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USAID Kenya Integrated Water, Sanitation and Hygiene

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USAID KENYA INTEGRATED WATER, SANITATION AND HYGIENE PROGRAM (KIWASH)

FY 2016, Q2 PROGRESS REPORT

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The authors' views expressed in this report do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

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ACRONYMS AND ABBREVIATIONS

BDS	Business Development Services
BCC	Behavior Change Communications
CAP	Capacity and Performance
CBO	Community Based Organization
CEC	County Executive
CLTS	Community Led Total Sanitation
EWA	Essential WASH Actions
ENA	Essential Nutrition Actions
FIRM	Financial Inclusion for Rural Microenterprises
GOK	Government of Kenya
EMMP	Environmental Mitigation and Monitoring Plan
KAVES	Kenya Agricultural Value Chain Enterprises
KIWASH	Kenya Integrated Water, Sanitation and Hygiene project
MCH	Maternal and Child Health
MoU	Memorandum of Understanding
MUS	Multi-Use System
NGO	Non-Governmental Organization
PMP	Performance Monitoring Plan
RCMRD	Regional Centre for Mapping of Resources for Development
SCMP	Sub-catchment Management Plans
SOW	Statement of Work
S&R	Summary and Recommendations Report
TAMIS	Technical and Administrative Management Information System
USAID	United States Agency for International Development
WRMA	Water Resources Management Authority
WRUA	Water Resource Users Association
WSP	Water Service Provider

I. KIWASH EXECUTIVE SUMMARY

This is the second quarterly report of the Kenya Integrated Water, Sanitation and Hygiene project (KIWASH) funded under USAID/Kenya Task Order No. AID-615-TO-15-00001 with Development Alternatives, Inc. (DAI) covering the period from January to March 2016. KIWASH is working to improve lives and health of 1 million Kenyan citizens in nine counties through development and management of sustainable water, sanitation, hygiene and nutrition services.

Qualitative Impact

KIWASH officially launched

On February 18, 2016, U.S Ambassador Robert F. Godec, former President H.E Mwai Kibaki, Cabinet Secretary for Water and Irrigation Eugene Wamalwa, Swiss Ambassador Ralf Heckner, and private sector partners officially launched the USAID Kenya Integrated Water, Sanitation and Hygiene Project. Over 200 Kenya national and county officials, representatives of international donors and private corporations participated in launch held at the Safari Park Hotel in Nairobi.

Figure 1: Key guests officially launch KIWASH

U.S Ambassador Robert Godec provided remarks, stating that the project "reinforces America's commitment to partner with the Kenyan national and county governments to improve the health and wellbeing of their people."

County introductory, technical and reconnaissance assessments

The KIWASH senior management team and specialists have visited all nine counties where the project is operating. The teams met with county governors, ministers of water, health and agriculture, and water service providers (WSPs) to provide an overview of KIWASH's objectives and scope, and to learn about county-specific plans and challenges.

The technical team carried out follow up visits to the counties to establish working relations with the county technical personnel, hold joint work planning sessions, and build county teams for the implementation of the WASH, agriculture and nutrition components of the project. The teams conducted successful initial assessments for various project output areas.

WSP summary and recommendations reports

KIWASH completed five WSP summary and recommendations reports identifying key technical assistance needs in governance, strategic planning, gender equality mainstreaming, market assessment, community outreach and education, and investment proposal development. The responses from WSPs have been very positive and many agreed on appropriate next steps for technical assistance, which are now being drafted into scopes of work (SOWs).

Gender mainstreaming training for WSPs

Twenty seven staff of Kakamega Busia Water Supply were trained on gender equality mainstreaming with the aim of improving their understanding of the role that gender equality mainstreaming plays in improving utility performance and economic viability. A post-training evaluation revealed that levels of understanding drastically improved and staff could now apply gender equality mainstreaming in their day-to-day work. At the end of the workshop, participants developed departmental action

plans that will enable them to implement the newly acquired knowledge and achieve institutional meaningful changes.

