

FD-ABL-618

WASH

**WATER AND SANITATION
FOR HEALTH PROJECT**

Sponsored by the U.S. Agency
for International Development

1988 ANNUAL WORK PLAN

SEPTEMBER 1987

Operated by CDM and Associates



WASH Operations Center
1611 N. Kent St., Room 1002
Arlington, Virginia 22209-2111 USA

**WATER AND SANITATION
FOR HEALTH PROJECT**

Operated by CDM Associates

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

Sponsored by the U.S. Agency
for International Development

30 September 1987

ACT 303

Dr. John H. Austin
ST/HEA
AID
Washington, D.C. 20523

Dear Dr. Austin:

In accordance with the terms of our contract no. DPE-5942-C-00-4085-00 effective 30 September 1984, we are pleased to submit the 1988 Annual Work Plan for the WASH II Project.

We wish to take this opportunity to thank your office for the support and guidance provided during the preparation of this document. We look forward to working with you to implement the activities presented herein.

Very truly yours,

Leo A. St. Michel
WASH Project Director

LASM/jm

cc: Judith Johnson, SER/CM/COD/PE

W A S H

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**Camp Dresser & McKee
International Inc.
Associates in Rural Development
International Science and
Technology Institute**

**Research Triangle Institute
Training Resources Group
University of North Carolina
at Chapel Hill**

WASH

FY 88 ANNUAL WORK PLAN

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SUMMARY

The WASH FY 1988 Annual Work Plan is divided into three sections and an annex. They consist of the following:

1. Operations Center Activities (Section I): These 11 activities are necessary for the technical management, information support, activity development, liaison, and administration of the WASH Project independent of the magnitude of specific activities and level of effort.
2. Follow-on of Phased Activities from FY 1986 and FY 1987 (Section II): There are six activities which are funded with FY 1988 monies as a planned follow-on phase to an activity that was initially funded with FY 1986 and FY 1987 monies.
3. New Activities (Section III): There are two sub-categories of new activities:
 - 18 activities are based on requests received from AID missions and bureaus. In addition, a reserve is set aside for anticipated future requests for technical assistance.
 - 20 new initiatives proposed by the WASH staff.
4. Annex: There are two categories in the annex:
 - Annex A -- FY 86 and FY 87 Continuing Activities. There are 69 continuing activities which were funded in FY 1986 and FY 1987 with 1986 and 1987 monies and which will require work during FY 1988.
 - Annex B -- Activities Awaiting Funding. The 34 activities awaiting funding include all mission requests, follow-on, and new initiatives which are on hold until additional funding sources can be identified.

Each section contains activity sheets detailing the preliminary objectives, schedule, and budget for each activity presented in that section. One exception is Annex A, which contains activity sheets only for those continuing activities that were initiated during the fourth quarter of FY 1987.

Sections I to III of the FY 88 Work Plan include a total of 55 activities with an estimated cost of \$2,987,500. This figure includes \$500,000 reserved for unknown future requests from missions and bureaus.

The total anticipated level of funding to cover these activities is to be derived from three sources: Bureau for Science & Technology (S&T) funds, anticipated FY 87 buy-ins, and S&T funds remaining from FY 87.

A summary of the source and use of funds is presented below:

SOURCE OF FUNDS		USE OF FUNDS	
<u>SOURCE</u>	<u>AMOUNT</u>	<u>ACTIVITY CATEGORY</u>	<u>AMOUNT</u>
		Section I:	
FY 88 S&T Funds	\$2,500,000	General Admin.	\$660,000
FY 87 Carry-over Funds	6,250	Technical Assistance	160,000
FY 88 Buy-ins (anticipated)	481,250	Activity Development	250,000
		Information Services	130,000
		Liaison/Coordination	110,000
		Section II:	
		Follow-on Activities	126,500
		Section III:	
		Mission Requests	631,500
		Reserve for New Requests	500,000
		New Initiatives	419,500
	_____		_____
TOTAL	\$2,987,500		\$2,987,500

The budget presented above compares with a FY 87 WASH budget of \$3,350,000, which included \$800,000 in anticipated buy-ins. It is expected that additional buy-ins during the course of FY 88 will increase the level of effort presented above.

Section I

OPERATIONS CENTER ACTIVITIES

Five categories were established during the second year of the WASH II Project to capture costs related to the administration, technical management, activity development, information services, and liaison activities required under the project. These activities are expected to be continued throughout the life of the project. A description of each activity and the anticipated FY 88 budget for it are presented below.

- A. **General Administration:** This general administration activity will provide overall coordination; professional, secretarial, and clerical support; administrative database management; office space and equipment; telecommunications and telephone equipment; document production facilities; mainframe computer usage; and consumable office supplies to support the WASH Project. The estimated budget for FY 1987 is \$660,000.
- B. **Technical Support:** The on-going technical support category includes all WASH Operations Center staff activities involving the delivery of technical services or products to AID which are not specifically authorized under other activities. These include general technical meetings, visitor briefings, routine project correspondence, document review, and other tasks of a technical nature necessary to support WASH activities. The estimated budget for FY 1988 is \$160,000.
- C. **Activity Development:** This activity will provide for time and expenses incurred by activity managers and appropriate contractor, subcontractor, and consultant staff in development of scopes of work for technical activities prior to the issuance of an authorized activity. This includes the preparation of Activity Sheets and draft Activity Implementation Plans, the development of scopes of work for all requests received from the AID Cognizant Technical Officer and the development of the annual work plan. The estimated budget for FY 1988 is \$250,000.

D. Information Support: This on-going activity provides for the management and operations of the WASH library and distribution center; acquiring and maintaining holdings; accessions and mailing lists; mailing reports; preparing special reports, searches, and synthesis documents; liaison with U.S. and foreign water supply and sanitation information agencies; preparing exhibits and briefing packages; and maintaining WS&S country information databases. The estimated budget for FY 1988 is \$130,000

E. Liaison and Coordination Activities: There are a total of six liaison and coordination activities proposed for 1988. These are continuations of similar activities initiated in FY 1985, FY 1986, and FY 1987. They include general liaison and coordination with AID and with other agencies and organizations. The estimated budget for FY 1988 is \$110,000.

F. Buy-in Preliminary Activity Development: This new activity will parallel 88003 Activity Development and will capture similar costs for all known or anticipated buy-ins from bureaus and missions. No S&T/H funds will be needed for this activity.

The Operations Center Activities titles and estimated costs are summarized as follows:

	ACT SHEET	TITLE	FY88 S&T/H COST	ANTICIPATED BUY-IN
A)	88001	General Administration	\$ 660,000	0
B)	88002	Technical Assistance	160,000	0
C)	88003	Activity Development	250,000	0
D)	88004	Information Services	130,000	0
E)		Liaison & Coordination		
	88005	AID: Africa Bureau Liaison	\$ 12,000	0
	88006	AID: ANE Bureau Liaison	12,000	0
	88007	AID: LAC Bureau Liaison	12,000	0
	88008	AID: Non-regional Bureaus	6,000	0
	88009	Collaboration with Non-AID Organizations	36,000	0
	88010	WASH Staff Conference Participation	<u>32,000</u>	0
		Total Liaison and Coordination Activities	<u>\$110,000</u>	0
F)	88011	Buy-in Preliminary Activity Development		<u>20,000</u>
		Total Operations Center Activities	\$1,310,000	20,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: ACT401

CODE: 88001

BUREAU: S&T
COUNTRY: USA
QUARTER: 1
DATE: BEGIN: 10/10/87
FIELD:
END: 09/30/88

ACTIVITY TITLE: General Administration - FY 1988

ACTIVITY MANAGER: St. Michel

ACTIVITY ORIGIN: ACT 301, Contract

AUDIENCE: S&T/H

LOCATION: Washington, DC & subcontractors' offices

OBJECTIVES: To perform those functions (salaries, supplies, leases, etc.) necessary to administratively operate the WASH II Project.

SCHEDULE/PLAN: Provide administration and support as needed by the WASH II Project throughout FY 1988.

SKILLS REQUIRED:

PERSONNEL: WOC staff, subcontractors' staffs

FOLLOW-UP:

S&T CONTACT: J.H. Austin

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 1622/1622

APPROVED BY: _____

FY88 COST: 660,000
TOTAL COST: 660,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: ACT402

CODE: 88002

BUREAU: S&T
COUNTRY: USA
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 09/30/88

ACTIVITY TITLE: General Technical Assistance

ACTIVITY MANAGER: St. Michel

ACTIVITY ORIGIN: ACT 302, Contract

AUDIENCE: USAID

LOCATION: Wash, DC and subcontractors' office

OBJECTIVES: To provide general overall technical management to the operation of the WASH II Project.

SCHEDULE/PLAN: Perform all necessary general technical functions as needed by USAID and the Project.

SKILLS REQUIRED:

PERSONNEL: WOC staff, subcontractors' staff

FOLLOW-UP:

S&T CONTACT: J.H. Austin

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 318/318

APPROVED BY: _____

FY88 COST: 160,000
TOTAL COST: 160,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: ACT403

CODE: 88003

BUREAU: S&T
COUNTRY: USA
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 09/30/88

ACTIVITY TITLE: Preliminary Activity Development

ACTIVITY MANAGER: St. Michel

ACTIVITY ORIGIN: ACT 303, Contract

AUDIENCE: USAID

LOCATION: Washington, DC

OBJECTIVES: Develop preliminary scopes of work at the request of S&T/H to be used for upcoming activities.

SCHEDULE/PLAN: 1) As needed by S&T/H. 2) Prepare FY 1988 Annual Plan Updates. 3) Prepare Annual Plan for FY 1989.

SKILLS REQUIRED:

PERSONNEL: WOC staff

FOLLOW-UP:

S&T CONTACT: J.H. Austin

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 346/346

APPROVED BY: _____

FY88 COST: 250,000
TOTAL COST: 250,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: ACT404

CODE: 88004

BUREAU: S&T

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/01/87

FIELD: / /

END: 09/30/88

ACTIVITY TITLE: Information Services

ACTIVITY MANAGER: St. Michel

ACTIVITY ORIGIN: ACT 304, Contract

AUDIENCE: Worldwide

LOCATION: Washington, DC

OBJECTIVES: Provide AID and AID assisted/related organizations with relevant information in the WS&S sector, WASH activities, and other topics as requested by AID.

SCHEDULE/PLAN: This is a continuous service activity.

SKILLS REQUIRED: Librarian and Information Science

PERSONNEL: Dan Campbell, qualified consultants as required

FOLLOW-UP: WASH library to be turned over to AID at conclusion of the contract.

S&T CONTACT: J.H. Austin

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 588/588

APPROVED BY: _____

FY88 COST: 130,000
TOTAL COST: 130,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: ACT405

CODE: 88005

BUREAU: AFR

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/01/87

FIELD: To be determined

END: 09/30/88

ACTIVITY TITLE: AID: Africa Bureau Liaison

ACTIVITY MANAGER: Hafner

ACTIVITY ORIGIN: ACT 305

AUDIENCE: Africa Bureau and associated missions

LOCATION: Washington, DC and related missions

OBJECTIVES: 1) To identify Bureau and Mission needs in WS&S sector.
2) To inform Bureau and Mission officials of WASH resources. 3) To formulate preliminary WASH responses to Bureau and Mission needs. 4) To obtain information for WASH Annual Plan

SCHEDULE/PLAN: 1) Continuous contacts with Bureau officials. 2) Visits to selected missions to identify and formulate potential WASH assistance (October 1987 - September 1988).

SKILLS REQUIRED:

PERSONNEL: WOC professional staff

FOLLOW-UP: Subsequent Activities for WASH assistance

S&T CONTACT: J.H. Austin

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 19/19

APPROVED BY: _____

FY88 COST: 12,000
TOTAL COST: 12,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: ACT406

CODE: 88006

BUREAU: ANE

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/01/87

FIELD: To be determined

END: 09/30/88

ACTIVITY TITLE: AID: Asia/Near East Bureau Liaison

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: ACT 306

AUDIENCE: Asia/NE Bureau and associated missions

LOCATION: Washington, DC and related missions

OBJECTIVES:
1) Identify Bureau and Mission needs in the WS&S sector.
2) Inform Bureau and Mission officials of WASH resources.
3) Formulate preliminary WASH responses to Bureau and Mission needs. 4) Obtain information for WASH Annual Plan.

SCHEDULE/PLAN:
1) Continuous contacts with Bureau officials. 2) Visits to selected missions to identify and formulate potential WASH assistance (October 1987 - September 1988).

SKILLS REQUIRED:

PERSONNEL: WOC professional staff

FOLLOW-UP: Subsequent Activities for WASH assistance

S&T CONTACT: J.H. Austin

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 19/19

APPROVED BY: _____

FY88 COST: 12,000
TOTAL COST: 12,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: ACT407

CODE: 88007

BUREAU: LAC

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/01/87

FIELD: To be determined

END: 09/30/88

ACTIVITY TITLE: AID: Latin America/Caribbean Bureau Liaison

ACTIVITY MANAGER: Turner

ACTIVITY ORIGIN: ACT 307

AUDIENCE: LAC Bureau and associated missions

LOCATION: Washington, DC and related missions

OBJECTIVES: 1) To identify Bureau and Mission needs in WS&S sector.
2) To inform Bureau and Mission officials of WASH resources. 3) To formulate preliminary WASH responses to Bureau and Mission needs. 4) To obtain information for WASH Annual Plan.

SCHEDULE/PLAN: 1) Continuous contacts with Bureau officials. 2) Visits to selected missions to identify and formulate potential WASH assistance (October 1987 - September 1988).

SKILLS REQUIRED:

PERSONNEL: WOC professional staff

FOLLOW-UP: Subsequent Activities for WASH

S&T CONTACT: J.H. Austin

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 19/19

APPROVED BY: _____

FY88 COST: 12,000
TOTAL COST: 12,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: ACT408

CODE: 88008

BUREAU: PPC

COUNTRY:

QUARTER: 0

DATE: BEGIN: 10/01/87

FIELD:

END: 09/30/88

ACTIVITY TITLE: Liaison with Non-Regional Bureaus

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: ACT 308

AUDIENCE: PPC, PVO, PRE staff

LOCATION: Washington, D.C.

OBJECTIVES: 1) Provide technical input to non-regional bureau documents relating to WSS. 2) Assist in the method of developing field reference guides.

SCHEDULE/PLAN: Periodic contacts with PPC staff.

SKILLS REQUIRED:

PERSONNEL: WOC professional staff

FOLLOW-UP:

S&T CONTACT: J.H. Austin

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 10/10

APPROVED BY: _____

FY88 COST: 6,000
TOTAL COST: 6,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: ACT409

CODE: 88009

BUREAU: S&T

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/01/87

FIELD: / /

END: 09/30/88

ACTIVITY TITLE: Collaboration with Non-AID Organizations

ACTIVITY MANAGER: Campbell

ACTIVITY ORIGIN: ACT 309, Contract

AUDIENCE: International Development Community

LOCATION: Worldwide

OBJECTIVES: Establish & maintain working relationships, collaborative efforts & info exchange w/non-AID organizations working on WS&S sector: PVOs, multi-lateral & bilateral organizations, international organizations, LDC agencies, private sector organizations, etc.

SCHEDULE/PLAN: 1) Develop list of key organizations and individuals to contact. 2) Meet with organizations and develop potential scope of work for WASH collaboration.

SKILLS REQUIRED: Knowledge of WASH, WS&S sector, international relations and development

PERSONNEL: WASH professional staff and qualified consultants

FOLLOW-UP: Mutual benefit in planning, implementing, and evaluating WS&S projects

S&T CONTACT: J.H. Austin

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 37/37

APPROVED BY: _____

FY88 COST: 36,000
TOTAL COST: 36,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: ACT410

CODE: 88010

BUREAU: S&T

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/08/87

FIELD: To be determined

END: 09/30/88

ACTIVITY TITLE: WASH Staff Conference Participation

ACTIVITY MANAGER: St. Michel

ACTIVITY ORIGIN: ACT 310, S&T/H

AUDIENCE: International Development Community

LOCATION: U.S. and overseas

OBJECTIVES: 1) To participate as a presenter and/or participant in professional conferences. 2) To make contacts within the development community in promoting water/sanitation.

