

DRAFT

**WATER SECTOR ACTIVITIES
IN GHANA**

OCTOBER 15, 1992

824-GH92-10349

DRAFT

**WATER SECTOR ACTIVITIES
IN GHANA**

BARCODE 10349
824 GH 92

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ACCRA, October 15, 1991

INTRODUCTION

Following an inter-agency meeting held in May 1992 the Ministry of Works and Housing authorized on the 7th of May the Canadian International Development Agency and its Programme Support Unit to issue to all donors, NGO's and government institutions involved in the Water Sector, the Project Presentation sheets prepared in consultation with representatives of the Ministry, GWSC, IBRD/UNDP, WATER AID and CIDA.

At this stage, we present for consultation and analysis a draft document collating the information received to this date. We realize it is not a perfect document and would thus appreciate your comments at an early date.

We wish to emphasize our special thanks to Mr. Ron Bannerman and his staff for producing a very comprehensive survey of the NGO's in the country.

The final draft will also deal with the financial implication of donors in the Ghana's Water Sector and would appreciate your suggestions as to the way the figures should be presented.

The information as it comes in, is computerized and will be updated on a regular basis.

We thank you for your cooperation.

Signed: Gerald Chauvet
(First Secretary)
CIDA

TABLE OF DONORS

TABLE OF DONORS

1. AUSTRIA
2. CANADA
3. DENMARK
4. FRANCE
5. GERMANY
6. GREAT BRITAIN
7. NGO'S*
8. UNICEF
9. UNDP
10. WORLD BANK
11. JAPAN

ANNEX "A"

"Historical Contribution of Donors in Ghana Water Sector
Activities" (Completed projects)

ANNEX "B"

*List of NGO's whose project presentation sheets are included in
this draft document (Provisional).

The sheets includes past and current projects. Others are to be
added in the final draft.

WATER SECTOR ACTIVITIES
IN GHANA

Country: AUSTRIA (1)
NGO or Institution

WATER SECTOR ACTIVITIES
IN GHANA

Country: CANADA (2)
NGO or Institution

PROJECT PRESENTATION

Project Title	GWSC ASSISTANCE PROJECT Urban (<input checked="" type="checkbox"/>)/Rural (<input checked="" type="checkbox"/>)		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	GWSC	CIDA/GOG	WARDROP-LMB(GHANA)
Time Frame	FY 89/90 TO FY 93/94		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> Sustainability of Urban Water Supply Systems in 3 regions of Northern Ghana, and Weija Water Treatment Plant. Improved Commercial Optimization of GWSC 	<p>Urban residents in district centres.</p> <p>Urban residents in larger district/regional centres.</p> <p>GWSC personnel in 3 regions.</p>	<p>Community management of O/M or rehabilitated water supply systems.</p> <p>Enhanced GWSC management of rehabilitated water supply systems.</p> <p>Training, Institutional Strengthening.</p>
Project Objectives	Outputs	Activities	
	<ul style="list-style-type: none"> Eng. Design criteria/Std. Rehab'd Water Systems. Community Management Programme. Enhancing Financial Viability of GWSC. Leak Detection/Repair Programme. Demos of Solar/Slow Sand Filters. Training(GWSC/Communities) 	<p>Design criteria report - preliminary design report.</p> <p>Rehab'd plans underway in all priority communities.</p> <p>Commercial Optimization Programme under preparation.</p> <p>Programme established and being implemented.</p> <p>Initial solar demo installed, other demos being planned.</p> <p>Training of GWSC and communities underway.</p>	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (c)
	Total. \$23 million To Date:	Total: 6.5 Billion Cedis To Date:	Total: Beneficiaries pay To Date: full cost of o/m

PROJECT PRESENTATION

Project Status	Achievements (Including Appropriate Technology Initiatives) Community Management strategy - Board Institutionalization - Participatory Planning - Training Technical/Community O/M Strategy < Financial/Commercial Solar Pump Installations	Constraints/Problems Recent Cedi Budget reduction of 80% Logistical problems in remote areas of Northern Ghana.
	Technical Assistance Components Water System Installation 8 millions Community Management Procurement Commercial/Financial Optimization Training	
Contact Persons	Ghanalans Name: Peter Akari Address: GWSC P.O. Box 5 Tamale Phone: 2358 Ike Fosu	Expatriates Name: John Parry Address: GWSC, Box 5 Tamale Phone: 2358 Andrew Livingstone
	Literature Available Various Field, Technical Papers Community Management Strategy Quarterly/Semi Annual Reports	Location GWSC, Tamale, Wa, Bolgatanga GWSC, Accra CIDA, Accra

WATER SECTOR ACTIVITIES
IN GHANA

Country: DENMARK (3)
NGO or Institution

WATER SECTOR ACTIVITIES
IN GHANA

Country: FRANCE (4)
NGO or Institution

PROJECT PRESENTATION

Page 1

Project Title	RURAL WATER SUPPLY IN CENTRAL REGION			Urban ()/Rural ()
Agencies	Implementation Agency	Funding Agency	Executing Agency	
	GWSC	Caisse Centrale de Coop. Econom.	BURGEAP	
Time Frame	30 months 12/90 to 06/93			
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework	
	<ul style="list-style-type: none"> - Provision of drinking water to rural communities - Maintenance of water supply by rural communities 	Rural communities of 300 to 2000 inhabitants - Total of 150,000 people	<ul style="list-style-type: none"> - Active participation of villagers (maintenance) - Policy of decentralization of rural supply and maintenance 	
Project Objectives	Outputs	Activities		
	450 boreholes fitted with Vergnet pumps	<ul style="list-style-type: none"> - Village level animation - Drilling - Fitting of pumps - Training of mechanics - Spare parts network 		
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)	
	Total: To Date: 46 M FF	Total: To Date:	Total: To Date: ¢70,000 per village	

**WATER SECTOR ACTIVITIES
IN GHANA**

**Country: GERMANY (5)
NGO or Institution**

PROJECT PRESENTATION

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Project Title	TECHNICAL ASSISTANCE TO GWSC, EASTERN REGION (X)		Urban (X)/Rural
Agencies	Implementation Agency	Funding Agency	Executing Agency
	GWSC	MIN. OF ECON. CO.OP./GTZ, FRG	RODOCO CONSULTING GmbH
Time Frame			
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Water borne and sanitary related diseases in the project area - Insufficient efficiency of GWSC services in E.R. 	Urban/Rural residents in communities GWSC staff in E.R	<ul style="list-style-type: none"> - Rehabilitation of 35 water supply systems - Implementation of a sanitation (KVIP) construction program - Institutional strengthening manpower training
Project Objectives	Outputs	Activities	
	<ul style="list-style-type: none"> - Reliability of water supply services in 35 communities - Improved necessary skills - Upgrading of target groups carried out - Sanitation programme extended - Management of GWSC, E.R improved 	<ul style="list-style-type: none"> - Continue rehabilitation programme - Implement KFW-Sector programme - Electrify stations, Implement slow sand filter system - Carry out training programmes - Institutionalize sanitation program - Conduct organisational constraints analysis - Intensify MIS Structure - Promote community participation - Improve revenue collection 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total: 20.7 M DM To Date:	Total: According to local Dev. Budget To Date:	Total: Beneficiaries pay water bills To Date:

PROJECT PRESENTATION

Page 2

Project Status	Achievements (including Appropriate Technology Initiatives)	Constraints/Problems
	<ul style="list-style-type: none"> - Unaccounted for water rates 34% '89 14.8% '92 - Collection rate 73% '89, 95.7% '92 - Average days of operation/month; no data available - Total training man/weeks 170 (½ year)- '92 in 35 communities in E.E 	<ul style="list-style-type: none"> - Overaged surface water treatment plants - Budget reduction (Cedis) - Vacant staff positions (GWSC)
	Technical Assistance Components Training, Procurement, Institutional Optimization Rehabilitation, Logistics Community Participation	
Contact Persons	Ghanaians	Expatriates
	Name: Address: Phone: Ing. S.E. Kena Amoah Box 406, Koforidua 081-2587	Name: Address: Phone: Dipl. Ing R. Sibum Box 1757, Accra 663790/081-1415
Literature Available	Field Papers, Progress Reports, Plan of Operation	Location
	Half Annually Project Progress Reports Project Progress Review 1991, Community Participation (KVIP Report, Various Technical Papers, TOPP (Target Oriented Project Planning) Workshop Document	GWSC - HO, Accra Room 112 RODECO Consulting Office

WATER SECTOR ACTIVITIES
IN GHANA

Country: GREAT BRITAIN (6)
NGO or Institution

WATER SECTOR ACTIVITIES
IN GHANA

Country: NGO's (7)
NGO or Institution

PROJECT PRESENTATION

Page 1

Project Title	Urban ()/Rural ()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	ACTION AID TAMALE	INDIVIDUAL DONATIONS	WATER AID TO EXECUTE
Time Frame	1990 JUNE DEC. 1992		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Poor water sources - Eradication of W.B.D. 	Northern Region <ul style="list-style-type: none"> - Sapeliga - Teshie 	<ul style="list-style-type: none"> - Provide hand dug wells - Training for villagers maintenance - Health Education
Project Objectives	Outputs	Activities	
	<ul style="list-style-type: none"> - Still in Planning Phase 	<ul style="list-style-type: none"> - Training Action Aid staff for construction work - Educational campaigns - Forming Water Committees in villages - Beneficiaries to provide labour 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total: C1M To Date:	Total: N.A. To Date:	Total: N.A To Date:

PROJECT PRESENTATION

Page 2

Project Status	Achievements (including Appropriate Technology Initiatives)	Constraints/Problems
	<ul style="list-style-type: none"> - Water development yet to start - Education programmes very effective 	<ul style="list-style-type: none"> - Envisage problem of sustaining the project - Villagers already giving indications about non payment of water tariffs - Mobilizing community not easy
	Technical Assistance Components	
	Water Aid - Hand Dug Wells	
Contact Persons	Ghanaians	Expatriates
	Name: Address: Phone: Alex Amoah Action Aid Program Manager Bawku Box 60	Name: Address: Phone: Mary Martin Same
Literature Available	Field Papers, Progress Reports, Plan of Operation	Location
	Proposals on Water Development	Cocoa House (Behind Ababon Market) Zogbeli Tamale

PROJECT PRESENTATION

Page 1

Project Title	ADVENTIST DAY RELIEF AGENCY - WATER PROGRAMME		Urban()/Rural()
Agencies	Implementation Agency	Funding Agency	Executing Agency
	ADRA	USAID	ADRA
Time Frame	1986 - 1991		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Potable water - Reduce incidence of water borne diseases - Reduce trekking for water 	Rural Communities in 10 regions	<ul style="list-style-type: none"> - Provision of boreholes - Health education - Community participation - ADRA provides food for work - ADRA 40% of project cost - Community provides 60% of cost
Project Objectives	Outputs	Activities	
	<ul style="list-style-type: none"> - Assisted in providing 5 wells 	<ul style="list-style-type: none"> - Siting of hand dug wells (by GWSC) - Supervision and monitoring (ADRA) - Lining of wells (ADRA provides cement and community sand) - Education by ADRA - Community puts forward people to dig 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total: C28,362,229.82 To Date:	Total: C20M To Date:	Total: N.A. To Date:

PROJECT PRESENTATION

Page 1

Project Title	VILLAGE WATER SUPPLIES ASHANTI ()			Urban ()/Rural
Agencies	Implementation Agency	Funding Agency	Executing Agency	
	AGC OBUASI	AGC OBUASI	GWSC	
Time Frame	OCTOBER 1991 - 1992			
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework	
	- Actual & Potential contamination of traditional sources of drinking water by mining and mineral resource operations	Obuasi: Ashanti Region	<ul style="list-style-type: none"> - Identity target villages in cooperation with local district administration - Estimate population - Calculate number of boreholes needed - Ask GWSC to drill the boreholes 	
Project Objectives	Outputs	Activities		
	17 Boreholes 2 of them dry	<ul style="list-style-type: none"> - Drilling boreholes - Installing hand pumps 		
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)	
	Total:C60 Million To Date:	Total:N.A. To Date:	Total:N.A. To Date:	

PROJECT PRESENTATION

Project Status	Achievements (including Appropriate Technology Initiatives)	Constraints/Problems
	- Potable water to targeted areas	- 2 Dry holes - No detailed records of past drilling
	Technical Assistance Components	
GWSC		
Contact Persons	Ghanaians	Expatriates
	Name: Address: Phone: Dr. K. Ofori Tutu 0582-475 Mine Office P.O. Box 10	Name: Address: Phone: Bob Jenson 0582-475 Mine Office P.O. Box 10
Literature Available	Field Papers, Progress Reports, Plan of Operation	Location
	Progress Reports - AGC Monthly Report April 1992 Drilling Reports - GWSC Ref ENV 727 R.KT	AGC Environmental Department Obuasi

PROJECT PRESENTATION

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Project Title	Urban ()/Rural ()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	Catholic Diocese-Cape Coast	MISEREO GERMANY	PRAKLA SIEMOS
Time Frame	1989 - 1992		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Potable water - Reduce incidence of water borne diseases 	Central Region	<ul style="list-style-type: none"> - Provision of boreholes, Hand dug wells - Health Education - Community participation
Project Objectives	Outputs	Activities	
	<ul style="list-style-type: none"> - 33 Boreholes - 41 Hand dug wells 	<ul style="list-style-type: none"> - Education Campaigns - Water Maintenance Committee - Drilling and installation of pumps <p style="text-align: center;">OF PLATFORMS 7 DRAINAGE</p>	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total:DM275,700 To Date:	Total:N.A. To Date:	Total:C2,475,000 To Date:

PROJECT PRESENTATION

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Project Title	Urban ()/Rural ()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	CATHOLIC DIOCESE T'DI	CATHOLIC DIOCESE	LOCAL CONTRACTORS
Time Frame	1982 - 1982		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	- Potable water during drought period	Western Region	Provision of hand dug wells
Project Objectives	Outputs	Activities	
	- 8 Hand Dug Wells None operations	- Apart from first project nothing else done to date	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total:DM200,000 To Date:	Total:N.A. To Date:	Total:N.A. To Date:

PROJECT PRESENTATION

Page 1

Project Title	VILLAGE WATER RESERVOIR PROJECT			Urban ()/Rural ()
Agencies	Implementation Agency	Funding Agency	Executing Agency	
	CATHOLIC DIOCESE TAMALE	CEBEMO-NETHERLANDS	SAWA - NETHERLANDS	
Time Frame	1987 - ONGOING			
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework	
	<ul style="list-style-type: none"> - Provide surface water for horseshoe area - Dry season water shortage - Difficult rock formation for drilling 	Northern Region <ul style="list-style-type: none"> - Tolon-Kumbungu 	<ul style="list-style-type: none"> - Provision of dugout wells - Animation & Social surveys - Technical section excavate 	
Project Objectives	Outputs	Activities		
	<ul style="list-style-type: none"> - 14 - 18 Dugout wells 	<ul style="list-style-type: none"> - Animation and surveys - Training of village water maintenance team - Actual excavating and construction - Local contribution; 10% Financial - Contribution in kind; food, shelter and labour 		
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)	
	Total: To Date:	Total:N.A. To Date:	Total: To Date:	