Draft integrated WASH and nutrition training guide

KIWASH completed a draft WASH and nutrition training guide and an agriculture facilitators guide that will be used by community health staff and volunteers and agricultural extension workers to integrate essential WASH actions (EWA), essential nutrition actions (ENA) and agriculture at the community and household level. The next stage will be to review the guide with county counterparts and stakeholders before the final version is developed.

Baseline surveys

KIWASH completed the development of three tools to be used in the household baseline survey, namely the household survey tool, key informants interview guidelines, and focus group discussion guidelines. A local firm was contracted to carry out the survey in the nine KIWASH counties.

Under the small enterprise market survey, KIWASH completed assessment of 519 small and medium sized businesses in all nine KIWASH counties. The process of data cleaning, input and analysis was completed during the quarter.

Networking and sector meetings

KIWASH staff participated in several sector meetings to introduce the program and make contact with key sector players. Some key networking opportunities included:

- The 18th International Conference of the African Water Association themed "Sustainable Access to Water and Sanitation in Africa." During the conference, KIWASH staff met with NGOs working in various parts of Kenya, such as Evidence Action who promotes use of chlorine dispensers at the point of water collection. The team also met with the French Development Agency (AFD) regarding French government support in the water sector and their views on water tariffs.

- The 3rd Quarter National Environmental Sanitation and Hygiene Inter-Agency Coordinating Committee (ICC) meeting held in Isiolo County on March 23-24, 2016. The WASH and Nutrition Manager for Eastern region represented KIWASH at the meeting themed "Linking Environmental Health Interventions to National Health Outcomes" which was aimed at strengthening monitoring and evaluation systems and their link to health outcomes. KIWASH identified strategic areas within the ICC technical working groups where the project can actively engage in order to realize its planned results.

- The UN World Water Day function held on March 22 in Naivasha. The theme of the event "water and Jobs" resonated well with the KIWASH objectives.

Quantitative Impact

As KIWASH was initiated recently, progress on specific activities and indicators cannot yet be reported. However, a detailed performance monitoring plan (see below) and monitoring and evaluation plan, by which the project's quantitative impacts will be measured, have been submitted for USAID approval and are currently under review.

Constraints and Opportunities

In the reporting period, the KIWASH team mainly engaged in consultation, planning and technical assessments with county departments, WSPs and county leaders. The staff gathered lessons, as detailed below.

TABLE 1: CONSTRAINTS AND OPPORTUNITIES

Challenge	Actions taken / recommendations to address the challenges
Serious governance issues affecting WSPs	KIWASH staff have identified governance challenges with a number of WSPs, most notably in Kakamega-Busia, Kitui, and Gusii. KIWASH is reaching out to county staff to discuss and coordinate KIWASH activities with the WSPs, while at the same time clarifying their roles within the WSP board of directors. County governments have also intervened through their CECs to remove WSP managing directors in Wote and Kibwezi Makindu. During the next two quarters, KIWASH will be meeting with counties to discuss these issues, clarify roles, and introduce the idea of governance training to county water departments. KIWASH will also ensure county support for the program's technical work with WSPs under Output 2 so that activities progress on schedule. KIWASH will also provide corporate governance trainings for all utilities. It is hoped that passage of the new Water Bill, expected by June, will bring more clarity to sector governance.
Lack of readily available information	The KIWASH team has strong capacity to support and work with WSP staff to get accurate and consolidated information. While lack of readily available information is a challenge, this is not hampering the team's ability to deliver on schedule.
Expectation by WSPs that KIWASH would provide direct financial aid	Staff continue to explain the role of the program and how it will be implemented to leverage resources, making it clear that KIWASH is not a grant making project.
Counties are at different levels in terms of institutional capacity, structures and systems	This will require the KIWASH team to tailor interventions to suit specific county contexts. For instance, KIWASH recognizes that the number of existing and functional Community Health Units that support health promotion at the grassroots level varies across counties.
Upcoming elections in 2017 and the potential for politicians to redirect resources to activities and areas not prioritized by KIWASH	KIWASH is developing county work plans and memorandums of understanding (MOU) to define cooperation between partners and county governments. KIWASH county embedded staff will manage county work plans, supervise routine operations, and provide management oversight on a day-to-day basis.