SCHEDULE/PLAN: 1) FY 1988 1st quarter - 4 conf/pro meetings (1 overseas, 3 U.S.). 2) 2nd quarter - 4 conf/pro meetings (1 overseas, 3 U.S.). 3) 3rd quarter - 4 conf/pro meetings (1 overseas, 3 U.S.). 4) 4th quarter - 4 conf/pro meetings (1 overseas, 3 U.S.).

SKILLS REQUIRED: Engineers, social scientists, public health specialists, trainers, information specialists

PERSONNEL: WASH technical staff

FOLLOW-UP: None

S&T CONTACT: J.H. Austin

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 34/34

APPROVED BY: _____

FY88 COST: 32,000
TOTAL COST: 32,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88011

BUREAU: S&T

COUNTRY:

QUARTER:

DATE: BEGIN: 10/01/87

FIELD:

END: 09/30/88

ACTIVITY TITLE: Buy-in Preliminary Activity Development

ACTIVITY MANAGER: Hafner

ACTIVITY ORIGIN: Discussions with S&T/Health

AUDIENCE: S&T/Health

LOCATION: Washington, D.C.

OBJECTIVES: To capture costs of the preliminary development of activities of known bureau and mission buy-ins at the request of S&T/Health.

SCHEDULE/PLAN: As needed by S&T/H.

SKILLS REQUIRED: Develop and write scopes of work on activities.

PERSONNEL: WOC and subcontractor staff

FOLLOW-UP:

S&T CONTACT: J.H. Austin

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 40/40

APPROVED BY: _____

FY88 COST: 20,000
TOTAL COST: 20,000

DATE: _____

FY88 BUYIN: 20,000

Section II

FOLLOW-ON OF PHASED ACTIVITIES FROM FY 86 AND FY 87

Some phased activities that were initially funded in FY 86 and FY 87 are also funded with FY 1988 monies for planned follow-on activities. This section contains six requests totalling \$126,500.

A. Mission and Bureau Requests

<u>CODE NUMBER</u>	<u>ACTIVITY NUMBER</u>	<u>TITLE</u>	<u>FY 88 COST</u>
88012	ACT 378	Solomon Islands: Development of WS Action Plan	35,000
			<hr/>
			\$35,000

B. Other Requests

<u>CODE NUMBER</u>	<u>ACTIVITY NUMBER</u>	<u>TITLE</u>	<u>FY 88 COST</u>
88013	ACT 263	Field Test of O&M Cost Estimating Handbook	34,000
88014	ACT 214	Integrating Women's Participation in Hygiene Education Program in Muslim Communities	18,000
88015	ACT 343	Peace Corps: Improving W&S Programming	15,000
88016	ACT 321	Rainwater Harvesting Information Network	7,500
88017	ACT 339	Guinea Worm Information Network	17,000
			<hr/>
		SUBTOTAL	\$ 91,500
		TOTAL	\$126,500

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88012

BUREAU: ANE
COUNTRY: Solomon Islands
QUARTER: 2
DATE: BEGIN: 01/15/88
FIELD: 01/88 - 03/88
END: 06/30/88

ACTIVITY TITLE: SOLOMON ISLANDS: Development of WS Action Plan

ACTIVITY MANAGER: Jordan

ACTIVITY ORIGIN: Suva 2802

AUDIENCE: SIG; USAID/Suva

LOCATION: Solomon Islands

OBJECTIVES: Assist the DOH of the SIG develop a national action plan for constructing and maintaining rural water systems.

SCHEDULE/PLAN: Field trip: January - March, 1988

SKILLS REQUIRED: Engineer with community participation experience

PERSONNEL: TBD

FOLLOW-UP: None Planned

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 55/55

APPROVED BY: _____

FY88 COST: 35,000
TOTAL COST: 35,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 68013

BUREAU: S&T
COUNTRY: TBD
QUARTER: 0
DATE: BEGIN:
FIELD:
END:

ACTIVITY TITLE: Field Test of O&M Cost Estimating Handbook

ACTIVITY MANAGER: Jordan

ACTIVITY ORIGIN: ACT 263, Discussion with WASH Staff

AUDIENCE: Water Supply System Project Managers and Designers

LOCATION: Wash, D.C.; North Carolina; LDC Sites

OBJECTIVES: To field test the O&M Cost Estimating Handbook in two LDC locations. By collecting actual O&M data, analyzing it, and comparing it to results from the Handbook, these procedures can be evaluated and improved.

SCHEDULE/PLAN: 1) Identify field test sites -- Colombia, Ivory Coast, Philippines & Sri Lanka are possible sites; 2) Conduct field visits to collect & analyze O&M cost data; 3) Revise & disseminate improved Handbook; 4) Recommend O&M cost reduction for utilities.

SKILLS REQUIRED: Engineering, O&M, Financial Analysis

PERSONNEL: Alan Wyatt, RTI; Stephen Pereira, RTI

FOLLOW-UP: Wider Dissemination of Cost Estimation Handbook

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 60/60

APPROVED BY: _____

FY88 COST: 34,000
TOTAL COST: 34,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88014

BUREAU: AFR
COUNTRY: Kenya
QUARTER: 1
DATE: BEGIN: 11,01/87
FIELD: May 1988
END: 08/31/88

ACTIVITY TITLE: Integrating Women's Participation in Hygiene Education Programs in Muslim Communities

ACTIVITY MANAGER: Yacoob

ACTIVITY ORIGIN: University of North Carolina, Karen Shelley

AUDIENCE: PVOs and Project Planners for USAID

LOCATION: Kenya, Kwale District

OBJECTIVES: The project will identify ways women in Muslim communities in Africa can provide culturally appropriate & effective assistance in planning hygiene education components designed to influence the health behaviors of child caretakers in household settings.

SCHEDULE/PLAN: 1) Identify cooperating agencies in-country, prepare conceptual statement and methodology, contact SIDA and KWAHO; 2) Develop field tools; 3) Field component; 4) Prepare report.

SKILLS REQUIRED: Anthropologist and field assistant

PERSONNEL: Karen Shelley

FOLLOW-UP: Workshop for PVOs

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 54/54

APPROVED BY: _____

FY88 COST: 18,000
TOTAL COST: 18,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88015

BUREAU: S&T
COUNTRY:
QUARTER: 3
DATE: BEGIN: 04/01/88
FIELD:
END: 09/30/88

ACTIVITY TITLE: Peace Corps: Improving Water and Sanitation Programming

ACTIVITY MANAGER: Hafner

ACTIVITY ORIGIN: ACT 314, ACT 343

AUDIENCE: Peace Corps Staff

LOCATION: Washington, D.C.

OBJECTIVES: WASH to provide a variety of program strengthening activities to OTAPS staff including TPM training, assessment/redesign consultancies, and staff training material critiques.

SCHEDULE/PLAN: February-September 1988 on-going activities.

SKILLS REQUIRED: Trainer, Water/Sanitation Specialists

PERSONNEL: David Yohalem, Fred Rosensweig, Craig Hafner, TRG Staff

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 30/30

APPROVED BY: _____

FY88 COST: 15,000
TOTAL COST: 15,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88016

BUREAU: ALL
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 09/30/88

ACTIVITY TITLE: Rainwater Harvesting Information Network

ACTIVITY MANAGER: Hafner

ACTIVITY ORIGIN: WASH I Evaluation, ACT 321

AUDIENCE: World-wide - AID, PC & LDC organizations

LOCATION:

OBJECTIVES: Prepare WASH tech report & distribute; quarterly info dissemination to Rainwater organiz.; Obtain WB slide-tape presentation; Prepare list of rainwater harvesting projects/subproj.; Participate in wrkshps/seminars; List of RWH specialists; Liaison w/IRHC

SCHEDULE/PLAN:

SKILLS REQUIRED:

PERSONNEL: C. Hafner; D. Campbell

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 30/30

APPROVED BY: _____

FY88 COST: 7,500
TOTAL COST: 7,500

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 88017

BUREAU: S&T
COUNTRY: Worldwide
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 09/30/88

ACTIVITY TITLE: Guinea Worm Information Network

ACTIVITY MANAGER: Hafner

ACTIVITY ORIGIN: S&T/H, ACT 339

AUDIENCE: AID, PVOs, P.C.

LOCATION: WASH Operation Center

OBJECTIVES: To provide information to AID, interested agencies and developmental organizations on guinea worm articles, specialists, control projects, project guidelines.

SCHEDULE/PLAN: Maintain data base

SKILLS REQUIRED: Knowledge of Guinea Worm

PERSONNEL: John Paul, RTI, Dan Campbell, Craig Hafner, May Yacoob, Dennis Warner, Ellis Turner

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 30/30

APPROVED BY: _____

FY88 COST: 17,000
TOTAL COST: 17,000

DATE: _____

FY88 BUYIN: 0

Section III

NEW ACTIVITIES

There are two parts to this section: Mission/bureau requests and other requests.

Mission and bureau requests are activities based on direct requests from AID missions and bureaus. Many of these activities are the result of a cable from S&T/H to AID bureaus requesting their input to this annual work plan. The requested activities contained in this plan have been reviewed and approved on a preliminary basis by S&T/H. A budget has also been provided for as-yet unidentified future mission and bureau requests and disaster assistance efforts.

Other requests are the new initiatives proposed by WASH, which are intended to facilitate the achievement of AID's objectives in the areas of health, institutional and human resource development, engineering, financial management, and operations and maintenance within the water supply and sanitation sector.

A) Mission and Bureau Requests

This work plan includes 18 activities from missions and bureaus with a total estimated budget of \$631,500 of which \$481,250 are buy-ins. The plan is based on direct cabled or written requests from AID missions and bureaus. Prior to implementation, WASH staff will work with AID to fully define the scope of work and budget for these activities.

Unidentified Future Requests

In addition to the mission and bureau requests mentioned above, a budget of \$500,000 has been reserved for additional unidentified future requests for WASH assistance from AID missions and bureaus during FY 1988. This estimate is based on a review of requests received in FY 1987. Requests received and approved by S&T/H will be detailed in quarterly updates of this work plan.

Section III

A) Mission and Bureau Requests

CODE	TITLE	FY 88 COST	ANTICIPATED BUY-IN
88018	ZAIRE: Review of SANRU II WS&S Training PLAN	18,000	0
88019	BOLIVIA: Assessment of Institutional Capacity to Handle O&M	40,000	0
88020	WESTERN SOMOA: Feasibility Study for WS Systems	33,000	0
88021	DOMINICAN REPUBLIC: Mid-term Evaluation-CARE WS Project	25,000	0
88022	SUDAN: Evaluation of CARE WS&S Program	23,000	0
88023	BENIN: Project Monitoring Workshop	15,000	7,500
88024	MALAWI: TA to MASH Program	16,500	16,500
88025	MALAWI: Manpower Needs Assessment for MASH Program Activities	26,000	26,000
88026	MALAWI: Willingness to Pay for O&M Services for Community Water Supplies	40,000	40,000
88027	DJIBOUTI: Training of Trainers in Community Education	35,000	35,000
88028	DJIBOUTI: Socio-cultural Training Study	35,000	35,000
88029	DJIBOUTI: Development of Community Education Training Materials	40,000	40,000
88030	TOGO: RWSS Project Evaluation	50,000	50,000
88031	SRI LANKA: Monitoring/Evaluation of WS&S Sector Project (Year 3)	55,000	55,000
88032	SRI LANKA: Periodic Technical Assistance (Year 3)	55,000	55,000
88033	PERU: Progress Evaluation of Rural Water Systems and Environmental Sanitation Project	80,000	80,000
88034	SWAZILAND: Community Participation Workshop	15,000	11,250
88035	SWAZILAND: Decade Sectoral Planning	30,000	30,000
		<hr/>	<hr/>
	SUBTOTAL	\$631,500	\$481,250
	Unidentified Future Requests	500,000	
		<hr/>	<hr/>
	TOTAL	\$1,131,500	\$481,250

Section III

B) Other Requests

A total of 20 new initiatives with a total estimated budget of \$419,500 are proposed by WASH for FY 1988. These initiatives were developed by CDM and its subcontractors in close consultation and collaboration with AID and other organizations active in the water and sanitation sector. Approximately 50 new initiatives were developed for consideration over a period of several months. The following were determined to be of highest priority:

Other Requests:

CODE	TITLE	FY 88 COST
88036	Strategy for Developing Training Capability in a WS&S Institution	25,000
88037	Guidelines for Counterpart Training	21,000
88038	Development of Training Guide on Hygiene Education	50,000
88039	Development of Training Materials for O&M Management in LDC's	25,000
88040	Implementing Effective Water Supply Maintenance Programs in Rural Communities	30,000
88041	Water Billing Software Development	7,500
88042	Field Test of Financial Management Assessment and Cost Management Guidelines	20,000
88043	Cost Indices of WS&S Projects	20,000
88044	Institutional Roles in Privatization of WS&S Sector	18,000
88045	WASH TECH Pak: Guidelines to Integrating CP and Health Education in WS&S Projects	25,000
88046	Project Redirection Guidelines	15,000
88047	Training Video on Lessons from Togo	5,000
88048	WSS Linkages to Child Survival Activities	8,000

88049	Sustained C.P.: Identification and Use of Existing Committees	8,000
88050	KAP Guidelines for WS&S	19,000
88051	Guinea Worm Workshop for National Planning	30,000
88052	Providing Assistance to NGO/PVOs in the WS&S Sector	15,000
88053	Pump Selection Manual Field Testing	33,000
88054	Survey of Rural Water Quality Standards	15,000
88055	Hazardous Material Management	20,000
		<hr/>
	TOTAL:	\$419,500

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88018

BUREAU: AFR
COUNTRY: Zaire
QUARTER: 4
DATE: BEGIN: 10/01/87
FIELD: 11/01/87 - 12/01/87
END: 01/31/88

ACTIVITY TITLE: ZAIRE: Review of SANRU II WS&S Training Plan

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: Activity 187; Kinshasa 09172 (1986)

AUDIENCE:

LOCATION: Kinshasa, Zaire

OBJECTIVES: 1) Review the implementation of the training plan; 2) Make recommendations for any modifications in the plan; 3) Suggest next steps in SANRU II WS&S training.

SCHEDULE/PLAN: 1) Review WASH reports from training activities; 2) Field visits - interviews; 3) Planning for future activities.

SKILLS REQUIRED: Training systems development

PERSONNEL: Fred Rosensweig

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 35/35

APPROVED BY: _____

FY88 COST: 18,000
TOTAL COST: 18,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88019

BUREAU: LAC
COUNTRY: Bolivia
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD: October 1987
END: 01/15/88

ACTIVITY TITLE: BOLIVIA: Assessment of Institutional Capacity to Handle O&M

ACTIVITY MANAGER: Jordan

ACTIVITY ORIGIN: La Paz 18936

AUDIENCE: AID Mission, PVOs, GOB

LOCATION: La Paz, Bolivia

OBJECTIVES: Assess the capability of DSA to act as coordinating arm for O&M activities at the rural level

SCHEDULE/PLAN: Field Visit - October, 1987

SKILLS REQUIRED: Expert in Institutional Assessment; Sanitary Engineer

PERSONNEL:

FOLLOW-UP: None planned

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 65/65

APPROVED BY: _____

FY88 COST: 40,000
TOTAL COST: 40,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88020

BUREAU: ANE
COUNTRY: Western Somoa
QUARTER: 2
DATE: BEGIN: 01/15/88
FIELD: 01/88 - 02/88
END: 05/31/88

ACTIVITY TITLE: WESTERN SOMOA: Feasibility Study for WS Systems

ACTIVITY MANAGER: Jordan

ACTIVITY ORIGIN: Suva 2802

AUDIENCE: WSG; USAID/Suva

LOCATION: Western Somoa

OBJECTIVES: Determine feasibility of using Sili River tributaries as sources for gravity WS systems and costs associated with this project

SCHEDULE/PLAN: Field trip : January - February, 1988

SKILLS REQUIRED: Sanitary engineer

PERSONNEL: TBD

FOLLOW-UP: None planned

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 33/33

APPROVED BY: _____

FY88 COST: 33,000
TOTAL COST: 33,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88021

BUREAU: LAC
COUNTRY: Dominican Republic
QUARTER: 2
DATE: BEGIN: 01/01/88
FIELD: 02/88
END: 04/30/88

ACTIVITY TITLE: DOMINICAN REPUBLIC: Mid-term Evaluation - CARE WS Project

ACTIVITY MANAGER: Jordan

ACTIVITY ORIGIN: Santo Domingo 6159

AUDIENCE: CARE; USAID/SD; GODR

LOCATION: Dominican Republic

OBJECTIVES: WASH will undertake a mid-term evaluation of the CARE Rural Water Supply Project.