Project Status	Achievements (including Appropriate Technology Initiatives)	Constraints/Problems
	<ul style="list-style-type: none"> - Reduction in water borne diseases - Economic activity increased FEG Gardens - Improved Health practices - Consultancy to other NGO's 	<ul style="list-style-type: none"> - Unwillingness on the part of some villages to maintain the dams - This leads to erosion of soil - Soil profiles make it difficult to undertake projects
	Technical Assistance Components	
	<ul style="list-style-type: none"> - Equipments foreign - Wells are locally designed 	
Contact Persons	Ghanaians	Expatriates
	Name: Address: Phone: Mark Atta Ben Box 42, Tamale 2425 Development Coordinator Archdiocese, Tamale	Name: Address: Phone: Hans Ves Village Water, Reservoir Project Tamale
Literature Available	Field Papers, Progress Reports, Plan of Operation	Location
	Field papers, Sectional Reports, Financial Reports	Agric Ridge Archbishop's House Development Office Tamale

PROJECT PRESENTATION

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Project Title	Urban ()/Rural ()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	C.E.D.E.P. ASHANTI	WATER AID/OXFAM/CEDEP	WATER AID/ ISODEC
Time Frame	1992 PROPOSALS JUST GIVE TO WATERAID		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Potable water for tomato processing plant in B.A. - Reduce trekking for water - Improve hygiene 	Upper Western Region B.A Region	<ul style="list-style-type: none"> - Liaising with Wateraid to assist communities - Technical training to assist maintenance teams - Community participation; Labour & Cash
Project Objectives	Outputs	Activities	
	<ul style="list-style-type: none"> - Education has enhanced outlook of people towards hygiene 	<ul style="list-style-type: none"> - Education campaigns - Linking water aid to villages for support 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total:N.A. To Date:	Total:N.A. To Date:	Total:N.A. To Date:

PROJECT PRESENTATION

Project Status	Achievements (including Appropriate Technology Initiatives)	Constraints/Problems
	- Enhanced level of environmental appreciation	- Transportation to rural areas - Logistics/Financing - Lack of training materials
	Technical Assistance Components	
Contact Persons	N.A.	
	Ghanaians	Expatriates
	Name: Address: Phone: D.K. Dogbe CEDEP, Box 371, Kumasi, UST	Name: Address: Phone: N.A.
Literature Available	Field Papers, Progress Reports, Plan of Operation	Location
	N.A.	ADUM CEDEP PREMPEH II STREET KUMASI

PROJECT PRESENTATION

Page 1

Project Title	Urban ()/Rural ()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	DANISH COM. PROJECT	DCP/VILLAGE WATER RES.	DANISH/EDA
Time Frame	1985 - ONGOING		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Health - Clean Water - Reduce Trekking 	NORTH <ul style="list-style-type: none"> - TALI - TOLON - FIHINI 	Community Participation
Project Objectives	Outputs	Activities	
	<ul style="list-style-type: none"> - 3 Dams - Have assisted other organisations 	<ul style="list-style-type: none"> - Making water bunks - Building dams - Collecting information on hand dug wells and pipe borne water - Health education 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total:	Total: N.A.	Total:
	To Date:	To Date:	To Date:

PROJECT PRESENTATION

Page 1

Project Title	WATER SUPPLY TO RURAL AREAS			Urban ()/Rural ()
Agencies	Implementation Agency	Funding Agency	Executing Agency	
	EVANGELICAL PRESBY. HO	E.Z.E GERMANY	PRAKLA SIESMOS	
Time Frame	1987 - 1994			
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework	
	<ul style="list-style-type: none"> - Water supply to communities in need of water - Reduce incidence of water borne diseases 	<ul style="list-style-type: none"> Northern Region Volta Region 	<ul style="list-style-type: none"> - Provide boreholes - Animation 	
Project Objectives	Outputs	Activities		
	<ul style="list-style-type: none"> - 90 Boreholes 	<ul style="list-style-type: none"> - Application screening - Hydrological reports - Drilling - Trained staff of Church maintain the wells - C75,000 contributed by village towards each borehole 		
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)	
	Total:DM 1 Million To Date:	Total:N.A To Date:	Total: To Date:	

PROJECT PRESENTATION

Page 1

Project Title	GHANA GUINEA WORM ERADICATION PROGRAM			Urban ()/Rural ()
Agencies	Implementation Agency	Funding Agency	Executing Agency	
	GLOBAL 2000, INC.	USAID, MFEP	GLOBAL 2000, INC	
Time Frame				
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework	
	- Prevalence of guinea worm disease in Ghana	5,111 Rural communities were endemic with the disease at the beginning of 1991	<ul style="list-style-type: none"> - Health education - Water filtration distribution - Volunteers, MOH Coordinators etc. - Provision of Hand Dug Wells 	
Project Objectives	Outputs	Activities		
	<ul style="list-style-type: none"> - Reduction in cases from 179,483 in 1989 to 66,6000 target for eradication Dec. 1993 - 100% filter coverage for endemic villages - Health education effective 	<ul style="list-style-type: none"> - Community Mobilization in endemic areas - Reinforce health education in endemic villages and those at risk - Acceleration and targeting of Rural Water Supply - Training in work extraction for medical officers and assistants - Institution of case containment in appropriate regions - Assistance in Rural Water Supply National Survey - Abate treatment for infested water sources 		
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)	
	Total:\$1,783,000, \$726,000 To Date:	Total:MOH Personnel To Date:	Total:Volunteers and others, Contribution at local level	

PROJECT PRESENTATION

Page 1

Project Title	UPGRADING IN EAST MAAMOBI, ACCRA ()/Rural ()		Urban
Agencies	Implementation Agency	Funding Agency	Executing Agency
	INT. SOCIAL DEVT. CENTRE	GHANA GOVT./WORLD BANK	TECHNICAL SERVICES CENTRE (M.W.H.)
Time Frame	1989 - 1992		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	- Disposal of human waste	Landlords in Maamobi and by implicating their tenants	- Training of community artisans to construct similar facilities - There is a Steering Committee made up of community members, ISODEC staff and representatives of TSC who manage the programme
Project Objectives	Outputs	Activities	
	- 60 Household KVIP's to date total number to be done 100	- Construction of latrines - Training of artisans - Basic health education with users - Income generating activities with a womans' group	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total:C8,503,740 To Date:31/7/92	Total:C9,448,600 To Date:	Total:C600,000 To Date:31/7/92

PROJECT PRESENTATION

Page 1

Project Title	ASANKRAGWA SANITATION INTERVENTION			Urban()/Rural ()
Agencies	Implementation Agency	Funding Agency	Executing Agency	
	INT. SOCIAL DEVT. CENTRE	WATERAID	WATERAID	
Time Frame				
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework	
	- Disposal of human waste in the district capital and secondary school	Half the population of Asankragwa town	- ISODEC Team of three constructing latrines and training community masons - Toilet Committee made up various groups in the community manage the programme	
Project Objectives	Outputs	Activities		
	- 5 Ten seater KVIP toilets - 2 Five seater KVIP toilets (Secondary School) - 10 Household latrines	- Construction of latrines - Training of artisans - Basic Health education with users - Income generating activities with a Womans Group		
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)	
	Total: C12,000 To Date: 31/7/92	Total: To Date:	Total: To Date:	

