFECTIVENESS	114,590	102,590	12,000
166-ACT	DETERMINANTS OF WILLINGNESS TO PAY FOR WATER SUPPLY	81,860	32,625	49,235
167-ACT	BURKINA FASO: EMERGENCY DAM AND SPILLWAY PROJECT	248,925	124,542	124,383
170-ACT	SWAZILAND: NATIONAL DECADE PLANNING	80,000	31,984	48,016
172-ACT	DOMINICAN REPUBLIC: RURAL WS&S PROJECT EVALUATION	19,202	19,300	(98)
180-ACT	WATER SUPPLY AS A STIMULUS TO PHC	64,162	56,942	7,220
185-ACT	DISTRIBUTION OF WATER BY VENDING.	81,988	75,000	6,988
189-ACT	BOTSWANA: RENEWABLE ENERGY TECHNOLOGY PROJECT	203,030	204,000	(970)
206-ACT	DEVELOPMENT OF MANAGEMENT	11,957		11,957

NOTE: The approved costs shown in Section B does not include fee.

WASH II Semi-Annual Report
 Approved Costs Of Ongoing Activities
 As of September 27, 1986

SECTION B

<u>ACTIVITY NUMBER</u>	<u>ACTIVITY DESCRIPTION</u>	<u>FY86 APPROVED COST</u>	<u>FY85 APPROVED COST</u>	<u>FY86 CHANGE</u>
	TRAINING COURSE			
208-ACT	DOMESTIC WATER SUPPLY AND SANITATION IN IRRIGATION PROJECTS	18,664		18,664
210-ACT	HONDURAS: WS&S PROJECT EVALUATION	49,456		49,456
214-ACT	MANAGING CHILDHOOD DEFECATION	33,096		33,096
216-ACT	SWAZILAND: WORKSHOP ON COMMUNITY PARTICIPATION	30,793		30,793
218-ACT	PRIVATIZATION AND O&M	46,733		46,733
220-ACT	OFDA LIAISON: EMERGENCY DISASTER ASSISTANCE	14,780		14,780
222-ACT	FINANCING METHODS AND COST RECOVERY STRATEGIES FOR WS&S PROGRAMS	9,500		9,500
223-ACT	DEVELOPMENT OF ADDITIONAL O&M ASSESSMENT GUIDES	24,426		24,426
224-ACT	ZAIRE: TRAINING OF COMMUNITY DEVELOPMENT WORKERS - SHABA WATER PROJECT	28,217		28,217
225-ACT	PERU: CARE WATER/ SANITATION PROJECT MANAGEMENT WORKSHOP	51,140		51,140
226-ACT	NEPAL: ASSISTANCE TO SAVE THE CHILDREN FOUNDATION PROJECT (PHASE II)	34,116		34,116
227-ACT	EL SALVADOR: ASSESSMENT OF HANDPUMP PROGRAM	27,589		27,589
228-ACT	BOLIVIA: OPERATIONS AND MAINTENANCE TRAINING	90,121		90,121
229-ACT	PLANNING FOR FAHO SYMPOSIUM ON INTEGRATING WS&S INTO PHC	39,780		39,780
230-ACT	RWANDA: RUHENGERI WATER RESOURCE STUDY	28,589		28,589
231-ACT	MEXICO: JUAREZ WATER SUPPLY	15,414		15,414

NOTE: The approved costs shown in Section B does not include fee.

WASH II Semi-Annual Report
 Approved Costs Of Ongoing Activities
 As of September 27, 1986

SECTION B

<u>ACTIVITY NUMBER</u>	<u>ACTIVITY DESCRIPTION</u>	<u>FY86 APPROVED COST</u>	<u>FY85 APPROVED COST</u>	<u>FY86 CHANGE</u>
	TECHNICAL ASSISTANCE			
233-ACT	TECHNICAL ASSISTANCE TO ATLANTA UNIV. AFRICAN WS&S SYMPOSIUM - MAY '87	7,956		7,956
235-ACT	MALAWI: PIPED WATER PROJECT EVALUATION	79,576		79,576
239-ACT	SRI LANKA: PROVISION OF INFORMATION SERVICES TO USAID/SRI LANKA	15,010		15,010
240-ACT	COST MANAGEMENT: COMPARATIVE PERFORMANCE IN WS&S SYSTEMS	33,417		33,417
241-ACT	JORDAN: PROGRAM FOR MONITORING GROUNDWATER	37,245		37,245
243-ACT	BURKINA FASO: FINAL EVALUATION OF RURAL WATER SUPPLY PROJECT	65,161		65,161
244-ACT	UGANDA : EMERGENCY WATER SUPPLY ASSESSMENT (OFDA)	66,478		66,478
245-ACT	ZAIRE: TRAINING OF TRAINERS - WORKSHOP II	41,200		41,200
246-ACT	SRI LANKA : O&M EFFICIENCY ASSESSMENT	69,643		69,643
247-ACT	OMAN: CAPITAL REGION SEPTAGE STUDY	35,200		35,200
248-ACT	OMAN: PREPARATION OF REVISED FEASIBILITY STUDY	46,450		46,450
249-ACT	ZAIRE: INFORMATION SYSTEM DESIGN FOR SANRU II PROJECT	11,873		11,873
250-ACT	PHILIPPINES: PROJECT PAPER ASSISTANCE ON RURAL WS&S	123,225		123,225
251-ACT	NEPAL: PROJECT START-UP WORKSHOP FOR IRRIGATION MANAGEMENT	15,000		15,000
252-ACT	SOLOMON ISLANDS : HURRICANE DISASTER ASSISTANCE	5,457		5,457

NOTE: The approved costs shown in Section B does not include fee.