SCHEDULE/PLAN: Field Trip: February, 1988

SKILLS REQUIRED: Sanitary engineer; Social Scientist

PERSONNEL: TBD

FOLLOW-UP: None planned

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 32/32

APPROVED BY: _____

FY88 COST: 25,000
TOTAL COST: 25,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88022

BUREAU: AFR
COUNTRY: Sudan
QUARTER: 1
DATE: BEGIN: 09/01/87
FIELD: 09/29 - 10/23/87
END: 01/31/88

ACTIVITY TITLE: SUDAN: Evaluation of CARE WS&S Program

ACTIVITY MANAGER: Hafner

ACTIVITY ORIGIN: Letter from CARE - April 10, 1987, Khartoum 8596 7/16/87

AUDIENCE: USAID Mission, CARE/Sudan, AFR Bureau

LOCATION: Sudan

OBJECTIVES: (1) Evaluate the Interim Water Supply and Management Project. (2) Review the draft project proposal for the Kordofan Region.

SCHEDULE/PLAN: 1) 4 weeks in field for evaluation and assessment of proposal; 2) Prepare report.

SKILLS REQUIRED: Sanitary engineer with experience in rural Africa -- especially water harvesting

PERSONNEL: Rick McGowan

FOLLOW-UP: TBD

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 45/45

APPROVED BY: _____

FY88 COST: 23,000
TOTAL COST: 23,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88023

BUREAU: AFR
COUNTRY: Benin
QUARTER: 3
DATE: BEGIN: 04/01/88
FIELD: 05/01/88
END: 07/30/88

ACTIVITY TITLE: BENIN: Project Monitoring Workshop

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: Lome 3365

AUDIENCE: USAID/Benin and Benin Rural Water Project

LOCATION: Benin

OBJECTIVES: Design and deliver an annual planning workshop for Benin Rural Water Project.

SCHEDULE/PLAN: 1) Design workshop; 2) Deliver workshop; 3) Write report.

SKILLS REQUIRED: Trainer

PERSONNEL: Lee Jennings

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 25/25

APPROVED BY: _____

FY88 COST: 15,000
TOTAL COST: 15,000

DATE: _____

FY88 BUYIN: 7,500

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88024

BUREAU: AFR
COUNTRY: Malawi
QUARTER: 4
DATE: BEGIN: 11/15/87
FIELD:
END: 03/31/88

ACTIVITY TITLE: MALAWI: TA to MASH Program

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: Telecon with Charles Gurney, USAID/Malawi, 8/24/87

AUDIENCE: USAID/Malawi

LOCATION: Lilongwe, Malawi

OBJECTIVES: To assist USAID/Malawi in making final revisions to MASH program documentation.

SCHEDULE/PLAN: Visit to Lilongwe to assist in drafting final technical sections on WSS for PAAD document.

SKILLS REQUIRED: Water and Sanitation Planner

PERSONNEL: Dennis B. Warner

FOLLOW-UP: Several consultancies described in the MASH proposal.

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 17/17

APPROVED BY: _____

FY88 COST: 16,500
TOTAL COST: 16,500

DATE: _____

FY88 BUYIN: 16,500

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88025

BUREAU: AFR
COUNTRY: Malawi
QUARTER: 2
DATE: BEGIN: 01/01/88
FIELD:
END: 06/30/88

ACTIVITY TITLE: MALAWI: Manpower Needs Assessment for MASH Program Activities

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: Malawi MASH Planning, Feb-Mar 1987

AUDIENCE: USAID/Malawi, Ministry of Works and Supplies (MOWS),
Ministry of Health (MOH)

LOCATION: Lilongwe, Malawi

OBJECTIVES: To assess the staff expansion needs in both the MOWS and MOH necessary to support the MASH program for rural piped water supply, hygiene education, and sanitation

SCHEDULE/PLAN: 2nd quarter - Field visit for 2-3 weeks to assess manpower needs and recommend staff increases in the MOWS and MOH.

SKILLS REQUIRED: Manpower assessment background, knowledge of WSS organizational needs

PERSONNEL: Consultants R. Gearheart and/or D. Yohalem

FOLLOW-UP: To be determined

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 40/40

APPROVED BY: _____

FY88 COST: 26,000
TOTAL COST: 26,000

DATE: _____

FY88 BUYIN: 26,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88026

BUREAU: AFR
COUNTRY: Malawi
QUARTER: 3
DATE: BEGIN: 01/01/88
FIELD:
END: 09/30/88

ACTIVITY TITLE: MALAWI: Willingness to Pay for O&M Services for
Community Water Supplies

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: Malawi MASH Planning, February-March 1987

AUDIENCE: USAID/Malawi

LOCATION: Malawi

OBJECTIVES: To carry out a study in Malawi of the WTP for operation
and maintenance on the USAID-financed rural piped water
projects. This information will be used to ensure the
sustainability of the projects.

SCHEDULE/PLAN: 3rd quarter - Initial reconnaissance visit to Malawi to
organize local support and select sites; 4th quarter -
Field study, data analysis, and report preparation

SKILLS REQUIRED: economist, WSS expert, field survey researcher

PERSONNEL: Dale Whittington, UNC

FOLLOW-UP: None

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 100/100

APPROVED BY: _____

FY88 COST: 40,000
TOTAL COST: 40,000

DATE: _____

FY88 BUYIN: 40,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88027

BUREAU: AFR
COUNTRY: Djibouti
QUARTER: 1
DATE: BEGIN: 02/01/88
FIELD: March 1988
END: 06/30/88

ACTIVITY TITLE: DJIBOUTI: Training of Trainers in Community Education

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: ACT 264, ACT 320, Djibouti 1752, Djibouti 1121

AUDIENCE: Health educators in MOH

LOCATION: Djibouti

OBJECTIVES: Train health educators to work with households in hygiene education.

SCHEDULE/PLAN: 1) Design TOT. 2) Deliver TOT.

SKILLS REQUIRED: Health educator, trainer

PERSONNEL:

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 60/60

APPROVED BY: _____

FY88 COST: 35,000
TOTAL COST: 35,000

DATE: _____

FY88 BUYIN: 35,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88028

BUREAU: AFR
COUNTRY: Djibouti
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD: November 1987
END: 12/31/87

ACTIVITY TITLE: DJIBOUTI: Sociocultural Training Study

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: USAID/Djibouti 1752, 31 May 1987

AUDIENCE: Government of Djibouti, USAID/Djibouti

LOCATION: Djibouti, Djibouti

OBJECTIVES: To carry out a sociocultural training study in the low income areas of Djibouti city which will include: 1) KAP of household sanitation practices; 2) WTP for household sanitation improvements; and 3) Training of GOD personnel for future studies.

SCHEDULE/PLAN: Oct. 1987 - Preliminary design of study materials; Nov 1987 - Field visit to Djibouti; Dec 1987 - Submit report to Mission.

SKILLS REQUIRED: Social scientist familiar with KAP studies, Economist/engineer familiar with WTP studies

PERSONNEL: May Yacoob (WOC); Dale Whittington (UNC)

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 50/50

APPROVED BY: _____

FY88 COST: 35,000
TOTAL COST: 35,000

DATE: _____

FY88 BUYIN: 35,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88029

BUREAU: AFR
COUNTRY: Djibouti
QUARTER: 1
DATE: BEGIN: 12/01/87
FIELD: January 1987
END: 04/30/88

ACTIVITY TITLE: DJIBOUTI: Development of Community Education Training Materials

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: ACT 264, ACT 320, Djibouti 1752, Djibouti 1121

AUDIENCE: Health educators from MOH

LOCATION: Djibouti

OBJECTIVES: Develop training materials for community education in hygiene education.

SCHEDULE/PLAN: 1) Based on socio-cultural study, design basic course on hygiene education for households. 2) Write training guide. 3) Pilot test. 4) Revise.

SKILLS REQUIRED: Health educator, training specialist

PERSONNEL:

FOLLOW-UP: TOT in use of the training materials

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 60/60

APPROVED BY: _____

FY88 COST: 40,000
TOTAL COST: 40,000

DATE: _____

FY88 BUYIN: 40,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88030

BUREAU: AFR
COUNTRY: Togo
QUARTER: 1
DATE: BEGIN: 10/05/87
FIELD: Nov-Dec 1987
END: 02/28/88

ACTIVITY TITLE: TOGO: RWSS Project Evaluation

ACTIVITY MANAGER: Hafner

ACTIVITY ORIGIN: Lome 2848, dated May 14, 1987; Lome 4763, dated August 14, 1987

AUDIENCE: AID

LOCATION: Togo

OBJECTIVES: WASH to provide two person evaluation team composed of one WS&S specialist and one health education/community development specialist for RWSSP terminal evaluation.

SCHEDULE/PLAN: Nov 1-7 - Review past evaluations and design framework for final evaluation; Nov. 8 - Dec. 4 - Participate in the evaluation.

SKILLS REQUIRED: WS&S specialist; Health education/community development specialist.

PERSONNEL: Phil Rcarck; Dr. May Yacoob

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 80/80

APPROVED BY: _____

FY88 COST: 50,000
TOTAL COST: 50,000

DATE: _____

FY88 BUYIN: 50,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88031

BUREAU: ANE
COUNTRY: Sri Lanka
QUARTER: 3
DATE: BEGIN: 04/01/88
FIELD: 04/01/88 - 05/01/88
END: 07/31/88

ACTIVITY TITLE: SRI LANKA: Monitoring/Evaluation of WS&S Sector Project
(Year 3)

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: Activity 237, Activity 342, USAID/Sri Lanka Telex 4/28/87

AUDIENCE: NWSDB

LOCATION: Sri Lanka

OBJECTIVES: 1) Provide annual assessment of overall achievement of
project goals; 2) Review specific components of the
project; 3) Facilitate the annual planning meeting.

SCHEDULE/PLAN: 1) Assess progress of project; and 2) Facilitate annual
review meeting.

SKILLS REQUIRED: Institutional development, specific subject matter skills
as needed, workshop design and delivery.

PERSONNEL: Dan Edwards

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 90/90

APPROVED BY: _____

FY88 COST: 55,000
TOTAL COST: 55,000

DATE: _____

FY88 BUYIN: 55,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88032

BUREAU: ANE
COUNTRY: Sri Lanka
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD: TBD
END: 09/30/88

ACTIVITY TITLE: SRI LANKA: Periodic Technical Assistance (Year 3)

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: USAID/Sri Lanka Telex 4/28/87

AUDIENCE: NWSDB

LOCATION: Sri Lanka

OBJECTIVES: Provide technical assistance as requested by USAID/Sri Lanka.

SCHEDULE/PLAN: Periodic short-term assignments as technical assistance needs become clear.

SKILLS REQUIRED: Range of skills including Engineering, O&M, Finance, Management, Health, etc.

PERSONNEL:

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 90/90

APPROVED BY: _____

FY88 COST: 55,000
TOTAL COST: 55,000

DATE: _____

FY88 BUYIN: 55,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88033

BUREAU: LAC
COUNTRY: Peru
QUARTER: 4
DATE: BEGIN: 04/01/88
FIELD: April/May 1988
END: 07/31/88

ACTIVITY TITLE: PERU: Progress Evaluation of Rural Water Systems and Environmental Sanitation Project

ACTIVITY MANAGER: Turner

ACTIVITY ORIGIN: Lima 06309

AUDIENCE: USAID Mission, LAC Bureau

LOCATION: Peru

OBJECTIVES: Provide 4-6 week evaluation of Rural WS&S Project; Methodology to be similar to 1984 WASH evaluation in Peru.

SCHEDULE/PLAN: 1) Field evaluation of project in April-May 1988; 2) Provide written evaluation report to mission.

SKILLS REQUIRED: 3-4 Spanish speaking consultants with skills in health ed., community participation, inst. develop., engineering and O&M

PERSONNEL: TBD

FOLLOW-UP: TBD

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 130/130

APPROVED BY: _____

FY88 COST: 80,000
TOTAL COST: 80,000

DATE: _____

FY88 BUYIN: 80,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88034

BUREAU: AFR
COUNTRY: Swaziland
QUARTER: 2
DATE: BEGIN: 01/15/88
FIELD: 02/01/88 - 02/28/88
END: 04/30/88

ACTIVITY TITLE: SWAZILAND: Community Participation Workshop

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: Mbabane 3063

AUDIENCE: GOS personnel

LOCATION: Mbabane

OBJECTIVES: Design and deliver a workshop on community participation

SCHEDULE/PLAN: 1) Design workshop. 2) Conduct workshop. 3) Write report.

SKILLS REQUIRED: Community participation specialist

PERSONNEL:

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 24/24

APPROVED BY: _____

FY88 COST: 15,000
TOTAL COST: 15,000

DATE: _____

FY88 BUYIN: 11,250

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88035

BUREAU: AFR
COUNTRY: Swaziland
QUARTER: 4
DATE: BEGIN: 05/01/88
FIELD: August '88
END: 11/01/88

ACTIVITY TITLE: SWAZILAND: Decade Sectoral Planning Technical Assistance

ACTIVITY MANAGER: Hafner

ACTIVITY ORIGIN: Mbabane 3063

AUDIENCE: AID/Swaziland

LOCATION: Mbabane, Swaziland

OBJECTIVES: Provide TA to National Action Group and Technical Support Group as they develop a 5-year plan for the WS&S sector.

SCHEDULE/PLAN: 4 weeks in August 1988

SKILLS REQUIRED: Engineer, Facilitator

PERSONNEL: Gearheart; Yohalem

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 60/60

APPROVED BY: _____

FY88 COST: 30,000
TOTAL COST: 30,000

DATE: _____

FY88 BUYIN: 30,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88036

BUREAU: S&T

COUNTRY:

QUARTER: 1

DATE: BEGIN: 11/01/87

FIELD: None

END: 05/01/88

ACTIVITY TITLE: Strategy for Developing Training Capability in a WS&S Institution

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: Conversation with Austin

AUDIENCE: AID staff and consultants

LOCATION: Washington, D.C.

OBJECTIVES: 1) Develop a prototype strategy for strengthening training capability in a WS&S institution or project. 2) Provide a resource for project designers and host country HRD managers to use in developing or strengthening training capability.

SCHEDULE/PLAN: 1) Review relevant documents (PP's, evaluations, WASH activities in Zaire and Bolivia); 2) Develop preliminary strategy; 3) Review of strategy by others; 4) Revisions; 5) First draft of strategy; 6) Revisions.

SKILLS REQUIRED: HRD specialist

PERSONNEL: TRG (Dan Edwards, Ed Salt, Fred Rosensweig)

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 35/35

APPROVED BY: _____

FY88 COST: 25,000
TOTAL COST: 25,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88037

BUREAU: S&T
COUNTRY:
QUARTER: 2
DATE: BEGIN: 01/01/88
FIELD:
END: 09/30/88

ACTIVITY TITLE: Guidelines for Counterpart Training

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: WASH 1987 Retreat

AUDIENCE: Long-term TA teams, Project Designers, AID Field Staff

LOCATION: Washington, D.C.

OBJECTIVES: 1) Improve the ability of long term advisors to transfer skills to counterparts through training and coaching. 2) Assist AID and contractors in recruiting and selecting long-term TA staff.

SCHEDULE/PLAN: 1) Determine selection criteria for long term TA staff; 2) Identify skills that long term staff need to transfer skills to counterparts; 3) Develop guidelines for use by long-term TA staff for training & coaching; 4) Outside review; 5) Finalize & dissem.

SKILLS REQUIRED: Training, Institutional Development

PERSONNEL: J. McCaffery (TRG), D. Edwards (TRG)

FOLLOW-UP: Wider dissemination to AID staff

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 40/40

APPROVED BY: _____

FY88 COST: 21,000
TOTAL COST: 21,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88038

BUREAU: S&T

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/01/87

FIELD:

END: 09/30/88

ACTIVITY TITLE: Development of Training Guide on Hygiene Education

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: Conversation with Peace Corps

AUDIENCE: Field workers involved in hygiene education activities

LOCATION: Washington, D.C.