PROJECT PRESENTATION

Page 1

Project Title	Urban ()/Rural ()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	METHODIST CHURCH, GHANA	UMCOR/US/MCOD/WATERAID	LOCAL CONTRACTORS
Time Frame	1984 ONGOING		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Rehab. of water systems of Schools C.C. - Reduce incidence of water borne diseases 	GTER Accra Ashanti Central Regions	<ul style="list-style-type: none"> - Boreholes - Rehabilitation of Water Works
Project Objectives	Outputs	Activities	
	<ul style="list-style-type: none"> - 3 Water Systems - 1 Borehole 	<ul style="list-style-type: none"> - Education campaign - Provision of funds - Hiring of locals to assist - Community Development Social Welfare Dept. - Voluntary labour 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total: \$38,000 To Date:	Total: N.A. To Date:	Total: N.A. To Date:

PROJECT PRESENTATION

Project Status	Achievements (including Appropriate Technology Initiatives)	Constraints/Problems
	<ul style="list-style-type: none"> - Good water to areas rehabilitated - Reduction in incidence of water borne diseases 	<ul style="list-style-type: none"> - Resistance of people to change - Lack of funds - Originally the people unwilling to provide labour
	Technical Assistance Components	
	GWSC	
Contact Persons	Ghanaians	Expatriates
	Name: _____ Address: _____ Phone: _____ Dr. J.S. Annan Box 403, Accra	Name: _____ Address: _____ Phone: _____ N.A.
Literature Available	Field Papers, Progress Reports, Plan of Operation	Location
	Reports on projects	Methodist Church Office Opposite Mobil House, Accra

PROJECT PRESENTATION

Page 1

Project Title	WATER SUPPLY PROJECT IN KROBO DISTRICT Urban ()/Rural ()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	NATIONAL CATHOLIC SEC.	MISERIO, GERMANY/CEBEMO	DIOCESE
Time Frame	CONTINUOUS PROGRAMME 1994 - DATE		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Provision of potable water - Eradication of water borne diseases 	Upper West Northern Brong Ahafo Volta Ashanti Central	<ul style="list-style-type: none"> - Village water units in all diocese responsible for water programmes - Health education with MOH - Requests are made by diocese during National Consultative Meeting - Donors pay directly to PRAKLA SIESMOS - Local component paid by villages and topped up by N.C.S. - Communities pay \$150,000 deposit
Project Objectives	Outputs	Activities	
	N.A.	<ul style="list-style-type: none"> - Organising workshops - Requesting for funds from donors - Assist diocese to get tax exemption on inputs from abroad - Agric officers provide advice on afforestation around the environment 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total: DM20,231,169,88 To Date:	Total: N.A. To Date:	Total: N.A. To Date:

PROJECT PRESENTATION

Page 2

Project Status	Achievements (including Appropriate Technology Initiatives)	Constraints/Problems
	<ul style="list-style-type: none"> - Contribution to water improvement - Improved lot of women; reduced trekking - More awareness of environment and Health 	<ul style="list-style-type: none"> - Contributions not always forthcoming from communities - Maintenance of boreholes becomes difficult for communities - Spare parts involved foreign exchange and thus expensive - Pump attendants can't be paid by villages
	Technical Assistance Components	
	PRAKLA SIESMOS	
Contact Persons	Ghanaians	Expatriates
	Name: Address: Phone: Mr. C. Ashun National Catholic 776491 Secretariat Box 9712, Airport, Accra	Name: Address: Phone: N.A.
Literature Available	Field Papers, Progress Reports, Plan of Operation	Location
	Reports by PRAKLA SIESMOS	Centenary House (Near Tetteh Quarshie Roundabout) Accra

PROJECT PRESENTATION

Page 1

Project Title	Urban ()/Rural ()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	NAVRONGO-BOLGA DIOCESES	COM'TIES/FOREIGN AGENCY	FOREIGN EXPERT HOLLAND/LOCALS
Time Frame	1984 - 1988		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Potable water - Reduce incidence of water borne diseases - Reduce trekking for water 	Upper East	<ul style="list-style-type: none"> - Provision of Hand Dug Wells - Animation
Project Objectives	Outputs	Activities	
	31 Wells Dug 7 Fully Operational	<ul style="list-style-type: none"> - Education - Digging - Community participation - Diocese provides materials 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total: To Date:	Total: N.A. To Date:	Total:N.A To Date:

PROJECT PRESENTATION

Page 1

Project Title	OVERSEAS HAND DUG WELLS PROGRAMME (N.R.) ()		Urban ()/Rural
Agencies	Implementation Agency	Funding Agency	Executing Agency
	OXFAM TAMALE	OXFAM	LOCAL CONTRACTORS
Time Frame	1982 - 1994 ONGOING		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	- Water Shortage - Eradicate water borne diseases	Overseas zone Northern Region	- Providing funds - Hand Dug Wells
Project Objectives	Outputs	Activities	
	23 Hand Dug Wells	- Funding other NGO'S in water delivery - Educational campaigns - Community participation - Provide equipment for GWSC: eg. Water Testing Materials	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total: To Date:	Total: N.A. To Date:	Total: C920,000 To Date:

PROJECT PRESENTATION

Page 1

Project Title	PEACE CORP - WATER AND SANITATION			Urban ()/Rural ()
Agencies	Implementation Agency	Funding Agency	Executing Agency	
	PEACE CORP	USAID	COMMUNITIES	
Time Frame	1980 - 1985			
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework	
	<ul style="list-style-type: none"> - Provision of potable water - Eradication of water borne diseases 	Rural population with poor water sources	<ul style="list-style-type: none"> - Volunteers assist communities to identify needs - Build capacity of community to plan and execute water projects - Assistance using P.C. Small Projects Assistance Fund 	
Project Objectives	Outputs	Activities		
	<ul style="list-style-type: none"> - Complete 8 Hand Dug Wells - Refurbish 32 Hand Dug Wells - 60 KVIPS 	<ul style="list-style-type: none"> - Recruitment of volunteers - Establish 22 Health and Hygiene Committees - Identify 22 host country counter-parts - Completion of Hand Dug Wells - Completion of 15 Household KVIP's - Provision of Water/Sanitation activities 		
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)	
	Total: \$660,000 To Date:	Total: N.A. To Date:	Total: N.A. To Date:	

Project Status	Achievements (including Appropriate Technology Initiatives)	Constraints/Problems
	<ul style="list-style-type: none"> - Development of Project Committees; training given provides skills for planning - Introducing alternatives to KVIPS - Emphasis on appropriate technology - Cross Cultural Exchanges 	<ul style="list-style-type: none"> - Minimal amount of funding - Language constraint - Lack of practical experience by volunteers
	Technical Assistance Components Local Resource Mobilisation - MOH, GWSC, Community Development	
Contact Persons	Ghanaians	Expatriates
	Name: Bismark Owusu Address: Admin. Officer Ben Baah Programme Officer Address: Box 5796, Accra-North Phone:	Name: Steve McFarland Address: John Goldrick Country Director Address: Box 5796 Phone:
Literature Available	Field Papers, Progress Reports, Plan of Operation	Location
	Project Plan	Throughout Ghana

Project Title	WATER SUPPLY PROJECT IN KROBO DISTRICT			Urban)/Rural()
Agencies	Implementation Agency	Funding Agency	Executing Agency	
	PRESBYTERIAN CHURCH AC.	E.Z.E. GERMANY	PRAKLA SIESMOS	
Time Frame	1990 - 1991			
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework	
	<ul style="list-style-type: none"> - Provision of potable water - Eradication of water borne diseases 	Eastern Region	<ul style="list-style-type: none"> - Contribution from Communities - Provision of boreholes - 75% of contributions to contractors - 25% for spare parts - Maintenance Officer employed - Animation 	
Project Objectives	Outputs	Activities		
	<ul style="list-style-type: none"> - 42 Boreholes 	<ul style="list-style-type: none"> - Each Community contributes C100,000 - Obtain external funding component - Contract to PRAKLA SIESMOS - Animation 		
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)	
	Total:DM 890,797.50 To Date:	Total: N.A. To Date:	Total:C800,000 To Date:	