WASH II Semi-Annual Report
 Approved Costs Of Ongoing Activities
 As of September 27, 1986

SECTION B

ACTIVITY NUMBER	ACTIVITY DESCRIPTION	FY86 APPROVED COST	FY85 APPROVED COST	FY86 CHANGE
253-ACT	SRI LANKA: NWSDB MANAGEMENT TRAINING PROGRAM	49,017		49,017
254-ACT	UGANDA: EMERGENCY WATER SUPPLY PROJECTS	31,600		31,600
255-ACT	JORDAN: REGIONAL CONFERENCE ON WASTEWATER REUSE	15,258		15,258
256-ACT	YEMAN: EVALUATION OF SMALL RURAL WATER SYSTEMS	64,871		64,871
257-ACT	MALAWI: WATER RESOURCES CONSULTATION	43,301		43,301
258-ACT	DRILLED WATER WELL REHABILITATION	18,163		18,163
259-ACT	DRILLING RIG SELECTION	11,265		11,265
260-ACT	BOLIVIA: OPERATION AND MAINTENANCE TRAINING	44,681		44,681
261-ACT	PREPARATION AND DISTRIBUTION OF WASH PROGRESS REPORT NO 10	15,356		15,356
262-ACT	LATIN AMERICA: EVALUTATION OF CRS/AID MATCHING GRANT	79,835		79,835
263-ACT	ESTIMATING O&M COSTS FOR WATER SUPPLY PROJECT	25,232		25,232
264-ACT	DJIBOUTI: PLAN FOR WASH TECHNICAL ASSISTANCE	30,287		30,287
265-ACT	LESSONS LEARNED FORM WASH FIELD ACTIVITIES ON HEALTH IMPACT	12,976		12,976
266-ACT	SOCIAL MARKETING FOR WS&S OBJECTIVES	20,740		20,740
267-ACT	GUIDELINES FOR FINANCIAL MANAGEMENT ASSESSMENT	23,500		23,500
268-ACT	DEVELOPMENT OF MODEL FOR PROJECT START-UPS	15,791		15,791
269-ACT	GUIDELINES TO IMPROVE PLANNING	14,458		14,458

NOTE: The approved costs shown in Section B does not include fee.

WASH II Semi-Annual Report
 Approved Costs Of Ongoing Activities
 As of September 27, 1986

SECTION B

<u>ACTIVITY NUMBER</u>	<u>ACTIVITY DESCRIPTION</u>	<u>FY86 APPROVED COST</u>	<u>FY85 APPROVED COST</u>	<u>FY86 CHANGE</u>
	AND IMPLEMENTATION OF WS&S PJ			
270-ACT	TRAINING: WASTEWATER TREATMENT SITE VISITS IN DC AREA: 1	3,340		3,340
<i>Total For 66 Ongoing Activities:</i>		5,081,859	1,773,714	3,308,145

NOTE: The approved costs shown in Section B does not include fee.

SECTION C

WASH II SIMI-ANNUAL REPORT
ADMINISTRATIVE STATUS AS OF
30 SEPTEMBER 1986

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

PERSONNEL

Key personnel - WASH Operations Center:

Director - Leo A. St. Michel
Deputy Director - Dennis B. Warner
Office Manager - Judy Yang
Associate Director for
Engineering and Technology - Ellis Turner
Associate Director for
Human Resources Development - Fred Rosensweig*
Associate Director for
Information Services - James E. Beverly*
Associate Director for
Environmental Health - May Yacoob*
Operations & Maintenance
Specialist - James K. Jordan
Librarian - Dan B. Campbell*

* Subcontractor employee

WASH II Project has completed 653.0 person-months distributed as follows:

Camp Dresser and McKee International Inc. (CDM)

Professional Staff	224.4	
Consultants	123.2	
Support Staff	<u>61.5</u>	
Total CDM		409.1

WASH Subcontractors (Subs)

Professional Staff	169.4	
Consultants	21.4	
Support Staff	<u>49.8</u>	
Total Subs		240.6

Foreign Country Nationals	<u>3.3</u>	<u>3.3</u>
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Total Level of Effort		653.0
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In addition, CDM has supplied 61.4 person-months of support through Temporary agencies.

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WASH. II SEMI-ANNUAL REPORT
 ADMINISTRATIVE STATUS AS OF
 AS OF SEPTEMBER 1986

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

TOTAL ESTIMATED COSTS 16,696,228
 FIXED FEE: 491,859
 TOTAL ESTIMATED COSTS
 PLUS FIXED FEE: 17,188,087

Cost Element	FY '86 CURRENT YEAR	TOTAL TO DATE	TOTAL BUDGETED	AMOUNT REMAINING

Salaries and Wages:				
International Division	365,122.17	832,089.29	2,457,299.00	1,413,757.08
Other Divisions	50,808.27	211,452.63		
Overhead:				
International Division @ 138.8	506,789.58	1,154,939.95	3,606,572.00	2,105,484.10
Other Division @ 163.7	83,173.14	346,147.95		
Consultants	460,026.26	886,321.54	1,701,915.00	815,593.46
Subcontracts	757,726.09	1,804,748.88	5,267,036.00	3,462,287.12
Travel & Transportation	379,112.15	852,166.45	2,115,487.00	1,263,320.55
Expendable Equipment	0.00	0.00	246,336.00	246,336.00
Non-Expendable Equipment	0.00	0.00		
Other Direct Costs	401,101.90	887,119.68	1,301,583.00	414,463.32
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Total Costs Incurred	3,003,859.56	6,974,986.37	16,696,228.00	9,721,241.63
Fixed Fee	101,076.00	232,660.69	491,859.00	259,198.31
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TOTAL COSTS PLUS FIXED FEE	3,104,935.56	7,207,647.06	17,188,087.00	9,980,439.94