OBJECTIVES: Provide a detailed training guide to assist in training field workers in hygiene education strategies and techniques.

SCHEDULE/PLAN: 1) Determine skills and knowledge a field worker needs in hygiene education; 2) Design a 1-2 week workshop; 3) Write a training guide based on the design; 4) Pilot test in 1-2 countries; 5) Revise the training guide; 6) Produce a camera ready copy.

SKILLS REQUIRED: Health educator, Training specialist

PERSONNEL:

FOLLOW-UP: Both pilot tests will be funded by the Peace Corps. Therefore those costs are not included in this activity.

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 130/150

APPROVED BY: _____

FY88 COST: 50,000
TOTAL COST: 60,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88039

BUREAU: S&T
COUNTRY:
QUARTER: 0
DATE: BEGIN:
FIELD:
END:

ACTIVITY TITLE: Development of Training Materials for O&M Management in LDC's

ACTIVITY MANAGER: Jordan

ACTIVITY ORIGIN: ACT 223, World Bank Mission

AUDIENCE: O&M Managers; Program Planners

LOCATION: WOC, RTI

OBJECTIVES: Develop training aids for water utility managers on maintenance recordkeeping, planning and scheduling and other topics that are part of a maintenance management system.

SCHEDULE/PLAN: 1) Collect and review documents on O&M management; 2) Develop draft guidelines and topics for training aids for O&M management; 3) Develop training aids; 4) Develop outline of one-week training course utilizing training aids; 5) Prepare report.

SKILLS REQUIRED: Engineering, utility O&M management

PERSONNEL: Alan Wyatt, RTI; TBD

FOLLOW-UP: Conduct training program in LDC

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 46/46

APPROVED BY: _____

FY88 COST: 25,000
TOTAL COST: 25,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88040

BUREAU: S&T

COUNTRY:

QUARTER: 1

DATE: BEGIN: 11/01/87

FIELD:

END: 04/15/88

ACTIVITY TITLE: Implementing Effective Water Supply Maintenance Programs
in Rural Communities

ACTIVITY MANAGER: Jordan

ACTIVITY ORIGIN: ACT 322, Discussions with World Bank Training Office.

AUDIENCE: Water supply system planners; Water Boards in LDCs

LOCATION: U.S.A.

OBJECTIVES: Develop guidelines for establishing effective WS
maintenance programs in LDCs. Guidelines will consider
three types of water systems (gravity, handpump and
diesel powered) and recommend methods for implementing
maintenance programs for each.

SCHEDULE/PLAN: 1) Define scope of effort; 2) Discuss WASH participation
in development of training aids with World Bank; 3)
Prepare first draft; 4) Review of first draft; 5)
Produce final report; 6) Provide TA on O&M to World
Bank.

SKILLS REQUIRED: Sanitary engineer with O&M and community participation
experience

PERSONNEL: TBD

FOLLOW-UP: Field test

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 40/40

APPROVED BY: _____

FY88 COST: 30,000
TOTAL COST: 30,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88041

BUREAU: ANE
COUNTRY:
QUARTER: 1
DATE: BEGIN: 09/01/87
FIELD:
END: 12/31/87

ACTIVITY TITLE: Water Billing Software Development

ACTIVITY MANAGER: Turner

ACTIVITY ORIGIN: RTI

AUDIENCE: Local and Regional Water Distribution Agencies

LOCATION: LDC's; S. Asia Region, Latin America

OBJECTIVES: Investigate need to develop water billing software for use in LDC's. Compile list of available software, cost, and features. Establish scope of work for development of new software, if needed.

SCHEDULE/PLAN: Review literature on existing water billing software programs, recommend most appropriate packages or develop scope for new software. Prepare report on findings and recommendations.

SKILLS REQUIRED: Systems analysis, programming, writing user documentation

PERSONNEL: D.L. Goetz, RTI; H.J. Ryon, RTI

FOLLOW-UP: TBD

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 20/20

APPROVED BY: _____

FY88 COST: 7,500
TOTAL COST: 7,500

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88042

BUREAU: S&T
COUNTRY: TBD
QUARTER: 2
DATE: BEGIN: 01/01/88
FIELD: 02/88
END: 06/30/88

ACTIVITY TITLE: Field Test of Financial Management Assessment and Cost Management Guidelines

ACTIVITY MANAGER: Turner

ACTIVITY ORIGIN: WASH Financial Management Planning Session, ACT 267, ACT 240

AUDIENCE: USAID Missions, Ministry & Water Authority Managers

LOCATION: Washington, D.C.; LDCs

OBJECTIVES: To field test the financial management & cost management guidelines developed under prior tasks. The guidelines are to be used to assess the capacity/capability of a WS&S inst. to manage the finances of WS&S projects and use cost performance measures.

SCHEDULE/PLAN: 1) Identification of field test site and development of selection criteria. 2) Conduct field visits applying guidelines. 3) Revise and disseminate Guidelines.

SKILLS REQUIRED: Finance, Management, Public Administration

PERSONNEL: Ron Johnson, Sally Johnson; Jim Jordan; Fred Rosensweig

FOLLOW-UP: Potential training and technical assistance to remedy problems uncovered through use of guidelines.

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 45/45

APPROVED BY: _____

FY88 COST: 30,000
TOTAL COST: 30,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88043

BUREAU:
COUNTRY:
QUARTER: 0
DATE: BEGIN: 08/01/87
FIELD:
END: 03/01/88

ACTIVITY TITLE: Cost Indices of WS&S Projects

ACTIVITY MANAGER: Roark

ACTIVITY ORIGIN: Discussions with UNICEF and World Bank

AUDIENCE: USAID, UNICEF, World Bank

LOCATION: Washington, D.C.

OBJECTIVES: To provide cost indices as planning guidelines for WS&S activities including wells, springs, pumps, latrines, etc. with subcategories of construction, O&M, administration, health education, community participation, etc.

SCHEDULE/PLAN: 1) Literature review; 2) Coordinate with UNICEF and World Bank; 3) Analyze data and prepare report.

SKILLS REQUIRED: WSS Management

PERSONNEL: P. Roark

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 32/32

APPROVED BY: _____

FY88 COST: 20,000
TOTAL COST: 20,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88044

BUREAU:

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/01/87

FIELD:

END: 03/01/88

ACTIVITY TITLE: Institutional Roles in Privatization of WS&S Sector

ACTIVITY MANAGER: Roark

ACTIVITY ORIGIN: WASH and World Bank Discussions

AUDIENCE: USAID

LOCATION: Washington, D.C.

OBJECTIVES: To provide guidelines for WS&S institutions in fostering, monitoring, and controlling the privatization of WS&S activities.

SCHEDULE/PLAN: 1) Review literature; 2) Incorporate Lesotho Privatization Study and O&M Privatization Study (ACT 218); 3) Prepare report.

SKILLS REQUIRED: Water Resource Manager; O&M Engineer

PERSONNEL: P. Roark; J. Jordan

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 30/30

APPROVED BY: _____

FY88 COST: 18,000
TOTAL COST: 18,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88045

BUREAU:
COUNTRY: TBD
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 04/01/88

ACTIVITY TITLE: WASH TECH Pak: Guidelines to Integrating CP and Health Education in WS&S Projects

ACTIVITY MANAGER: Turner

ACTIVITY ORIGIN: WASH Staff, Evaluation of recent WS&S projects

AUDIENCE: USAID Missions, PVO's, PAHO, UNICEF

LOCATION: Washington, D.C.

OBJECTIVES: 1) Develop a set of guidelines to assist project engineers and managers in developing strategies for the scope and timing of the CP and health education components of WS&S projects; 2) Circulate for review; 3) Plan field test.

SCHEDULE/PLAN: 1) Fall 1987 - Develop Guidelines; 2) Winter 1988 - Circulate for review; 3) Revise and distribute by March 1988.

SKILLS REQUIRED: WS&S Engineer with experience in evaluations and/or project design; Community Development/Health Education Specialist

PERSONNEL: Turner, Yacoob, Consultant

FOLLOW-UP: Field Test

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 50/50

APPROVED BY: _____

FY88 COST: 25,000
TOTAL COST: 25,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88046

BUREAU: S&T
COUNTRY:
QUARTER: 2
DATE: BEGIN: 01/01/88
FIELD:
END: 06/30/88

ACTIVITY TITLE: Project Redirection Guidelines

ACTIVITY MANAGER: Hafner

ACTIVITY ORIGIN: ACTs 341 and 352

AUDIENCE: Project Managers for PVOs

LOCATION: U.S.A.

OBJECTIVES: To develop a set of guidelines for redirecting W/S projects which lack an effective community participation component.

SCHEDULE/PLAN: Phase I: 1) Review lessons from Sierra Leone, Ghana, Senegal, Belize, 2) 1/2 day workshop of 6-8 staff/consultants to develop guidelines, 3) Refine guidelines - prepare draft document. Phase II: 4) Field test, 5) Revise.

SKILLS REQUIRED: Project evaluators/assessors

PERSONNEL: Hafner, Yacoob, Turner, Adrien, others

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 30/30

APPROVED BY: _____

FY88 COST: 15,000
TOTAL COST: 15,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88047

BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 02/01/88

ACTIVITY TITLE: Training Video on Lessons from Togo

ACTIVITY MANAGER: Hafner

ACTIVITY ORIGIN: ACT 317

AUDIENCE: Development workers, PVO staff

LOCATION: U.S.A.

OBJECTIVES: To develop a training session using the Togo Rural Water Project film which emphasizes the importance of community participation and training at all levels of the project.

SCHEDULE/PLAN: 1) Review Togo film and un-used film; 2) Determine major learning/objectives; 3) Design 2 hours training session; 4) Pilot session and revise; 5) Market the session; 6) Consider French translation;

SKILLS REQUIRED: Trainers

PERSONNEL: Agma Prins, Fred Rosensweig, May Yacoob, Craig Hafner

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 20/20

APPROVED BY: _____

FY88 COST: 5,000
TOTAL COST: 5,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 88048
BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/88
FIELD: None
END: 03/31/88

ACTIVITY TITLE: WSS Linkages to Child Survival Activities
ACTIVITY MANAGER: Warner
ACTIVITY ORIGIN: WASH involvement with S&T/H Child Survival Program
AUDIENCE: S&T/Health
LOCATION: Washington, D.C.
OBJECTIVES: 1) Identify organiz. which have made statements linking WSS as important element in Child Survival Programs (CSP); 2) Document statements in report to improve the credibility of WSS as CS element & suggest ways of reinforcing WSS contributions to CSP.
SCHEDULE/PLAN: 1st qtr - literature survey and discussions with officials of health organizations; 2nd qtr - preparation of draft report and review by S&T/H.
SKILLS REQUIRED: Research assistant with familiarity with the public health aspects of child survival and WSS.
PERSONNEL: To be determined (possibly IDI intern)
FOLLOW-UP: To be determined

S&T CONTACT: A.D. Long
LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 20/20
APPROVED BY: _____
FY88 COST: 8,000
TOTAL COST: 8,000
DATE: _____
FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88049

BUREAU: S&T

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/01/87

FIELD:

END: 06/01/88

ACTIVITY TITLE: Sustained C.P.: Identification and Use of Existing Committees

ACTIVITY MANAGER: Yacoob

ACTIVITY ORIGIN: NCIH meeting suggestion

AUDIENCE: USAID officials, PVOs and field level implementers

LOCATION:

OBJECTIVES: Identify cases and situations where C.P. was based on use of already existing (i.e. part of community social organization) associations.

SCHEDULE/PLAN: 1) Review C.P. literature; 2) Identify cases where such committees were used; 3) Identify how such experiences can be replicated.

SKILLS REQUIRED: Social scientist

PERSONNEL: M. Yacoob; B. Pillsbury

FOLLOW-UP: Develop guidelines

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 15/15

APPROVED BY: _____

FY88 COST: 8,000
TOTAL COST: 8,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88050

BUREAU:

COUNTRY:

QUARTER: 2

DATE: BEGIN: 01/01/88

FIELD:

END: 12/31/88

ACTIVITY TITLE: KAP Guidelines for WS&S

ACTIVITY MANAGER: Yacoob

ACTIVITY ORIGIN: WASH Staff

AUDIENCE: PVOs and USAID Project Planners and Project Evaluators

LOCATION:

OBJECTIVES: The activity will demonstrate practical ways in which ethnographic techniques about people's behaviors, knowledge and attitudes can be usefully applied to evaluation of community-based water and sanitation programs.

SCHEDULE/PLAN: 1/88-2/88 Plan interventions, identify documents and other resources; 3/88-6/88 Conduct interviews, review existing project reports & documents; 7/88-10/88 Prepare topical reports; 11/88-12/88 Prepare final report.

SKILLS REQUIRED: Applied anthropologist, health educator

PERSONNEL: May Yacoob, TBD

FOLLOW-UP: Organize a panel for presentation of findings at a professional conference in 1989

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 68/68

APPROVED BY: _____

FY88 COST: 19,000
TOTAL COST: 19,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHLET

ACTIVITY:

CODE: 88051

BUREAU:

COUNTRY:

QUARTER: 0

DATE:

BEGIN: 09/01/87

FIELD: Jan-March 1988

END: 09/30/88

ACTIVITY TITLE: Guinea Worm Workshop for National Planning

ACTIVITY MANAGER: Yacoob

ACTIVITY ORIGIN: Discussions with RTI, CDC, Global 2000, VBC, Cost sharing with organizations.

AUDIENCE: National planners from Ministry of Health, Water, Planning

LOCATION: Guinea worm infected countries

OBJECTIVES: To assist national planners of guinea worm infected countries in developing an integrated program for the control of guinea worm.

SCHEDULE/PLAN: 1) Decision on team composition. 2) Preparation of workshop.

SKILLS REQUIRED:

PERSONNEL: RTI, CDC, Global 2000, VBC, WASH

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 75/75

APPROVED BY: _____

FY88 COST: 30,000
TOTAL COST: 30,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88052

BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 01/30/88

ACTIVITY TITLE: Providing Assistance to NGO/PVOs in the WS&S Sector

ACTIVITY MANAGER: Hafner

ACTIVITY ORIGIN: WASH Field Report #183

AUDIENCE: S&T/H, WASH, PVC Office

LOCATION: U.S.

OBJECTIVES: Conduct a desktop study, with extensive interviews of NGO/PVO project managers/planners, to determine what WASH technical assistance could most effectively support their efforts in the WS&S sector.

SCHEDULE/PLAN: Conduct interviews of the 5-10 most active NGOs/PVOs in the WS&S sector to determine their activities over the last several years, as well as to determine their orientation and strategy over the next several years.

SKILLS REQUIRED: Social scientist (with project design & evaluation background) and Engineer (with experience in the WS&S sector)

PERSONNEL: Abe Waldstein

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 40/40

APPROVED BY: _____

FY88 COST: 15,000
TOTAL COST: 15,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88053

BUREAU:
COUNTRY:
QUARTER: 0
DATE: BEGIN: 10/01/87
FIELD:
END: 03/01/88

ACTIVITY TITLE: Pump Selection Manual Field Testing

ACTIVITY MANAGER: Roark

ACTIVITY ORIGIN: Follow on to ACT 316

AUDIENCE:

LOCATION: TBD

OBJECTIVES: Field test pump selection guidelines currently under development by ARD. The guidelines will be applied in typical field situations to determine the applicability of the approach, and to refine its ease of use based on responses by users.

SCHEDULE/PLAN: Choose two on-going WS&S projects in developing countries for applying the guidelines. Select & train appropriate project personnel from PVO or host government agency. Evaluate the guidelines based on user response and revise accordingly.

SKILLS REQUIRED: Water engineers

PERSONNEL: Rick McGowan and Jonathan Hodgkin

FOLLOW-UP: Develop and implement training course which could be used to transfer the pump selection methodology to field workers.

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 58/58

APPROVED BY: _____

FY88 COST: 33,000
TOTAL COST: 33,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88054

BUREAU: S&T

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/01/87

FIELD: None

END: 06/30/88

ACTIVITY TITLE: Survey of Rural Water Quality Standards

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: Discussions with WHO/Geneva Officials, March 1987

AUDIENCE: S&T/H and development community

LOCATION: Washington, D.C.

OBJECTIVES: 1) To compile information on the rural water quality standards adopted by developing countries. 2) To encourage countries to adopt standards relevant to their level of development and their ability to enforce standards.