PROJECT PRESENTATION

Page 1

Project Title	Urban ()/Rural ()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	SOC. OF INT. MINISTRIES	SIM/WORLD VISION	WORLD VISION
Time Frame	1987		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Potable water - Reduce incidence of water borne diseases - Reduce trekking for water 	Upper East	<ul style="list-style-type: none"> - Provision of boreholes - Health education - Community participation
Project Objectives	Outputs	Activities	
	<ul style="list-style-type: none"> - 9 Boreholes 	<ul style="list-style-type: none"> - Education campaigns - Training of Water Maintenance Committees - Drilling and installation of pumps 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total:\$5,000 To Date:	Total: N.A. To Date:	Total: C900,000 To Date:

PROJECT PRESENTATION

Page 1

Project Title	PRIMARY HEALTH CARE & DEVELOPMENT PROGRAMME OF ST. DOMINICS HOSPITAL AKWATIA Urban()/Rural()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	ST. DOMINICS HOSPITAL E.R.	MISERIO, GERMANY	PRIVATE CONTRACTORS
Time Frame	1985 - 2000		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Reduce incidence of water borne diseases - Provide potable water 	Eastern Region	<ul style="list-style-type: none"> - 2 teams to educate in the field - Communal labour, feeding team, accommodation - Provision of wells - Applications to District Community Development Office
Project Objectives	Outputs	Activities	
	122 Hand Dug Wells	<ul style="list-style-type: none"> - Teams do training in the village, Health - CDO and Hospital coordinate movements - Community assists in digging - Education of villagers on how to keep well clean 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total: C7,847,471 To Date:	Total: C880,000 To Date:	Total: N.A. To Date:

PROJECT PRESENTATION

Page 2

Project Status	Achievements (including Appropriate Technology Initiatives)	Constraints/Problems
	- Water borne diseases reduced	- At times shortage of cement to line the walls - Occasionally wells not in good zone - 12 of them dry
	Technical Assistance Components	
	Local technology Simple tools used	
Contact Persons	Ghanaians	Expatriates
	Name: Address: Phone: Martin Obeng Same William Kugbe	Name: Address: Phone: Messrs. Miguela, St. Dominics Hospital Keller Box 59, Akwatia Health Devt. Coordinator
Literature Available	Field Papers, Progress Reports, Plan of Operation	Location
	Annual Reports	St. Dominics Hospital, Akwatia

PROJECT PRESENTATION

Page 1

Project Title	GHANA RURAL WATER PROJECT			Urban ()/Rural ()
Agencies	Implementation Agency	Funding Agency	Executing Agency	
	WORLD VISION HO	WORLD VISION/USAID	WORLD VISION DRILLING TEAM	
Time Frame	1986 - 1988			
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework	
	- Reduce incidence of water borne diseases	Volta Region	<ul style="list-style-type: none"> - Health education - Provision of boreholes - Communities contribute labour 	
Project Objectives	Outputs	Activities		
	78 Boreholes completed	<ul style="list-style-type: none"> - Drilling of boreholes - Education by W.V. Team - Villages raise their own funds for maintenance 		
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)	
	Total: To Date:	Total: N.A. To Date:	Total: N.A. To Date:	

PROJECT PRESENTATION

Page 2

Project Status	Achievements (including Appropriate Technology Initiatives)	Constraints/Problems
	<ul style="list-style-type: none"> - Reduction of water borne disease cases - Improved hygiene 	<ul style="list-style-type: none"> - Not able to meet the needs of the people in the number of wells supplied - Repairs of boreholes becomes a problem; difficult for W.V team to respond quickly to requests of the communities for repairs
	Technical Assistance Components	
World Vision - Modern technology used		
Contact Persons	Ghanaians	Expatriates
	Name: Address: Phone: Rev. Ackuayi Box 657, Ho	Name: Address: Phone: N.A.
Literature Available	Field Papers, Progress Reports, Plan of Operation	Location
	Exist, Head Office	Domenyo Family Development Centre Hokpodzi, Ho

PROJECT PRESENTATION

Page 1

Project Title	Urban ()/Rural ()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	WORLD VISION, KOFORIDUA	USAID/CONRAD HILTON	WORLD VISION
Time Frame	1984 - 1996		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	- Reduce incidence of water borne diseases	Eastern Region	Collaborating with all stakeholders - - District Assemblies - Government Agencies - Local institutions
Project Objectives	Outputs	Activities	
	- 188 Boreholes	- Education campaigns - Local institutional mobilisation - Drilling and installation of pumps - Periodic evaluation of activities with stakeholders - Provision of sanitary toilets	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total: To Date:	Total: N.A. To Date:	Total: To Date:

Project Status	Achievements (including Appropriate Technology Initiatives)	Constraints/Problems
	<ul style="list-style-type: none"> - Reduction in incidence of water borne diseases - Time saved trekking for water - Collaboration with government agencies 	<ul style="list-style-type: none"> - Low water table - Rugged roads - Demand for excessive manpower - Difficult to break traditional health beliefs which are not healthy - High iron content of water
	Technical Assistance Components W.V.I. Donors provide adequate technical inputs	
Contact Persons	Ghanaians	Expatriates
	Name: Eugene Asante Address: W.V.I. Sub-Office Box 804, Koforidua Phone:	Name: Address: N.A. Phone:
Literature Available	Field Papers, Progress Reports, Plan of Operation	Location
	Head Office	SSNIT Building, Koforidua

PROJECT PRESENTATION

Page 1

Project Title	Urban ()/Rural ()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	WORLD VISION, SUNYANI	W.V./CONRAD HILTON FD'N	WORLD VISION
Time Frame	1989 - 1993		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	- Reduce incidence of water borne diseases	Brong Ahafo Region	- Provision of boreholes - Health education - Community provide money for maintenance
Project Objectives	Outputs	Activities	
	- 13 Boreholes with hand pumps	- Education campaign - Water Maintenance Committee - Drilling and installation of pumps	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total:C52M To Date:	Total:N.A. To Date:	Total:N.A. To Date:

PROJECT PRESENTATION

Page 1

Project Title	Urban ()/Rural ()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	WORLD VISION, TAKORADI	WORLD VISION, TAKORADI	PRAKLA SIESMOS
Time Frame	1986 - 1987		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Potable water - Environmental sanitation - Reduce incidence of water borne diseases 	Western Region	<ul style="list-style-type: none"> - Provide boreholes - Train local maintenance teams - Provide spare parts - Rotate maintenance equipment to surrounding communities
Project Objectives	Outputs	Activities	
	13 boreholes	<ul style="list-style-type: none"> - Education campaigns ongoing - Drilling boreholes 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total: C59.5 M To Date:	Total: N.A. To Date:	Total: N.A. To Date:

PROJECT PRESENTATION

Page 2

Project Status	Achievements (including Appropriate Technology Initiatives)	Constraints/Problems
	<ul style="list-style-type: none"> - Provision of potable water - Improved sanitation and health - Reduction of incidence of water borne diseases 	<ul style="list-style-type: none"> - 4 Boreholes dry (13 Operational) - High cost of operation
	Technical Assistance Components Drilling - PRAKLA SIESMOS Training of locals - World Vision team	
Contact Persons	Ghanaians	Expatriates
	Name: Theodore Afari Address: Box 783, Takoradi Phone: Regional Manager	Name: Address: Phone: N.A.
Literature Available	Field Papers, Progress Reports, Plan of Operation	Location
	N.A.	Opposite Kwesi Mintsin Police Station Takoradi