SCHEDULE/PLAN: 1st qtr - Survey of standards adopted by LDC's governments; 2nd qtr - Discussions with officials of international development agencies; 3rd qtr - Preparation of draft report on current status and recommended water quality strategies.

SKILLS REQUIRED: Engineer or public health expert familiar with WQ standards and their application in LDCs.

PERSONNEL: To be determined (maybe IDI intern)

FOLLOW-UP: To be determined

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 25/25

APPROVED BY: _____

FY88 COST: 15,000
TOTAL COST: 15,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 88055

BUREAU: S&T

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/01/87

FIELD:

END: 02/01/88

ACTIVITY TITLE: Hazardous Material Management

ACTIVITY MANAGER: Roark

ACTIVITY ORIGIN: OFDA and S&T/H

AUDIENCE: OFDA

LOCATION:

OBJECTIVES: Develop a response strategy for management of hazardous material which affects water supplies; Develop policy on hazardous material management.

SCHEDULE/PLAN: 1) Review past OFDA emergency responses and delineate issues; 2) Review appropriate actions for specific materials; 3) Analyze data and prepare report

SKILLS REQUIRED: Environmental engineer; Hydrogeologist

PERSONNEL: TBD

FOLLOW-UP: Provide TA in response to mission requests

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 25/25

APPROVED BY: _____

FY88 COST: 20,000
TOTAL COST: 20,000

DATE: _____

FY88 BUYIN: 0

ANNEX

There are two categories in the Annex:

A.) FY 86 and FY 87 Continuing Activities

B.) Activities Awaiting Funding

A) FY 86 & FY 87 Continuing Activities

Listed below are 69 activities initiated in FY 1986 and FY 1987 that will be continued and worked on in FY 1988. These activities are in various stages of completion. Although no FY 88 funds are budgeted or required for these activities, they are included in this work plan because they will require management and administrative support from the WASH Operations Center.

The six follow-on activities listed in Section II are also continuing activities, but they will require FY 88 funds. These activities are not included in the list below.

The 16 activity sheets in this section are for those continuing activities initiated in the fourth quarter of FY 1987, but not previously included in either the FY 87 work plan or the quarterly update on 30 June 1987. These activities are designated below by an asterisk (*) with the exception of activity sheet 87224.

ACT 116	Development of Training Guide on Well Improvement
ACT 124	Development of Training Guide on Community Participation
ACT 146	Development of Guidelines for Assessing Institutional Effectiveness
ACT 208	Domestic Water Supply and Sanitation in Irrigation Project
ACT 218	Privatization and O&M
ACT 220	OFDA Liaison: Emergency Disaster Assistance
ACT 239	Provision of Information Services to USAID/Sri Lanka
ACT 240	Cost Management: Comparative Performance in WS&S Systems
ACT 241	Jordan: Program for Monitoring Groundwater
ACT 253	Sri Lanka: NWSDB Management Training Program
ACT 258	Drilled Water Well Rehabilitation
ACT 259	Drilling Rig Selection
ACT 265	Guidelines for Planning WS&S Hygiene Education
ACT 266	Social Marketing for WS&S Objectives
ACT 267	Guidelines for Financial Management Assessment
ACT 268	Development of Model for Project Start-up Workshops
ACT 313	Orientation Visits to US WS&S Facilities & Organizations
ACT 315	Africa: World Vision Staff Workshop
ACT 316	Pump Selection Methodology
ACT 320	Djibouti: Urban Sanitation Workshop
ACT 326	Managing Institutional Development Projects
ACT 328	Botswana: Renewable Energy Project (Extended Economic)
ACT 330	Benin: Project Start-up Workshop
ACT 331	Egypt: WS&S Inputs to Schistosomiasis PID
ACT 332	Development of O&M Supervisors Training Guide
ACT 334	LAC Bureau: Planning for Central America WS&S Programs

- ACT 335 Israel: Environmental Assessment in West Bank/Gaza
- ACT 336 Integrating WASH into UNDP Training for Women in WS&S/IRRIG
- ACT 337 Thailand: Hygiene Education Strategies & Techniques
- ACT 340 Information Support to UNDP/INFOTERRA
- ACT 344 Lesotho: Privatization Study
- ACT 345 Management Development Program
- ACT 347 Swaziland: Water Evaluation Design
- ACT 349 Swaziland: Health Education Evaluation
- ACT 350 WS&S as a Stimulus to ORS Knowledge in Togo & Indonesia
- ACT 351 Honduras: Project Paper for Health Sector II
- ACT 352 Sierra Leone - CARE: Community Participation Assessment
- ACT 353 Nigeria: Willingness to Pay Field Studies
- ACT 354 Swaziland: Manpower Assessment
- ACT 355 Zaire: Training of Trainers - Workshop III
- ACT 356 Domestic Sanitation and Child Survival
- ACT 357 Development of Debriefing Model
- ACT 359 Thailand: Wastes Management Program Design
- ACT 360 Thailand: Wastewater Assessment in Coastal Areas
- ACT 361 Honduras: Well Improvement Workshop
- ACT 362 Thailand: Asia-Pacific Regional Water Supply Conference
- * ACT 363 World Vision: Africa Water Program Workshop
- ACT 364 Pakistan: Field Test of Cost-Effective Methods of Guinea Worm Control
- * ACT 365 PPC/CDIE: Sustainability of USAID Investments in Guatemala
- ACT 366 Water Decade Planning Workshop
- * ACT 367 Egypt: LDI Rural Water Supply Assessment
- ACT 368 Guidelines for Guinea Worm Component in Existing WS&S Projects
- ACT 369 Components of Successful Water Supply & Hygiene Ed Program
- * ACT 370 Nigeria: Collaboration with World Bank - Water Vending Studies
- * ACT 371 Bolivia: Project Review Workshop
- * ACT 372 Yemen: Demonstration Handpump Project
- ACT 373 Revision of HRD Planning Guidelines
- ACT 374 Guidelines for Evaluation of Water
- ACT 375 Nigeria: Marketing of Guinea Worm Filters & Impact on Maternal Morbidity
- * ACT 376 Prepare Progress Report 11
- * ACT 377 Lessons Learned in the WASH Project
- * ACT 379 Collaboration with World Bank on Willingness-to-Pay Studies
- * ACT 380 Strategies for Cost Recovery and Tariff Design
- * ACT 381 WHO Consultation
- * ACT 382 Guidelines for Organizing Technical Information Systems Water/Wastewater Institutions
- ACT 383 Developing Community Oriented WS&S Management Guidelines
- * ACT 384 Application of Water Vending Lessons
- * ACT 385 Synthesis & Packaging of Existing WASH Products & Materials
- * ACT 386 IRC/The Hague: Information Exchange for WSS

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 363

CODE: 87209

BUREAU: FVA/PVC

COUNTRY: Kenya

QUARTER: 4

DATE: BEGIN: 07/15/87

FIELD VISIT: Aug. 21 - Sept. 5

END: 11/15/87

ACTIVITY MANAGER: Hafner

ACTIVITY TITLE: World Vision Africa Water Program Workshop

ACTIVITY ORIGIN: ACT 315

AUDIENCE: World Vision Staff

LOCATION: Nairobi, Kenya

OBJECTIVES:

To plan and implement a one-week workshop for 20 World Vision Africa Water Program Staff.

SCHEDULE/ACTIVITY PLAN:

1. July 21-23 - Plan and Design Workshop.
2. Aug. 24-30 - Final Preparation.
3. Aug. 31 - Sept. 4 - Implement Workshop.

PERSONNEL/SKILLS REQUIRED: Trainer, Rural Water Supply Specialist

PROPOSED PERSONNEL: F. Rosensweig, R. Gearheart

FOLLOW-UP ACTIVITIES:

S&T CONTACT: A.D.Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 60/60

FY 87 COST: \$ 30,000

TOT COST: \$ 0

FY 87 BUY-IN: \$ 30,000

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 365 CODE: 87210

BUREAU: Latin America/Caribb
COUNTRY: Guatemala
QUARTER: 4
DATE: BEGIN: 07/16/87
FIELD VISIT: August 1987
END: 10/31/87

ACTIVITY MANAGER: Turner

ACTIVITY TITLE: PPC/CDIE: Sustainability of USAID Investments
in Guatemala

ACTIVITY ORIGIN: PPC/CDIE Request

AUDIENCE: PPC/CDIE, LAC Bureau, Mission
LOCATION: Guatemala

OBJECTIVES:

Assist PPC/CDIE in study of project sustainability by preparing
a report on sustainability of AID's WS&S projects in Guatemala.

SCHEDULE/ACTIVITY PLAN:

- 1) Review prior PPC studies and protocol.
- 2) Write report in Guatemala.
- 3) Participate in briefings.

PERSONNEL/SKILLS REQUIRED: Spanish speaking, rural water supply
engineer.

PROPOSED PERSONNEL: J. Ellis Turner

FOLLOW-UP ACTIVITIES:

TBD

S&T CONTACT: J.H. Austin

APPROVED:

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 25/25

BY WHOM: _____

FY 87 COST: \$ 18,000
TOT COST: \$ 18,000

DATE: _____

FY 87 BUY-IN: \$ 0

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 367

CODE: 87215

BUREAU: Asia Near East

COUNTRY: Egypt

QUARTER: 4

DATE: BEGIN: 09/01/87

FIELD VISIT: 10/01/87-03/01/88

END: 06/01/88

ACTIVITY MANAGER: Rosensweig

ACTIVITY TITLE: EGYPT: LD Water Supply Assessment

ACTIVITY ORIGIN: ACT 320, Cairo 15489

AUDIENCE: USAID/Cairo and LD II Amana

LOCATION: Egypt

OBJECTIVES:

Conduct an evaluation of the water supply systems assisted by USAID/Egypt under the local Development Program.

SCHEDULE/ACTIVITY PLAN:

1. TPM and mobilization (Oct. 87)
2. Field data collection (Oct.-Jan. 87)
3. Data analysis (Feb. 88)
4. Reporting (Feb.-March 88)

PERSONNEL/SKILLS REQUIRED: Engineer, Social Scientist, Financial Analyst

PROPOSED PERSONNEL: Don Cullivan, Nigel Nicholson, Monica Fouad, Rick Huntington

FOLLOW-UP ACTIVITIES:

S&T CONTACT: A.D. Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS

(FY 87/TOTAL): 750/750

FY 87 COST: \$ 400,000

TOT COST: \$ 400,000

FY 87 BUY-IN: \$ 400,000

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 370

CODE: 87213

BUREAU: AFRICAN
COUNTRY: Nigeria
QUARTER: 4
DATE: BEGIN: 08/01/87
FIELD VISIT: August 1987
END: 12/31/87

ACTIVITY MANAGER: Turner

ACTIVITY TITLE: NIGERIA: Collaboration with World Bank on Water
Vending Studies

ACTIVITY ORIGIN: UNC

AUDIENCE: Mission, AFR Bureau, World Bank
LOCATION: Nigeria

OBJECTIVES:

- 1.) Assist World Bank in willingness-to-pay analysis through use of water vending studies.
- 2.) Assist local water authority in improving water vending practices.

SCHEDULE/ACTIVITY PLAN:

- 1.) Field trip in August 1987.
- 2.) Report preparation Sept./Oct. 1987.

PERSONNEL/SKILLS REQUIRED: Economist, Sanitary Engineer

PROPOSED PERSONNEL: Dale Whittington, Don Lauria

FOLLOW-UP ACTIVITIES:

TBD

S&T CONTACT: A.D. Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 40/40

FY 87 COST: \$ 18,500
TOT COST: \$ 18,500

FY 87 BUY-IN: \$ 0

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 371 CODE: 87216

BUREAU: Latin America Caribb
COUNTRY: Bolivia
QUARTER: 4
DATE: BEGIN: 09/01/87
FIELD VISIT: 10/15-10/30/87
END: 01/03/88

ACTIVITY MANAGER: Rosensweig

ACTIVITY TITLE: BOLIVIA: Project Review Workshop

ACTIVITY ORIGIN: La Paz 5900

AUDIENCE: CARE and GOB agencies
LOCATION: La Paz

OBJECTIVES:

Assist CARE to better achieve the objectives of an integrated Child Survival/Rural Sanitation Project.

SCHEDULE/ACTIVITY PLAN:

1. Conduct interviews
2. Design workshop
3. Conduct workshop
4. Write final report

PERSONNEL/SKILLS REQUIRED: Trainer

PROPOSED PERSONNEL: Dan Edwards, Co-trainer TBD

FOLLOW-UP ACTIVITIES:

S&T CONTACT: A.D. Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 45/45

FY 87 COST: \$ 30,000
TOT COST: \$ 30,000

FY 87 BUY-IN: \$ 15,000

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 372

CODE: 87211

BUREAU: Asia Near East

COUNTRY: Yemen

QUARTER: 4

DATE: BEGIN: 08/01/87

FIELD VISIT: August-October 1987

END: 11/30/87

ACTIVITY MANAGER: Jordan

ACTIVITY TITLE: YEMEN: Demonstration Handpump Project

ACTIVITY ORIGIN: Mission Request Sanaa 04789

AUDIENCE: Mission, ANE Bureau

LOCATION: Yemen

OBJECTIVES:

Provide assistance to mission in evaluating the feasibility of
and designing a rural handpump project.

SCHEDULE/ACTIVITY PLAN:

- 1) Field trip in August/Sept. or October.
- 2) Write field report.

PERSONNEL/SKILLS REQUIRED: 1) Rural sociologist with Arabic fluency.
2) Rural water supply/handpump specialist.

PROPOSED PERSONNEL: TBD

FOLLOW-UP ACTIVITIES:

TBD

S&T CONTACT: A.D. Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 60/60

FY 87 COST: \$ 35,000

TOT COST: \$ 35,000

FY 87 BUY-IN: \$ 30,000

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 376

CODE: 87222

BUREAU: S&T/Health
COUNTRY:
QUARTER: 1
DATE: BEGIN: 09/01/87
FIELD VISIT: None
END: 01/31/88

ACTIVITY MANAGER: Sarai

ACTIVITY TITLE: Progress Report No. 11

ACTIVITY ORIGIN: S&T/Health; WASH Project

AUDIENCE: AID Bureaus and Missions, PVOs, international organizations,
LOCATION: Washington, D.C.

OBJECTIVES:

Prepare Progress Report No. 11 which summarizes activities and outputs of the WASH Project to date. Suggested theme: WASH contributions to the Water Decade.

SCHEDULE/ACTIVITY PLAN:

1. September 1987 - Discuss content and format of Report, assemble materials on FY87 activities, prepare text for theme article.
2. October 1987 - Assemble report, review by WASH staff, send to printer, distribute.

PERSONNEL/SKILLS REQUIRED: Knowledge of WASH operations and familiarity with preparation of reports.

PROPOSED PERSONNEL: WOC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: A.D. Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 20/20

FY 87 COST: \$ 15,000
TOT COST: \$ 15,000

FY 87 BUY-IN: \$ 0

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 377

CODE: 87220

BUREAU: S&T/Health
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD VISIT: None
END: 09/30/88

ACTIVITY MANAGER: Warner

ACTIVITY TITLE: Lessons Learned in the WASH Project

ACTIVITY ORIGIN: WASH Planning Retreat

AUDIENCE: AID and development community
LOCATION: Washington, D.C.

OBJECTIVES:

- 1) To identify and describe the key lessons for WSS development learned by the personnel of the WASH Project; 2) To relate these lessons to AID decision-making and to make them operationally applicable.

SCHEDULE/ACTIVITY PLAN:

- 1) Develop framework for identifying, classifying, & describing lessons learned; propose process for obtaining the info & propose report outline. 2) WASH staff to participate in developing lessons. 3) Prepare/review final document (approx 100 pages).

PERSONNEL/SKILLS REQUIRED: Consultant (understanding of WASH mechanism, general area of WSS, and concept formulation).

PROPOSED PERSONNEL: John Tomaro (consultant); WASH activity managers

FOLLOW-UP ACTIVITIES:

To be determined

S&T CONTACT: A.D. Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 150/150

FY 87 COST: \$ 20,000
TOT COST: \$ 60,000

FY 87 BUY-IN: \$ 0

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 378 - Phase I CODE: 87224

BUREAU: Asia/Near East
COUNTRY: Solomon Islands
QUARTER: 4
DATE: BEGIN: 09/15/87
FIELD VISIT: 10/01/87
END: 11/15/87

ACTIVITY MANAGER: Jordan

ACTIVITY TITLE: SOLOMON ISLANDS: Development of Technical Assistance Needs

ACTIVITY ORIGIN: SUVA 2802, 4056

AUDIENCE: USAID/SUVA, Solomon Islands Government
LOCATION: Solomon Islands

OBJECTIVES:

AID/Suva has requested WASH assistance in FY88 to develop action plan for WS&S activities in SI. This activity will develop details for assistance and finalize SOW for follow-up visit to develop action plan.

SCHEDULE/ACTIVITY PLAN:

Field Visit - 10/04 - 10/17

PERSONNEL/SKILLS REQUIRED: Sanitary Engineer with Project Planning experience

PROPOSED PERSONNEL: J. Jordan

FOLLOW-UP ACTIVITIES:

Development of Action Plan - Activity 88095

S&T CONTACT: D. Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 18/18

FY 87 COST: \$ 18,000
TOT COST: \$ 18,000

FY 87 BUY-IN: \$ 0

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 379

CODE: 87225

BUREAU:
COUNTRY: TBD
QUARTER: 4
DATE: BEGIN: 09/01/87
FIELD VISIT: 11/87 - 12/87
END: 06/30/88

ACTIVITY MANAGER: Warner

ACTIVITY TITLE: Collaboration with World Bank Willingness-to-Pay
Studies

ACTIVITY ORIGIN: Discussions WASH/UNC/World Bank/S&T

AUDIENCE: S&T/H
LOCATION: TBD

OBJECTIVES:
To collaborate with World Bank on the field testing of WTP methodologies.

SCHEDULE/ACTIVITY PLAN:
Field visit Nov.-Dec. 1987

PERSONNEL/SKILLS REQUIRED: Economist and Water Supply Planner

PROPOSED PERSONNEL: Dale Whittington

FOLLOW-UP ACTIVITIES:
None

S&T CONTACT: A.D. Long

APPROVED:	LEVEL OF EFFORT IN DAYS
BY WHOM: _____	(FY 87/TOTAL): 0/0
DATE: _____	FY 87 COST: \$ 15,000
	TOT COST: \$ 15,000
	FY 87 BUY-IN: \$ 0

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 380

CODE: 87212

BUREAU: ALL
COUNTRY:
QUARTER: 4
DATE: BEGIN: 08/01/87
FIELD VISIT: NONE
END: 03/31/88

ACTIVITY MANAGER: Turner

ACTIVITY TITLE: Strategies for Cost Recovery and Tariff Design

ACTIVITY ORIGIN: CDM

AUDIENCE: Missions, Bureaus, Financial Institutions

LOCATION: Boston, Washington, D.C.

OBJECTIVES:

Develop guidelines for designing cost recovery systems and setting tariff rates. Provide examples and/or case studies.

SCHEDULE/ACTIVITY PLAN:

- 1.) Prepare guidelines.
- 2.) Circulate guidelines for comments.
- 3.) Revise guidelines.

PERSONNEL/SKILLS REQUIRED: Financial Analyst

PROPOSED PERSONNEL: Dave Laredo, Ted Schlette

FOLLOW-UP ACTIVITIES:

TBD

S&T CONTACT: A.D. Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 0/0

FY 87 COST: \$ 43,000
TOT COST: \$ 43,000

FY 87 BUY-IN: \$ 0

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 381

CODE: 87223

BUREAU: S&T/H

COUNTRY:

QUARTER: 4

DATE: BEGIN: 09/04/87

FIELD VISIT: 10/12-10/16/87

END: 11/30/87

ACTIVITY MANAGER: Hafner

ACTIVITY TITLE: WHO Consultation

ACTIVITY ORIGIN: Letter from WHO to USAID 5/18/87

AUDIENCE: International Agencies/Donors

LOCATION: Interlaken, Switzerland

OBJECTIVES:

Represent USAID and make presentation on ID/HRD.

SCHEDULE/ACTIVITY PLAN:

1. Sept. 87 - Prepare presentation
2. Oct. 4-10 - USAID review presentation
3. Oct. 13-16 - Attend Conference

PERSONNEL/SKILLS REQUIRED: Knowledge of WASH activities and plans
in ID/HRD

PROPOSED PERSONNEL: Dennis B. Warner, Craig Hafner

FOLLOW-UP ACTIVITIES:

S&T CONTACT: A.Dennis Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 24/24

FY 87 COST: \$ 18,000
TOT COST: \$ 18,000

FY 87 BUY-IN: \$ 0

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 382

CODE: 87217

BUREAU: S&T/Health
COUNTRY: Worldwide
QUARTER: 0
DATE: BEGIN: 10/01/87
FIELD VISIT:
END: 09/30/88

ACTIVITY MANAGER: Campbell

ACTIVITY TITLE: Guidelines for Assessing Management Information
Systems of Water/Wastewater Institutions

ACTIVITY ORIGIN:

AUDIENCE: Water/Wastewater Organizations
LOCATION:

OBJECTIVES:

To provide criteria by which organizations can evaluate and improve
their management information systems.

SCHEDULE/ACTIVITY PLAN:

PERSONNEL/SKILLS REQUIRED:

PROPOSED PERSONNEL: Dan Campbell, Consultants

FOLLOW-UP ACTIVITIES:

S&T CONTACT: A.D. Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 0/0

FY 87 COST: \$ 11,700
TOT COST: \$ 11,700

FY 87 BUY-IN: \$ 0

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 384

CODE: 87218

BUREAU: Latin America/Caribb
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD VISIT:
END: 03/01/89

ACTIVITY MANAGER: Turner

ACTIVITY TITLE: Application of Water Vending Lessons in Central
America

ACTIVITY ORIGIN:

AUDIENCE: USAID, Donors, National Water Agencies
LOCATION: Central America, Chapel Hill

OBJECTIVES:

To assist governments in Central America in 1) assigning construction priorities for water systems and 2) design water tariffs based on lessons learned from WASH vending study, Activity 185.

SCHEDULE/ACTIVITY PLAN:

- 1) Conduct mission to C. A. to select field workers & sample of communities to be analyzed;
- 2) Train field workers & collect pilot data on use of vendors;
- 3) Assist/supervise collection of data
- 4) Conduct/assist analysis of data & prepare final report.

PERSONNEL/SKILLS REQUIRED: Engineers, Economist

PROPOSED PERSONNEL: Donald Lauria, Dale Whittington, Daniel Okun, Graduate Assistant

FOLLOW-UP ACTIVITIES:

None

S&T CONTACT: A.D. Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 120/120

FY 87 COST: \$ 55,000
TOT COST: \$ 55,000

FY 87 BUY-IN: \$ 0

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 385

CODE: 87226

BUREAU: All
COUNTRY: None
QUARTER: 4
DATE: BEGIN: 09/01/87
FIELD VISIT:
END: 12/31/87

ACTIVITY MANAGER: Turner

ACTIVITY TITLE: Synthesis and Packaging of Existing WASH Materials

ACTIVITY ORIGIN: ACT 269; WASH Staff Retreat, May 1987.

AUDIENCE: AID Missions, WS&S Implementing Organizations, PVOs
LOCATION: Washington, D.C.

OBJECTIVES:

Select WASH materials and products that have generic use. Summarize and classify these products so they can be marketed to Missions and WS&S organizations.

SCHEDULE/ACTIVITY PLAN:

1. Start activity in September 1987.
2. Select WASH products and materials - September 1987.
3. Prepare draft summaries - September-November 1987.
4. Distribute - December 1987.

PERSONNEL/SKILLS REQUIRED: Familiarity with WASH materials and ability to organize writing and presentation.

PROPOSED PERSONNEL: J. Ellis Turner, WASH staff participation

FOLLOW-UP ACTIVITIES:

TBD

S&T CONTACT: A.D. Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 30/30

FY 87 COST: \$ 15,000
TOT COST: \$ 15,000

IY 87 BUY-IN: \$ 0

WASH - FY 1987
ACTIVITY SHEET

ACTIVITY: 386

CODE: 87227

BUREAU: S&T/Health

COUNTRY: Netherlands

QUARTER: 4

DATE: BEGIN: 09/04/87

FIELD VISIT: 22-24 September

END: 10/31/87

ACTIVITY MANAGER: Warner

ACTIVITY TITLE: IRC/The Hague: Information Exchange for WSS

ACTIVITY ORIGIN: Telex from IRC, 14 August 1987

AUDIENCE: International Development Community

LOCATION: The Hague, Netherlands

OBJECTIVES:

International coordination meeting to:

1. establish cooperation among participating institutions;
2. formulate plan of action for information exchange.

SCHEDULE/ACTIVITY PLAN:

Visit to The Hague for meeting on 22-24 September 1987.

PERSONNEL/SKILLS REQUIRED: Information specialist; WSS Planner

PROPOSED PERSONNEL: Dan Campbell; Dennis Warner

FOLLOW-UP ACTIVITIES:

TBD

S&T CONTACT: A.D. Long

APPROVED:

BY WHOM: _____

DATE: _____

LEVEL OF EFFORT IN DAYS
(FY 87/TOTAL): 13/13

FY 87 COST: \$ 9,300

TOT COST: \$ 9,300

FY 87 BUY-IN: \$ 0

ANNEX

B) Activities Awaiting Funding

This section of the Annex contains 34 activities for which no FY 88 funds have been allocated at this time. The activities include specific mission, bureau, and PVO requests for WASH assistance, follow-on activities, and new initiatives which have been placed on hold until additional funding sources can be identified. The activities are grouped into five subsectors: Health/Community Participation; HRD/Institutional Development; Engineering/Operations and Maintenance; Financial Management; and Other. A summary of the costs and activities by subsector follows:

SUBSECTOR	NO. OF ACTIVITIES	FY87 COST
1. Health/Community Participation	8	\$212,000
2. HRD/Institutional Development	3	65,000
3. Engineering/Operations & Maintenance	10	264,500
4. Financial Management	1	12,500
5. Other	12	210,000
	—	—
TOTAL	34	\$764,000

ANNEX B

Subsector 1: Health/Community Participation

<u>CODE</u>	<u>TITLE</u>	<u>WASH MANAGER</u>	<u>CATEGORY</u>	<u>FY 88 TOTAL</u>
1	Interaction of WS&S and AIDS	MY	Health	30,000
2	Social Impact of Technology Choice		Community Participation	30,000
3	Water and Sanitation Support to AIDS Programs	DBW	Health	30,000
4	Health Effects of Unsafe Excreta Disposal	DBW	Health	16,000
5	Hygiene Education Guinea Worm Package	MY	Health	30,000
6	Social Benefits of WSS Projects	DBW	Community Participation	14,000
7	BURKINA FASO: Health Education for Guinea Worm Control	MY	Health	45,000
8	Community Participation: Checklist for Project Evaluation	MY	Community Participation	17,000
			SUBTOTAL:	212,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 1

BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD: 10/01/87
END: 12/01/87

ACTIVITY TITLE: Interaction of WS&S and AIDS

ACTIVITY MANAGER: Yacoob

ACTIVITY ORIGIN: RTI, WOC Staff

AUDIENCE: Mission & Bureau Hlth Officers, S&T/H, USAID AIDS Task Force

LOCATION: U.S.

OBJECTIVES: To conceptualize the mutual effects of WS&S activities and AIDS by identifying 1) the ways in which AIDS will affect WS&S activities; 2) the ways that WS&S infrastructure can be used to combat AIDS.

SCHEDULE/PLAN: 1) Summarize literature on relation of AIDS to other infectious diseases; 2) Identify key scientific & political experts at WHO, CDC, USAID; 3) Develop interview guide and interview key experts; 4) Synthesize literature and opinions.

SKILLS REQUIRED: Knowledge of both WS&S approaches, water-related diseases, and AIDS; Public Policy; Health Education

PERSONNEL: Steven Garfinkel, Robert Hollister, May Yacoob, Charles vander Horst

FOLLOW-UP: 1) Case study of the impact of AIDS on the WSS sector in an African country; 2) Develop strategies to overcome problems identified in the case study; 3) Application of strategies.

S&T CONTACT: A.D. Long LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 45/45

APPROVED BY: _____ FY88 COST: 30,000
TOTAL COST: 30,000

DATE: _____ FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 2

BUREAU:
COUNTRY:
QUARTER: 0
DATE: BEGIN:
FIELD:
END:

ACTIVITY TITLE: Social Impact of Technology Choice

ACTIVITY MANAGER:

ACTIVITY ORIGIN:

AUDIENCE:

LOCATION:

OBJECTIVES: The objective of this activity is to glean from the recent Botswana experience how management, local organization, community participation and the use made of systems vary according to the technology chosen.

SCHEDULE/PLAN: Review relevant documents and develop a detailed outline of the study. The study will draw heavily on the unexploited field notes of ARD Botswana team members. The outline will provide guidance for the social scientists' TDY to Botswana.

SKILLS REQUIRED: Engineer (or related technical background) and social scientist (sociologist or anthropologist)

PERSONNEL: Engineers Rick McQueen or Jonathan Hodgkin, or economist Ron White; Social scientist Abe Waldstein

FOLLOW-UP:

<u>S&T CONTACT:</u>	A.D. Long	LEVEL OF EFFORT IN DAYS	
		FY88 TOTAL:	60/60
<u>APPROVED BY:</u>	_____	FY88 COST:	30,000
		TOTAL COST:	30,000
<u>DATE:</u>	_____	FY88 BUYIN:	0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 3

BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 09/30/88

ACTIVITY TITLE: Water and Sanitation Support to AIDS Programs

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: Discussions with Dr. Ken Bart, S&T/H

AUDIENCE: S&T/H

LOCATION: Washington, D.C.

OBJECTIVES: Provide support thru WS activities to on-going AIDS programs: 1) Incorporate existing modules in WASH training design; 2) Study of AIDS transmission thru unsafe excreta disposal; 3) Development of AIDS training modules in terms of WSS; 4) Other activities

SCHEDULE/PLAN: To take ideas from the workshop on AIDS program support and develop related WSS activities during FY88.

SKILLS REQUIRED: As determined in the workshop (public health, training, hygiene education).

PERSONNEL: To be determined

FOLLOW-UP: As needed

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 40/40

APPROVED BY: _____

FY88 COST: 30,000
TOTAL COST: 30,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 4

BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD: None
END: 03/31/88

ACTIVITY TITLE: Health Effects of Unsafe Excreta Disposal

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: WHO Study Group

AUDIENCE: S&T/Health and Development Community

LOCATION: Washington, D.C.

OBJECTIVES: Identify, describe, & quantify adverse health effects of unsafe & unsanitary practices of excreta disposal. Study will be limited to non-sewered methods of handling excreta, incl. bucket latrines, public "sweepers", donkey sewage carts, public latrines.

SCHEDULE/PLAN: 1) Oct-Nov 1987 Review literature; 2) Dec-Jan 1988 Prepare draft report; 3) Feb 1988 Seminar on topic and review of draft; 4) Mar 1988 Revise and prepare final report.

SKILLS REQUIRED: Knowledge of sanitation-related diseases and their etiology. Knowledge of excreta-handling practices around the world.

PERSONNEL: To be determined (probably one consultant)

FOLLOW-UP: To be determined (possibly guidelines or a manual for safe excreta disposal practices)

<u>S&T CONTACT:</u>	A.D. Long	LEVEL OF EFFORT IN DAYS	
		FY88 TOTAL:	30/30
<u>APPROVED BY:</u>	_____	FY88 COST:	16,000
		TOTAL COST:	16,000
<u>DATE:</u>	_____	FY88 BUYIN:	0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 5

BUREAU: AFR
COUNTRY: Togo/Nigeria
QUARTER: 4
DATE: BEGIN:
FIELD: June 1988
END:

ACTIVITY TITLE: Hygiene Education Guinea Worm Package

ACTIVITY MANAGER: Yacoob

ACTIVITY ORIGIN: USAID, VBC, CDC

AUDIENCE: Field officers, USAID missions, PVOs

LOCATION: Togo/Nigeria

OBJECTIVES: Develop hygiene education materials and dissemination methodologies for guinea worm. This activity will summarize the process used to develop hygiene education programs in each of the countries.