PROJECT PRESENTATION

Page 1

Project Title	Urban ()/Rural ()		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	WORLD VISION TAMALE	WORLD VISION TAMALE	WORLD VISION
Time Frame	1987		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Potable water - Reduce incidence of water borne diseases - Reduce trekking for water 	NORTHERN REGION <ul style="list-style-type: none"> - Tamale - Savelugu District - Mamprusi West - Saboba Chereponi - Yendi - East Gonja 	<ul style="list-style-type: none"> - Provision of boreholes - Health Education - Community participation
Project Objectives	Outputs	Activities	
	<ul style="list-style-type: none"> - 45 Boreholes 	<ul style="list-style-type: none"> - Education campaigns - Formation of Health Committees - Water Maintenance Committee - Drilling and Installation of pumps - Contribution of cement for construction of platforms and drainage 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total: C 112.5 M To Date:	Total: N.A. To Date:	Total: C 2.7 M To Date:

PROJECT PRESENTATION

Page 1

Project Title	WATERAID GHANA PROGRAMME, RURAL WATER DELIVERY (HANDDUG WELLS) HEALTH & SANIT. TRAINING		
Agencies	Implementation Agency	Funding Agency	Executing Agency
	WATERAID GHANA	WATERAID	ACDECO/ORAP/RURAL AID/BACH/NEA/ISODEC
Time Frame	APRIL 1989 - MARCH 31, 199		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Lack of potable water - Eradication of water borne diseases - Lack of trained personnel to maintain pumps - Lack of health education and sanitary facilities 	Rural Communities in North, South Akwapim District, Kwahu Afram Plains - Eastern Region, Northern Region	<ul style="list-style-type: none"> - Country Rep. operates programme from Accra - Funds disbursed to local NGO's - Work carried out by local personnel
Project Objectives	Outputs	Activities	
	<ul style="list-style-type: none"> - About 452 Hand Dug Wells to date - 1236 planned by 1995 - Training of 161 National Service Personnel 1995 	<ul style="list-style-type: none"> - Working with local NGO's to provide potable water to deprived communities using the community participation - Production of relevant manuals to facilitate training, Health education and the provision of sanitation services - Organisation of Management Training Sessions for Management Committee members to improve administrative skills - Training sessions for well maintenance, National Service personnel etc. 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total: Pound 678,213,00,- 268,441 To Date: 268,441- 1991-1995, 1991-92	Total: N.A To Date:	Total: N.A. To Date:

WATER SECTOR ACTIVITIES
IN GHANA

Country: UNICEF (8)
NGO or Institution

PROJECT PRESENTATION

Page 3

Project Title	ENVIRONMENTAL AND DOMESTIC SANITATION			Urban ()/Rural (X)
Agencies	Implementation Agency	Funding Agency	Executing Agency	
	MOH, DCD, GWSC	UNICEF/GOVT. OF GHANA		
Time Frame				
Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework	
	<ul style="list-style-type: none"> - Increase rural sanitation coverage in a sustainable manner - Awareness creation amongst rural population - Improve integration of services at the community level - Capacity building at institutional and community levels 	<ul style="list-style-type: none"> - Rural population of less than 5000 - Personnel of line agencies, i.e. MOH, DCD, GWSC and District Assemblies 	<ul style="list-style-type: none"> - Capacity building at the community and institutional levels - Advocacy - Integration of services - linkages with other interventions - Enhanced reporting and monitoring systems 	
Project Objectives	Outputs	Activities		
	<ul style="list-style-type: none"> - Demos of simple latrines - Improving reporting/monitoring system - Training (Agencies/communities) - Enhancing financial/technical viability of construction centres - Enhancing community awareness of environmental sanitation - Community involvement in planning of management of programmes 	<ul style="list-style-type: none"> - Support/establish slab construction/training centres - Construction of demonstration units - Training of communities - Support the design simple drainage systems - Support the use of appropriate garbage disposal systems - Development of simple health education messages - Encourage and support village water and health committees - Improve on monitoring and reporting system 		
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)	
	Total:\$773,000 To Date:	Total:\$473,000 To Date:	Total:Beneficiaries/Dist. Assemblies pay construction & O&M costs To Date:	

PROJECT PRESENTATION

Page 1

Project Title	RURAL WATER SUPPLY		Urban ()/Rural (X)
Agencies	Implementation Agency	Funding Agency	Executing Agency
	GWSC, DCD, MOH	UNICEF/GOVT. OF GHANA	
Time Frame			
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Increase rural water coverage using low cost technological options - Support the Guinea Worm Eradication Programme - Capacity building at Institutional and community levels - Development of systematic reporting and monitoring systems 	<ul style="list-style-type: none"> - Rural population of less than 5000 - Personnel of MOH, DCD & GWSC and District Assemblies 	<ul style="list-style-type: none"> - Capacity building at the community and institutional levels - Advocacy - Integrated approach to programme interventions - Enhanced reporting and monitoring systems
Project Objectives	Outputs	Activities	
	<ul style="list-style-type: none"> - Training (Agencies/communities) - Construction/Rehab. of facilities - Enhancing community involvement in planning, implementation and management of facilities - Creation of an enabling environment for other sectoral interventions - Improved reporting & monitoring system 	<ul style="list-style-type: none"> - Training - Service coverage surveys - Establishment of effective surveillance system - Diversification of water supply options - Establishment of structures at community level to enhance implementation - Health education - posters, flip charts, dramas, group discussions 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total: \$2,655,000 To Date:	Total: \$619,790 To Date:	Total: Beneficiaries pay for construction & O&M costs To Date:

WATER SECTOR ACTIVITIES
IN GHANA

Country: UNDP (9)
NGO or Institution

Project Title	GHA/88/003; WATER SUPPLY & SANITATION MANAGEMENT-VOLTA REGION		Urban ()/Rural ()
Agencies	Implementation Agency	Funding Agency	Executing Agency
	GWSC	UNDP	GOVERNMENT (IERD)
Time Frame	JAN. 1990 - JUNE 1993		
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework
	<ul style="list-style-type: none"> - Improving health and standard of living of the rural population through the provision of affordable, safe and sustainable water supplies and improved sanitation facilities, completed with water-related health education 	Rural population in Ghana, more specifically inhabitants in the selected communities of the Hohoe and Jasikan Districts, Volta Region	<ul style="list-style-type: none"> - Community Development approach; implementation and management at the local level through officials from GWSC, DCD and MOH, coordination by District Secretary - Regional officers of GWSC, DCD and MOH provides support and supervision - The RWDD/GWSC/HQ and DCD/HQ provide guidance and supervision. - NCWD involvement and member of the Project Steering Committee
Project Objectives	Outputs	Activities	
	<ul style="list-style-type: none"> - Establish an institutional strategy, consistent with the Government's decentralization policy that can meet the demand for new RWS systems and maintain both existing and new systems - Operationalise institutional structure and implementation strategy by conducting a RWS project in the Hohoe and Jasikan Districts V.R 	<ul style="list-style-type: none"> - Define roles and responsibilities of relevant government agencies, user communities and the private sector in the planning, construction and maintenance of RWS systems; - Improve the effectiveness of RWS Dep. in GWSC through design and implementation of training programmes, procurement of essential equipment, periodic joint reviews of NGO RWSC programmes, reviewed drilling unit structure - Implement strategies for community management of TWS systems, including planning, construction, maintenance, health education and sanitation components - Strengthen the capacities of Hohoe, Jasikan district planning and administration of rural water supply projects through the implementation and management of the project - Establish management structure to identify and train extension team - Establish functioning water and sanitation committees in each community - Set up water supply systems and demonstration household latrines in about 100 communities (using primarily hand dug wells and spring catchments) 	
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)
	Total:\$681,500 To Date:\$272,183 (end -91)	Total:¢36 million To Date:	Total: To Date:

PROJECT PRESENTATION

Project Status	Achievements (including Appropriate Technology Initiatives)	Constraints/Problems
	<ul style="list-style-type: none"> - Substantial progress made towards the achievement of objective 2, the central principles as embodied in the sector strategy have been adopted and further elaborated as part of the field testing, in implementing the pilot project - 8 wells constructed in Jasikan, 12 in Hohoe - Training and follow-up training have been undertaken for Extension teams, WATSAN and female members of WATSAN, study tour to West Africa completed - Training manuals prepared by TNC 	<ul style="list-style-type: none"> - Slow progress made towards the realization of objective it can only be achieved as part of the process of finalising and implementing the RWS/S Strategy - Delays in the provision of water facilities to the communities - Delays in construction activities caused by slow equipment procurement processes of GWSC and the unreliability of suppliers - Many of the completed latrines are not being used; educational activities need strengthening
	Technical Assistance Components	
Contact Persons	UNV Engineer }\$318,491 National Professional Project Personnel }\$131,507 Training	
	Ghanaians	Expatriates
	Name: _____ Address: _____ Phone: _____ Mr. C. Kwei GWSC, Accra 667534/666781	Name: _____ Address: _____ Phone: _____
Literature Available	Field Papers, Progress Reports, Plan of Operation	Location
	Prodoc, Tripartite Review Reports, TOR for Evaluation Mission/ Jan-93, Appraisal Report (DANIDA)	DA, Hohoe DA, Jasikan GWSC, Volta Region UNDP, Accra

Project Title	GHA/87/016: LOW COST HUMAN WASTES MANAGEMENT - PILOT PROJECT FOR KUMASI			Urban (X)/Rural ()
Agencies	Implementation Agency	Funding Agency	Executing Agency	
	KUMASI METROPOLITAN AUTHORITY, U.S.T.	UNDP	IBRD	
Time Frame	MARCH 1989 - MARCH 1994			
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework	
	Low coverage of water and sanitation facilities due to weak institutional framework for water and sanitation delivery	Residents of the pilot project area Trainees (officers in the KMA, TNC, MOH, GWSC	<ul style="list-style-type: none"> - Integrated approach to urban sanitation including a mix of technical, institutional, financial and social components and an implementation strategy that aim to achieve cost-recovery and community acceptance - Implementation by project team located in KMA and supported by TNC, consultants, the UNDP/WB Water & Sanitation Programme and the user community 	
Project Objectives	Outputs	Activities		
	<ul style="list-style-type: none"> - Develop and implement a pilot human Wastes Management Project, consisting of three pilot schemes in Kumasi city; - Ensure replication of pilot project results through the preparation of a follow-up sanitation investment programme in Kumasi and identification of the resources to implement it; - Strengthen the local capacity to plan, design and implement urban sanitation projects, making such projects more effective in attracting and utilizing investment; - Establish a sustainable Training Network Centre at the UST; - Promote the formulation and implementation of sectoral activities in line with the Rural Water Supply and Sanitation (RWSS) Sector Strategy and Action Plan 	<ul style="list-style-type: none"> - Detailed workplan, progress reports and completion report; - Strategic Sanitation Plan for Kumasi - Feasibility studies and final design for each of the three pilot schemes - 3 Completed pilot schemes in low income areas implemented, operated, maintained and evaluated - Investment strategy and financing proposal for the Strategic Sanitation Plan to cover the extension of improved sanitation services from the pilot areas to all segments of Kumasi - Programme to facilitate replication of the Strategic Sanitation Planning approach to other secondary cities in Ghana - Assistance to the RWSG-Wa office in Abidjan in disseminating the lessons learned from KSP and the Strategic Sanitation Planning approach within the West Africa programme - Institutional framework within KMA for the implementation of the Strategic Plan - A clear strategy and business plan for the TNC assessing realistic scenarios which will allow for maximum financial independence - RWSG's support to the preparation of the World Bank - National Rural Water and Sanitation project for Ghana - RWSC's assistance for the implementation of the HRD component of the National Rural Water Supply and Sanitation Programme - Effective technical, institutional and HRD assistance to ongoing UNDP-funded Rural Water Supply and Sanitation Projects 		
Project Inputs	Funding Agency (US\$)	Government (C)	Beneficiaries (C)	
	Total:\$1,341,119 To Date:\$465,420 (End 1991)	Total:¢103 million To Date:	Total: To Date:	

Project Status	<p>Achievements (including Appropriate Technology Initiatives)</p> <p>1) <u>Kumasi Sanitation Project</u></p> <ul style="list-style-type: none"> - Project has largely been integrated institutionally into the Kumasi Metropolitan Assembly (KMA) - A Strategic Sanitation Plan (1991-2000) covering all segments of Kumasi population has been prepared, following this plan a Waste Management Department has been established within KMA - About 190 home KVIP latrine units have been constructed, serving about 4000 people (800 families); 3 public latrines in the city centre constructed; a pilot sewerage project targeted at between 15,000 - 20,000 people has been designed; - Helped the city privatize through franchising of operations and management of public latrines and introduced procedures for contracting our sanitation services and construction contracts to local private contractors <p>2) <u>Training Network Centre (TNC)</u></p> <ul style="list-style-type: none"> - TNC now fully established as key outreach wings of UST - Linkages made with relevant sector agencies, new training materials are being prepared; over 10 courses have been run, target workshops and HRD consultancy support to projects in the sector including two UNDP financed projects 	<p>Constraints/Problems</p> <p>The Innovations introduced in the pilot schemes have not fully demonstrated their sustainability. Noted deficiencies in project execution include:</p> <ul style="list-style-type: none"> - Relatively high repayment default rate (about 50% in two pilot areas) due to absence of an effective loan recovery mechanism for the home latrine loan scheme and the poor revenue collection system on the public latrine franchise operations; - Delays of 6 - 8 months in the execution of the sewerage project; - Need for time for operation, monitoring operation of facilities and documenting lessons on pilot projects before replication
Technical Assistance Components		
<p>Training: \$113,836 National Professionals: \$ 217,897 Int. Consultant: \$33,562</p>		
Contact Persons	<p>Ghanaians</p> <p>Name: Address:</p> <p>Phone:</p> <p>Mr. Ato Brown World Bank, Accra 229130 Project Coordinator UNDP, Accra Dr. Monney UST, Kumasi Manager, TNC</p>	<p>Expatriates</p> <p>Name: Address:</p> <p>Phone:</p> <p>A. Locussol RWSG, 01 BP 1850 Regional Manager Abidjan 01</p>
Literature Available	<p>Field Papers, Progress Reports, Plan of Operation</p> <p>Prodoc and two substantive revisions, Tripartite Review Reports, Evaluation Report, 1992 Feb., Progress Report Jan-Jul. 1992, Draft Strategic Sanitation Plan for Kumasi</p>	<p>Location</p> <p>KMA, Kumasi RWSG, WP, Accra UNDP, Accra</p>