SCHEDULE/PLAN: 1) Oct-Dec 1987 - Review country programs. 2) Jan-June 1988 - Develop package.

SKILLS REQUIRED: Health educator; Social marketing

PERSONNEL: TBD

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 0/0

APPROVED BY: _____

FY88 COST: 30,000
TOTAL COST: 30,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 6

BUREAU: S&T
COUNTRY:
QUARTER: 2
DATE: BEGIN: 01/01/88
FIELD: None
END: 06/30/88

ACTIVITY TITLE: Social Benefits of WSS Projects

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: WASH Project

AUDIENCE: AID Bureaus and Missions

LOCATION: Washington, D.C.

OBJECTIVES: 1) Identify & describe the social benefits that result from WSS projects; 2) Identify potential social benefits most relevant to AID projects; 3) Suggest methods for the assessment, evaluation, & incorporation into project design of social benefits.

SCHEDULE/PLAN: 2nd quarter - Literature review and discussion with WSS experts. 3rd quarter - Preparation and review of draft report.

SKILLS REQUIRED: Social science analyses, project evaluation methodologies, project planning

PERSONNEL: To be determined

FOLLOW-UP: To be determined by results of objective no. 3.

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS	
FY88 TOTAL:	25/25

APPROVED BY: _____

FY88 COST:	14,000
TOTAL COST:	14,000

DATE: _____

FY88 BUYIN:	0
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WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 7
BUREAU: AFR
COUNTRY: Burkina Faso
QUARTER: 0
DATE: BEGIN: 07/01/87
FIELD: Sept./Oct. 1987
END: 03/31/88

ACTIVITY TITLE: BURKINA FASO: Health Education for Guinea Worm Control

ACTIVITY MANAGER: Yacoob

ACTIVITY ORIGIN: Cable 03290

AUDIENCE: Health Educators in PHC program of MOH

LOCATION: Burkina Faso

OBJECTIVES: (a) Training-of-trainers course on health education to prevent guinea worm. (b) Develop curriculum for future courses.

SCHEDULE/PLAN: (1) Assess community behaviors for guinea worm infection (conducted by MOH-PHC personnel). (2) Develop a preventive program based on above findings. (3) TOT workshop in implementation of program.

SKILLS REQUIRED: Trainer, health educator in guinea worm

PERSONNEL: TBD

FOLLOW-UP:

<u>S&T CONTACT:</u>	A.D. Long	LEVEL OF EFFORT IN DAYS	
		FY88 TOTAL:	0/0
<u>APPROVED BY:</u>	_____	FY88 COST:	45,000
		TOTAL COST:	45,000
<u>DATE:</u>	_____	FY88 BUYIN:	0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 8

BUREAU:
COUNTRY:
QUARTER: 2
DATE: BEGIN: 01/01/88
FIELD:
END: 06/30/88

ACTIVITY TITLE: Community Participation: Checklist for Project Evaluation

ACTIVITY MANAGER: Yacoob

ACTIVITY ORIGIN: USAID, PVO

AUDIENCE: PVOs and field officers, engineers, project planners at district levels

LOCATION: Washington, D.C.

OBJECTIVES: Develop a checklist that will identify specific aspects for evaluating community participation.

SCHEDULE/PLAN: Outline issues for evaluation. Develop checklist to ensure that those issues are evaluated.

SKILLS REQUIRED: Social Scientist

PERSONNEL: Yacoob, Pillsbury

FOLLOW-UP: Field test

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 40/40

APPROVED BY: _____

FY88 COST: 17,000
TOTAL COST: 17,000

DATE: _____

FY88 BUY IN: 0

ANNEX B

Subsector 2: HRD/Institutional Development

<u>CODE</u>	<u>TITLE</u>	<u>WASH MANAGER</u>	<u>CATEGORY</u>	<u>FY 88 TOTAL</u>
9	Development of Guidelines for the Training-of-Trainers in WS&S	FR	HRD/Institutional Devel.	35,000
10	Managing WS&S Projects (Year 1)	FR	HRD/Institutional Devel.	10,000
11	Personnel Management Issues in a WS&S Institution	FR	HRD/Institutional Devel.	20,000
			SUBTOTAL:	65,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 9
BUREAU: S&T
COUNTRY:
QUARTER: 2
DATE: BEGIN: 01/01/88
FIELD:
END: 09/30/88

ACTIVITY TITLE: Development of Guidelines for the Training-of-Trainers in WS&S

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: WASH 1987 Retreat

AUDIENCE: Ministries of Health and National Water Authorities

LOCATION: Washington, D.C. and overseas locations

OBJECTIVES: Provide a guide to use in conducting basic TOT workshops which focus on training methodology.

SCHEDULE/PLAN: 1) Review past WASH TOT activities; 2) Design a basic two-week TOT; 3) Write up a TOT manual; 4) Pilot test the manual; 5) Revise.

SKILLS REQUIRED: TOT skills, writing

PERSONNEL: Graeme Frelick, TRG; John Pettit, TRG

FOLLOW-UP: Possible field test

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 70/70

APPROVED BY: _____

FY88 COST: 35,000
TOTAL COST: 35,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 10

BUREAU: S&T
COUNTRY:
QUARTER: 2
DATE: BEGIN: 01/01/88
FIELD:
END: 09/30/88

ACTIVITY TITLE: Managing WS&S Projects (Year 1)

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: WASH 1987 Retreat

AUDIENCE: AID Field Staff, Contractor Staff, Host governments,
project managers

LOCATION:

OBJECTIVES: Capture lessons learned by WASH in improving the
management of WS&S field projects.

SCHEDULE/PLAN: 1) Determine lessons learned; 2) Develop outline for
concise document; 3) First draft; 4) Revisions; 5)
Finalize.

SKILLS REQUIRED: Project management

PERSONNEL: Fred Rosensweig, Craig Hafner, Ellis Turner

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 18/18

APPROVED BY: _____

FY88 COST: 10,000
TOTAL COST: 0

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 11

BUREAU: S&T
COUNTRY:
QUARTER: 2
DATE: BEGIN: 01/01/88
FIELD:
END: 09/30/88

ACTIVITY TITLE: Personnel Management Issues in a WS&S Institution

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: WASH 1987 retreat

AUDIENCE: Project Designers

LOCATION: Washington, D.C.

OBJECTIVES: Provide a practical tool to address the personnel management needs of an institution (e.g. incentives, career advancement, recruitment. selection, etc.)

SCHEDULE/PLAN: 1) Determine most important personnel management issues in typical WS&S inst; 2) Assess existing documents on personnel mngmt in LDC projects; 3) Outline document to assist pr ject designers in addressing personnel mngmt needs; 4) Write draft; 5) Revise

SKILLS REQUIRED: Personnel Management

PERSONNEL:

FOLLOW-UP:

<u>S&T CONTACT:</u>	A.D. Long	LEVEL OF EFFORT IN DAYS	
		FY88 TOTAL:	40/40
<u>APPROVED BY:</u>	_____	FY88 COST:	20,000
		TOTAL COST:	20,000
<u>DATE:</u>	_____	FY88 BUYIN:	0

ANNEX B

Subsector 3: Engineering/O&M

<u>CODE</u>	<u>TITLE</u>	<u>WASH MANAGER</u>	<u>CATEGORY</u>	<u>FY 88 TOTAL</u>
12	Development of Guidelines for Pump/Storage Tank Sizing for Small Rural Water Supply Systems	JKJ	Engineering	13,500
13	Expert System for Wastewater-Disposal Planning and Design	JET	Engineering	13,500
14	Progress in Small Rural Pumping Schemes in the Water Decade		Engineering	38,000
15	Guidelines for Planning Maintenance Management Programs in LDCs	JKJ	Operations & Maintenance	20,000
16	Guide for Community Water System Design	JET	Engineering	25,000
17	Requirements for Local Manufacture of Pumps in LDCs	PR	Engineering	35,000
18	Recycling Waste Products - Possibilities and Limitations	PR	Engineering	40,000
19	MALAWI: Computer-Assisted Design of Water Supply Projects	DBW	Engineering	42,000
20	EGYPT: Assessment of Low Cost Sanitation Alternatives in Cairo	LASH	Engineering	17,500
21	Strategies for U.S. Private Sector Involvement in WSS	DBW	Engineering	20,000
			SUBTOTAL:	264,500

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 12

BUREAU:
COUNTRY:
QUARTER: 0
DATE: BEGIN:
FIELD:
END:

ACTIVITY TITLE: Development of Guidelines for Pump/Storage Tank Sizing
for Small Rural Water Supply Systems

ACTIVITY MANAGER: Jordan

ACTIVITY ORIGIN: Discussion with WASH II Staff, ACT 258 (Pump Selection)

AUDIENCE: Water Supply System Planners/Designers

LOCATION: Washington, D.C.; North Carolina

OBJECTIVES: Develop a handbook for correct sizing of optimal
pump/storage systems.

SCHEDULE/PLAN: 1) Review existing literature/design procedures; 2)
Develop improved pump/storage tank sizing procedures
using optimization technologies; 3) Prepare pump/storage
sizing manual; 4) Disseminate

SKILLS REQUIRED: Engineering, Operations Research

PERSONNEL: Alan Wyatt, RTI

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 25/25

APPROVED BY: _____

FY88 COST: 13,500
TOTAL COST: 13,500

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 13

BUREAU: S&T

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/01/87

FIELD:

END: 09/30/88

ACTIVITY TITLE: Expert System for Wastewater-Disposal Planning and Design

ACTIVITY MANAGER: Turner

ACTIVITY ORIGIN: University of North Carolina

AUDIENCE: AID, Other Donors, Development Planners, PVOs,
Governments

LOCATION: Chapel Hill, NC; Washington, D.C.

OBJECTIVES: Determine need for and characteristics of a microcomputer model that can assist in design of on-site disposal systems by solving ground-water flow and contaminant transport problems.

SCHEDULE/PLAN: 1) Assess need for model through interviews with AID, UNICEF, UNDP, World Bank personnel; 2) specify parameters and goals of modeling activity; 3) develop flowchart and model specifications; 4) provide report with recommendations for further action.

SKILLS REQUIRED: Ground-water engineering, systems analysis, computer programming (C, FORTRAN, & Prolog languages), & technical writing.

PERSONNEL: Cass T. Miller, graduate research assistant at UNC

FOLLOW-UP: TBD

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 0/0

APPROVED BY: _____

FY88 COST: 13,500
TOTAL COST: 13,500

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 14

BUREAU:
COUNTRY:
QUARTER: 0
DATE: BEGIN:
FIELD:
END:

ACTIVITY TITLE: Progress in Small Rural Pumping Schemes in the Water Decade

ACTIVITY MANAGER:

ACTIVITY ORIGIN:

AUDIENCE:

LOCATION:

OBJECTIVES: Enumerate and evaluate WASH's progress thus far in meeting the goals and objectives of the UN Water Decade with respect to small scale pumped rural water supplies.

SCHEDULE/PLAN: 1) Review appropriate WASH (and other related documents);
2) interview WASH senior people and outside consultants, as well as UNDP and IBRD personnel; 3) Develop overview;
4) Write report.

SKILLS REQUIRED: Experts in technical/management, O&M, community participation, technology choices, training

PERSONNEL: Phil Roark, Jonathan Hodgkin, Jamie Thomson, Rick McGowan, Ellis Turner or Jim Jordan

FOLLOW-UP:

S&T CONTACT:	A.D. Long	LEVEL OF EFFORT IN DAYS	
		FY88 TOTAL:	0/0
APPROVED BY:	_____	FY88 COST:	38,000
		TOTAL COST:	38,000
DATE:	_____	FY88 BUYIN:	0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 15
BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 04/30/87

ACTIVITY TITLE: Guidelines for Planning Maintenance Management Programs
in LDCs

ACTIVITY MANAGER: Jordan

ACTIVITY ORIGIN: ACT 223

AUDIENCE: O&M Managers; Program Planners

LOCATION: USA

OBJECTIVES: Provide WS&S utilities' management with guidelines for
planning and implementing maintenance management systems
for urban WS&S systems.

SCHEDULE/PLAN:

SKILLS REQUIRED: TBD

PERSONNEL:

FOLLOW-UP: None planned

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 30/30

APPROVED BY: _____

FY88 COST: 20,000
TOTAL COST: 20,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 16
BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD: None
END: 06/30/88

ACTIVITY TITLE: Guide for Community Water System Design

ACTIVITY MANAGER: Turner

ACTIVITY ORIGIN: WASH staff

AUDIENCE: AID missions, PVOs, and other WS implementing organizations

LOCATION: Washington, D.C.

OBJECTIVES: Prepare a guidebook which shows examples of water system design for gravity, pumped, and handpump system. Examples will show use of design criteria to size facilities and impact of level of service on costs (Capital and O&M).

SCHEDULE/PLAN: 1) Develop a guidebook with example design calculations.
2) Circulate guidebook for review by appropriate agencies and individuals. 3 Plan for Phase II field test.

SKILLS REQUIRED: Water supply engineer familiar with community water supply projects

PERSONNEL: TBD

FOLLOW-UP: Phase II field test of the guidebook

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 43/43

APPROVED BY: _____

FY88 COST: 25,000
TOTAL COST: 25,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 17

BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 06/01/88

ACTIVITY TITLE: Requirements for Local Manufacture of Pumps in LDCs

ACTIVITY MANAGER: Roark

ACTIVITY ORIGIN:

AUDIENCE: USAID, UNICEF

LOCATION: Washington, sites to be determined

OBJECTIVES: Establish criteria for determining the appropriateness of local manufacture of pumps.

SCHEDULE/PLAN: 1) Review existing literature and identify representative countries; 2) Collect data from representative countries; 3) Analyze data and prepare report.

SKILLS REQUIRED: Industrial engineer; Financial analyst

PERSONNEL: TBD

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 60/60

APPROVED BY: _____

FY88 COST: 35,000
TOTAL COST: 35,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 18

BUREAU:
COUNTRY:
QUARTER: 0
DATE: BEGIN:
FIELD:
END:

ACTIVITY TITLE: Recycling Waste Products - Possibilities and Limitations

ACTIVITY MANAGER: Roark

ACTIVITY ORIGIN:

AUDIENCE: USAID

LOCATION: Washington, D.C. and sites TBD

OBJECTIVES: To provide guidelines of recycling waste products (trash, sewage, wastewater). Determine behavioral causes for recycling. Provide limitations particularly health aspects of recycling.

SCHEDULE/PLAN: 1) Literature review; 2) Choose sites for field survey (consider Djibouti); 3) Collect field data; 4) Compare data with other case studies such as China; 5) Collate information and prepare report.

SKILLS REQUIRED: Social scientist and solid waste engineer

PERSONNEL: TBD

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 80/80

APPROVED BY: _____

FY88 COST: 40,000
TOTAL COST: 40,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 19

BUREAU: AFR
COUNTRY: Malawi
QUARTER: 4
DATE: BEGIN: 07/01/88
FIELD: July 1988
END: 09/30/88

ACTIVITY TITLE: MALAWI: Computer-Assisted Design of Water Supply Projects

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: Malawi MASH Planning, February/March 1987

AUDIENCE: Ministry of Works and Supplies (MOWS)

LOCATION: Lilongwe, Malawi

OBJECTIVES: To help establish computer-assisted design of rural piped water projects within the MOWS. This will involve the procurement of an IBM-compatible microcomputer and peripherals, the use of World Bank design software, and the holding of a training course.

SCHEDULE/PLAN: 4th quarter - Procure computer and hold a 2 to 3 week training course

SKILLS REQUIRED: Hydraulic design, microcomputer applications

PERSONNEL: Paul Hebert, consultant\Second consultant (to be determined)

FOLLOW-UP: Possible refresher course after one year.

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 45/45

APPROVED BY: _____

FY88 COST: 42,000
TOTAL COST: 42,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 20

BUREAU: ANE
COUNTRY: Egypt
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD: None
END: 12/31/87

ACTIVITY TITLE: EGYPT: Assessment of Low Cost Sanitation Alternatives in Cairo

ACTIVITY MANAGER: St. Michel

ACTIVITY ORIGIN: Ambric Project in Cairo; OTD 77

AUDIENCE: ANE Missions and Bureaus

LOCATION: Washington, D.C.

OBJECTIVES: Provide information on low cost urban sanitation alternatives by summarizing the study of and lessons learned in the Cairo unsewered areas project.