PROJECT PRESENTATION

Page 1

Project Title	GHA/88/017: Water and Sanitation Management - Eastern Region			Urban ()/Rural (X)
Agencies	Implementation Agency	Funding Agency	Executing Agency	
	GWSC	UNDP	IERD, MFEP	
Time Frame	Sept. 91, - Sept. 1995			
Project Justification	Problems to be addressed	Target Beneficiaries	Project Strategy and Institutional Framework	
	<ul style="list-style-type: none"> - Tackle the drinking water supply and sanitation problems in Birim North and Birim South 	Communities in Birim North and Birim South, Eastern Region	<ul style="list-style-type: none"> - Integrated approach including the involvement of the communities - Implementation and management by the local communities - Coordination by the District Secretary - Support and supervision from regional officers of GWSC, DCD and MOH involving NCWD - Drilling activities and installation of hand pumps subcontracted to UNDES 	
Project Objectives	Outputs	Activities		
	<ul style="list-style-type: none"> - Establish Community management system for rural water supply and sanitation and install water points in Birim North and South - Ensure realisation of health improvements through the design and implementation of sanitation and health education component; - Establish effective collaboration with the National Rural Water Supply and Sanitation Programme 	<ul style="list-style-type: none"> - Conduct workshops to sensitize communities - Design programme for full coverage of the Eastern Region - Conduct village surveys, mobilize communities, resolve property rights - Formulate options to the communities - Subcontract the drilling of 120 boreholes, production and installation of handpumps - Mobilize community to assist in borehole construction - Review relevant information on the Rural Water Supply and Sanitation Sector Strategy - Hold regular consultations with GWSC and RWSS - Ensure cooperation of key principles of the National RWSS Sector Strategy in all phases of project execution 		
Project Inputs	Funding Agency (US\$)	Government (¢)	Beneficiaries (¢)	
	Total:\$1,978,050 -incl. \$885,000 cost sharing from the Netherlands To Date:\$42,600 (End- 1991)	Total:\$220,750,000 To Date:\$8,830,000 (End-1991)	Total: To Date:	

WATER SECTOR ACTIVITIES
IN GHANA

Country: WORLD BANK (10)
NGO or Institution

WATER SECTOR ACTIVITIES
IN GHANA

Country: JAPAN (11)
NGO or Institution

ANNEX "A"

"HISTORICAL CONTRIBUTION OF DONORS IN GHANA
WATER SECTOR ACTIVITIES"
(Completed Projects)

**HISTORICAL CONTRIBUTION OF UNICEF
TO THE GHANA WATER SECTOR**

PROJECT/DATES	BUDGET US\$	STATUS	PROJECT OUTPUTS
Upgrading of Water Supply in Rural Health Centres in Ghana	825,000	Completed	200 Health Centres provided with reliable water supply systems, as part of the development of PHC activities of which the centres play a key role. Rehabilitation teams set up in Eastern and Brong Ahafo Regions
Borehole Rehabilitation 1985-1987	985,000	Completed	500 Old and non-functioning boreholes rehabilitated and fitted with handpumps in five regions - Brong Ahafo, Ashanti, Volta, Central and Western. Drilling unit of GWSC equipped with training tools and logistical support. Base workshops established in Bole, Tamale, Techiman and Atebubu
Small Communities Water Supply 1986-1991	175,983	Completed	Small communities of population less than 500 in the Ketu, Techiman, Lawra, Tarkwa and Winneba District supported with the construction of hand dug wells, spring developments and rainwater harvesting systems; health hygiene education, and training of community water organizers; enhanced inter-agency approach with District Assemblies.

HISTORICAL CONTRIBUTION OF CIDA
TO THE GHANA WATER SECTOR

PROJECT/DATES	BUDGET Million CAN \$	STATUS	PROJECT OUTPUTS
Upper Region Water Supply Project (URWSP) Phase I - 1973-82 Phase II - 1966-82	\$7.9 \$9.1	Completed	2,650 Boreholes with hand pumps; operation and maintenance system organized; water supplies to Bolgatanga, Wa and Bawku improved; 3 drilling rigs provided with training; and a regional workshop established in Bolgatanga
Accra-Tema Water Supply Project 1974-84	\$15.0	Completed	Accra-Tema Water treatment plant constructed to serve 1.2 million people
Water Utilization Project (WUP) Phase I - 1978-1983 *1 Phase II -1984-present Phase III-planned		Completed Ongoing Planned	Development of delivery mechanism for health/hygiene education; training 5,000 community water organizers; enhanced role for women; and interactive agency approach with GOG established
Upper Region Programme Evaluation (ERPE) 1980-87	\$.6	Completed	Evaluation reports; and improved GOG capacity to monitor and evaluate projects and programmes
GWSC Advisor Project Phase I - 1979-85 Phase II -1986-92	\$.8 \$.5	Completed	Institutional strengthening of GWSC management and coordination

Northern Region Rural Integrated Program (NORRIP) 1980-1993	\$36.6	Ongoing	Rehabilitation of drilling rigs; identification of priority projects and implementation plans; test drilling programme for ground water potential in 500 villages; 350 boreholes to be constructed equipped with handpumps - village mechanics to be trained using the VLOM concept
Northern Region Community Infrastructure (NORRIP) 1981-86	\$4.75	Completed	Rehabilitation of water systems in Tamale, Yendi, Bimbilla, Nalerigu/Gamabaga, Salaga, Walewale, Damongo and Bole; rehabilitation of Tamale electricity station; and test drilling programme for ground water potential
Upper Region Maintenance Stabilization Project 1981-1987	\$8.05	Completed	Rehabilitation of 1,200 hand pumps; provision spare parts, vehicles and equipment to GWSC; and repair and rehabilitation of 26 mechanized systems in 26 communities
UNDP/IBRD Hand Pump Testing Project 1983-90	\$1.024	Completed	50 VLOM pumps installed (AFRIDEV and VOLONTA) tested and monitored to prove the development of more dependable, less costly pumps on purchase and maintenance costs; and development of more dependable, less costly hand pumps
Ghana Water & Sewerage Corporation Assistance Project (GAP) 1990-1997	\$28.0	Ongoing	Rehabilitation with limited expansion of 43 towns located in the Northern, Upper East and Upper West Regions. most towns with pipe borne mechanized systems

ANNEX "B"

List of NGO's whose project presentation sheets are included in this draft document (Provisional).

The sheets includes past and current projects. Others are to be added in the final draft.

ANNEX "B"

- ACTION AID, TAMALE	1
- ADVENTIST DAY RELIEF AGENCY (ADRA)	2
- AGC, OBUASI	3
- CATHOLIC DIOCESE, CAPE COAST	4
- CATHOLIC DIOCESE, TAKORADI	5
- CATHOLIC DIOCESE, TAMALE	6
- CATHOLIC DIOCESE, WA	7
- C.E.D.P., ASHANTI	8
- DANISH COMMUNITY PROJECT	9
- EVANGELICAL INTERNATIONAL (HO)	10
- GLOBAL 2000	11
- INTERNATIONAL SOCIAL DEVELOPMENT CENTRE	12-13
- METHODIST CHURCH, GHANA	14
- NATIONAL CATHOLIC SECRETARIAT, ACCRA	15
- NAVORONGO-BOLGA DIOCESE	16
- OXFAM, TAMALE	17
- PEACE CORPS., ACCRA	18
- PRESBYTERIAN CHURCH, ACCRA	19
- SOCIETY OF NATIONAL MINISTRIES	20
- ST. DOMINICS HOSPITAL	21
- WORLD VISION, HO	22
- WORLD VISION, KOFORIDUA	23
- WORLD VISION, SUNYANI	24
- WORLD VISION, TAKORADI	25
- WORLD VISION, TAMALE	26
- WATER AID, GHANA	27