SCHEDULE/PLAN: 1) Review report on unsewered areas in Cairo; 2) Develop a summary document to present study methodology and lessons learned.

SKILLS REQUIRED: Urban sanitation engineer familiar with Cairo study

PERSONNEL: Paul Gustafson

FOLLOW-UP: TBD

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 25/25

APPROVED BY: _____

FY88 COST: 17,500
TOTAL COST: 17,500

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 21

BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 03/31/88

ACTIVITY TITLE: Strategies for U.S. Private Sector Involvement in WSS

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: Meeting with WPCF

AUDIENCE: S&T/H and U.S. private sector

LOCATION: USA

OBJECTIVES: To formulate strategies to assist U.S. private sector organizations (consulting firms, equipment manufacturers) in becoming more active in WSS activities.

SCHEDULE/PLAN: 1) Concept formulation: literature search, discussions with WSS organizations; 2) Preparation of Draft Report; 3) Seminar on strategies.

SKILLS REQUIRED: Engineering, economics, marketing, public policy

PERSONNEL: WOC personnel and selected consultants

FOLLOW-UP: To be determined

<u>S&T CONTACT:</u>	A.D. Long	LEVEL OF EFFORT IN DAYS	
		FY88 TOTAL:	30/30
<u>APPROVED BY:</u>	_____	FY88 COST:	20,000
		TOTAL COST:	20,000
<u>DATE:</u>	_____	FY88 BUYIN:	0

ANNEX B

Subsector 4: Financial Management

<u>CODE</u>	<u>TITLE</u>	<u>WASH MANAGER</u>	<u>CATEGORY</u>	<u>FY 88 TOTAL</u>
22	Development of Macroeconomic/Health Model for Water Supply and Sanitation	JET	Financial Management	12,500
			SUBTOTAL:	12,500

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 22

BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 03/01/88

ACTIVITY TITLE: Development of Macroeconomic/Health Model for Water Supply and Sanitation

ACTIVITY MANAGER: Turner

ACTIVITY ORIGIN: RTI

AUDIENCE: Mission Health & Development Planners, Bureaus, S&T Washington

LOCATION:

OBJECTIVES: Determine need for and characteristics of a microcomputer model that would permit project designers and planners to analyze and demonstrate the economic benefits of WS&S projects.

SCHEDULE/PLAN: 1) Assess need for model through interviews with AID and Mission personnel; 2) specify parameters and goals of modeling activity; 3) Develop flowchart and model specifications; 4) provide report with recommendations for further action.

SKILLS REQUIRED: Economics, Health, Pascal Programming

PERSONNEL: Sally Johnson, May Yacoob, RTI programmer, UNC economists

FOLLOW-UP: TBD

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 20/20

APPROVED BY: _____

FY88 COST: 12,500
TOTAL COST: 12,500

DATE: _____

FY88 BUYIN: 0

ANNEX B

Subsector 5: Other

<u>CODE</u>	<u>TITLE</u>	<u>WASH MANAGER</u>	<u>CATEGORY</u>	<u>FY 88 TOTAL</u>
23	Evaluability Assessment for WS&S Projects	MY	Cross-Cutting/App. to AID	23,000
24	Development of a Diskette Presentation for WASH and WS&S		Information	10,000
25	Monograph on the WASH Experience		Information	50,000
26	Evaluation Guidelines for the Management of Small Rural Water Pumping Systems		Cross-Cutting/App. to AID	18,000
27	Revision of Users' Manual for WASH Training Guide	FR	Information	6,000
28	Technical Assistance Support to AID-funded Research Projects	DBW	Cross-Cutting/App. to AID	15,000
29	Economic Benefits of WSS Projects	DBW	Cross-Cutting/App. to AID	14,000
30	Guidelines for Drought Emergency - WS&S Initiatives	PR	Cross-Cutting/App. to AID	11,000
31	WASH Intern Support	DBW	Information	20,000
32	Data Base for Management of WS&S Projects	CB	Information	13,000
33	Environmental Impacts of WS&S	PR	Cross-Cutting/App. to AID	15,000
34	MALAWI: Information Systems Study	DBW	Information	15,000
			SUBTOTAL:	210,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 23

BUREAU: S&T
COUNTRY:
QUARTER: 2
DATE: BEGIN: 01/01/88
FIELD:
END: 03/01/88

ACTIVITY TITLE: Evaluability Assessment for WS&S Projects

ACTIVITY MANAGER: Yacoob

ACTIVITY ORIGIN: RTI, WOC

AUDIENCE: USAID Missions and Bureaus, S&T/H, PVOs

LOCATION: U.S.

OBJECTIVES: Assess relative value of epidemiological & behavioral process data in the evaluation of WSS projects. Summarize the body of WASH work in this area & the evolution of the WASH & USAID philosophy. Identify design problems. Specify core data set.

SCHEDULE/PLAN: 1) Review WASH reports & other literature; 2) Review WASH & other evaluation reports; 3) Recommend solutions to design problems; 4) Recommend core set of behavioral data; 5) Identify potential sources of data; 6) Summarize WASH work in health evaluations

SKILLS REQUIRED: Public Health, Evaluation Research, Health Statistics, Epidemiology, Health Education

PERSONNEL: Steven Garfinkel, Deborah Gibbs, Kenneth McLeroy, May Yacoob

FOLLOW-UP: Critique new projects in light of core data and design recommendations.

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 55/55

APPROVED BY: _____

FY88 COST: 23,000
TOTAL COST: 23,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 24

BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 01/01/88

ACTIVITY TITLE: Development of a Diskette Presentation for WASH and WS&S

ACTIVITY MANAGER:

ACTIVITY ORIGIN: WASH II Staff

AUDIENCE: Mission Health & Development Planners, Bureaus,
S&T/Washington

LOCATION:

OBJECTIVES: Develop microcomputer based diskette that describes the
WASH Project & presents the benefits of WS&S activities
for health & economic development. Presentation/Demo --
30 minutes and will use IBM Storyboard @ software or
equiv for IBM/WANG compatible.

SCHEDULE/PLAN: 1) Specify content of presentation with WASH and S&T/H
personnel; 2) Develop script; 3) Program presentaiton; 4)
Provide demonstration of presentaiton to key AID and
donor personnel.

SKILLS REQUIRED: WASH experienced, programmer

PERSONNEL: Sally Johnson, May Yacoob, RTI programmer, UNC economists

FOLLOW-UP: Distribution

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 15/15

APPROVED BY: _____

FY88 COST: 10,000
TOTAL COST: 10,000

DATE: _____

FY88 BUYIN: 0

WASH P.
ACTIVI'

ACTIVITY:

CODE: 25

BUREAU:
COUNTRY:
QUARTER: 0
DATE: BEGIN: 09/01/87
FIELD:
END: 08/31/88

ACTIVITY TITLE: Monograph on the WASH Experience

ACTIVITY MANAGER:

ACTIVITY ORIGIN:

AUDIENCE: Water resources professionals and policy makers

LOCATION: UNC at Chapel Hill

OBJECTIVES: To prepare a book-length monograph which summarizes the major experiences, findings and conclusions of the WASH Project.

SCHEDULE/PLAN: September 1987 - August 1988

SKILLS REQUIRED: Individuals with extensive experience in the water supply and sanitation sector, and with demonstrated writing skills

PERSONNEL: Daniel Okun, assisted by Donald Lauria, Dale Whittington, Geni Eng, and a graduate research assistant

FOLLOW-UP: None

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 275/0

APPROVED BY: _____

FY88 COST: 50,000
TOTAL COST: 50,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 26

BUREAU:
COUNTRY:
QUARTER: 0
DATE: BEGIN:
FIELD:
END:

ACTIVITY TITLE: Evaluation Guidelines for the Management of Small Rural Water Pumping Systems

ACTIVITY MANAGER:

ACTIVITY ORIGIN:

AUDIENCE:

LOCATION:

OBJECTIVES: Develop a set of guidelines which can be used to evaluate the effectiveness of existing or proposed management structures for small rural water pumping systems.

SCHEDULE/PLAN: 1) Develop a conceptual approach to evaluating management and planning activities for pumped rural water supplies; 2) Review WASH documents; 3) Conduct interviews; 4) Write report.

SKILLS REQUIRED: Engineer (familiar with rural water pumping systems); Sociologist or anthropologist

PERSONNEL: Rick McGowan or Jonathan Hodgkin; Abe Waldstein

FOLLOW-UP: Develop training course which could be used to train field workers in the use of the proposed guidelines. Implement training program on a country-wide or regional basis.

S&T CONTACT: A.D. Long
LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 35/35

APPROVED BY: _____
FY88 COST: 18,000
TOTAL COST: 18,000

DATE: _____
FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 27

BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD:
END: 03/30/88

ACTIVITY TITLE: Revision of Users' Manual for WASH Training Guide

ACTIVITY MANAGER: Rosensweig

ACTIVITY ORIGIN: Peace Corps request

AUDIENCE: Users of WASH Training Guides

LOCATION: Washington, D.C.

OBJECTIVES: Provide a simple manual which will enable field personnel to use the WASH Training Guides more effectively.

SCHEDULE/PLAN: 1) Assess use of WASH Training Guides to date; 2) Revise current WASH Users Guide to address problems field personnel have had in using them; 3) Design a 1-2 orientation program to introduce users to WASH Training Guides; 4) Pilot test & make revisions.

SKILLS REQUIRED:

PERSONNEL: Rosensweig

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 10/10

APPROVED BY: _____

FY88 COST: 6,000
TOTAL COST: 6,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 28

BUREAU: S&T

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/01/87

FIELD: None

END: 09/30/88

ACTIVITY TITLE: Technical Assistance Support to AID-funded Research Projects

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: WASH Project

AUDIENCE: S&T/H and Regional Bureaus

LOCATION: D.C. & offices of research grantees

OBJECTIVES: Provide tech. advisory assist. to non-WASH organiz. conducting WSS research w/ AID funds. Assist organiz. to carry out work efficiently & w/ understanding of previous research efforts. Ensure that research activities are carried out in interest of AID.

SCHEDULE/PLAN: To be determined by the needs of AID and its research organizations.

SKILLS REQUIRED: To be determined

PERSONNEL: To be determined

FOLLOW-UP: To be determined

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 20/20

APPROVED BY: _____

FY88 COST: 15,000
TOTAL COST: 15,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 29

BUREAU: S&T
COUNTRY:
QUARTER: 2
DATE: BEGIN: 01/01/88
FIELD: None
END: 06/30/88

ACTIVITY TITLE: Economic Benefits of WSS Projects

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: WASH Project

AUDIENCE: AID Bureaus and Missions

LOCATION: Washington, D.C.

OBJECTIVES: 1) Identify & describe the economic benefits that can result from WSS projects; 2) Identify potential econ. benefits most relevant to AID projects; 3) Suggest methods for the assessment, evaluation, & incorporation into project design of econ. benefits

SCHEDULE/PLAN: 2nd quarter - Literature review and discussion with WSS experts. 3rd quarter - Preparation and review of draft report

SKILLS REQUIRED: Economic analysis, project evaluation methodologies, project planning

PERSONNEL: To be determined.

FOLLOW-UP: To be determined by results of objective no. 3.

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 25/25

APPROVED BY: _____

FY88 COST: 14,000
TOTAL COST: 14,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 30

BUREAU: S&T
COUNTRY:
QUARTER: 1
DATE: BEGIN: 09/01/87
FIELD:
END: 12/31/87

ACTIVITY TITLE: Guidelines for Drought Emergency - WS&S Initiatives

ACTIVITY MANAGER: Roark

ACTIVITY ORIGIN: Discussions with OFDA

AUDIENCE: OFDA, PVO

LOCATION: U.S.A.

OBJECTIVES: 1) Delineate differences between emergency aid and longer term development assistance; 2) Describe information requirements and specific actions for drought emergencies; 3) Develop strategies for emergency short and medium term WS&S interventions.

SCHEDULE/PLAN: 1) Prepare draft report for OFDA and PVO discussion; 2) Incorporate comments and prepare final report.

SKILLS REQUIRED: Experience in emergency drought assistance.

PERSONNEL: P. Roark

FOLLOW-UP: None

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 18/18

APPROVED BY: _____

FY88 COST: 11,000
TOTAL COST: 11,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 31

BUREAU: S&T
COUNTRY:
QUARTER: 0
DATE: BEGIN: 10/01/87
FIELD: None
END: 09/30/88

ACTIVITY TITLE: WASH Intern Support

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: Ann Van Dusen, S&T/Health

AUDIENCE: WASH Project Staff and AID/S&T/H

LOCATION: Washington, D.C.

OBJECTIVES: To involve an IDI (International Development Intern) in WASH Project activities as part of their initial year of training.

SCHEDULE/PLAN: Assuming a 6 month internship, the intern would work 50% on a specific assignment (probably a study) and 50% on general WASH activity support.

SKILLS REQUIRED: Public health, hygiene education, and/or economics.

PERSONNEL: AID International Development Intern (IDI)

FOLLOW-UP: None

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 125/125

APPROVED BY: _____

FY88 COST: 20,000
TOTAL COST: 20,000

DATE: _____

FY88 BUYIN: 15,000

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY: CODE: 32

BUREAU: S&T
COUNTRY: Worldwide
QUARTER: 1
DATE: BEGIN: 10/01/87
FIELD: None
END: 02/01/88

ACTIVITY TITLE: Data Base for Management of WS&S Projects

ACTIVITY MANAGER: Brown

ACTIVITY ORIGIN: Discussions with D. Long

AUDIENCE: S&T/H, USAID Bureaus and Missions

LOCATION: Washington, D.C.

OBJECTIVES: Develop and package a computer based software program which will assist AID missions in collecting and monitoring WS&S programs.

SCHEDULE/PLAN: 1) Develop criteria for basic data needs by AID missions in management of WS&S programs; 2) Select/enhance software for above need; 3) Develop user-friendly program; 4) Prepare manual.

SKILLS REQUIRED: Financial/Management Information Specialist

PERSONNEL: C. Brown, Consultant

FOLLOW-UP: TBD Field Test Program

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 35/35

APPROVED BY: _____

FY88 COST: 13,000
TOTAL COST: 13,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 33

BUREAU:

COUNTRY:

QUARTER: 1

DATE: BEGIN: 10/01/87

FIELD:

END: 03/01/88

ACTIVITY TITLE: Environmental Impacts of WS&S

ACTIVITY MANAGER: Roark

ACTIVITY ORIGIN:

AUDIENCE: USAID

LOCATION: Washington, D.C.

OBJECTIVES: To provide guidelines for assessing and mitigating environmental impacts of WS&S projects.

SCHEDULE/PLAN: 1) Literature review; 2) Coordinate with World Bank environmental activities; 3) Prepare report.

SKILLS REQUIRED: Environmental Scientist

PERSONNEL: P. Roark

FOLLOW-UP:

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 25/25

APPROVED BY: _____

FY88 COST: 15,000
TOTAL COST: 15,000

DATE: _____

FY88 BUYIN: 0

WASH PROJECT FY 1988
ACTIVITY SHEET

ACTIVITY:

CODE: 34

BUREAU: AFR
COUNTRY: Malawi
QUARTER: 3
DATE: BEGIN: 04/01/88
FIELD: May 1988
END: 06/30/88

ACTIVITY TITLE: MALAWI: Information Systems Study

ACTIVITY MANAGER: Warner

ACTIVITY ORIGIN: Malawi MASH Planning, Feb-Mar 1987

AUDIENCE: Malawi Ministry of Works and Supplies (MOWS)

LOCATION: Lilongwe, Malawi

OBJECTIVES: To carry out a feasibility study for the establishment of new information management procedures in the MOWS to support the piped rural water supply program.

SCHEDULE/PLAN: May 1988 - Field visit to Malawi to assess program needs and recommend actions. June 1988 - Final report presented to Mission.

SKILLS REQUIRED: Information systems expert with knowledge of information systems and technical libraries in LDC's

PERSONNEL: Dan Campbell

FOLLOW-UP: To be determined, possibly a similar study for the Ministry of Health HESP office

S&T CONTACT: A.D. Long

LEVEL OF EFFORT IN DAYS
FY88 TOTAL: 20/20

APPROVED BY: _____

FY88 COST: 15,000
TOTAL COST: 15,000

DATE: _____

FY88 BUYIN: 0