Subsequent Quarter's Work Plan

During the third quarter of FY 2016 (April to June), KIWASH will undertake the following activities as per the proposed Year One Work Plan.

Task 1.1: Provide business development services for WASH services and products

- Finalize the small enterprise survey report in May 2016.
- Define the criteria for selection of the firms/businesses for incubation.
- Design the WASH Enterprise and Innovation Fund under the leadership of the Grants Manager

Task 1.2: Scale up sanitation, sanitation marketing and hygiene promotion

- Kick start the incubation process to help sanitation enterprises improve marketing approaches
- Design and rollout sanitation and hygiene campaigns in all the nine target counties (EXP Social marketing). A total of five campaigns will be rolled out based on the outcomes of the immersion studies.

Task 2.1: Assist WSPs upgrade business plans and strategic plans

- Finalize summary and recommendations reports for Siaya, Nairobi, Gulf/Nyanas (Kisumu) and Makueni WSPs
- Sign MOUs with WSPs and county governments
- Prepare scopes of work for the WSPs in Siaya, Kisumu, Migori, Nairobi, Makueni

Task 2.2: Assist WSPs to improve operations and financial performance

- Carry out gender training for Siaya Water and Migori water companies,
- Meet with specific county governments to discuss governance challenges – Kakamega, Nyamira and Kitui
- Carryout governance training for Migori and Makueni WSPs and government water staff
- Review community outreach and education plans and KIWASH's role for an output based aid project for the Nairobi water company

Task 3.2: Integrate and promote essential nutrition and WASH interventions

- Develop integrated WASH/Nutrition/Agriculture training guide
  - Gather and review existing nutrition and WASH training guides from various stakeholders to identify gaps and plan for improvement/revision
  - Collate information from existing training guides and generate a draft
  - Gather inputs from the target counties to be included in the training guide
- Conduct training-of-trainers (ToT) refresher courses with the APHIA partners, community health workers, nutritionists and other key groups at the county level on the training guide
  - Identification and mapping of ToTs in at least two counties
  - Conduct ToT training in at least one County
- Design BCC campaign materials on CLTS (sanitation) and hygiene promotion
  - Develop county-specific BCC materials in at least two counties
- Design and operationalize Healthy Behaviors Grant Fund
  - Develop a conceptual framework for the operationalization of the Healthy Behaviors grant fund
  - Request for proposals from possible sub-grantees

Task 3.2: Improve Integration of WASH, MCH and Nutrition services:

- Develop targeted EWA job aids to reinforce training efforts on best practices
  - Conduct health facility assessment of WASH and nutrition interventions in the nine target counties
  - Design and procure WASH promotion kits

Task 3.3: Strengthened evidence base and programming guidance for coordinated WASH-nutrition programming

- Identify research partner to design multi-year study
  - Develop scope of work for multi-year study, identify potential partners, and release request for proposals

Task 4.1: Increased access to water for agricultural productivity

- Work with FTF partners to identify farmers and household constraints to accessing water
  - Identify potential and limitations of multiple use services (MUS)
  - Develop context-specific strategies, approaches and work plans to mitigate MUS challenges
- Identify appropriate irrigation technologies and suppliers
  - Profile existing low cost irrigation technologies and suppliers in target counties
  - Identify and prioritize sites for initial rollout of irrigation technologies
- Design and develop strategies to improve access to technology
  - Identify and prioritize interventions to improve access to technology

    - Develop work plans/action plans using an integrated M&E system to improve promotion of MUS in target areas

Task 4.2: Deliver nutrition messaging to promote preparation and consumption of nutrient-dense and diverse foods

- Tailor integrated WASH and nutrition training guide and job aids for agriculture extension services.
- In consultation with counties and partners, review existing agriculture training materials and produce a draft
- Share draft with relevant stakeholders for inputs
- Work with FTF partners to identify key stakeholders to oversee demonstration nutritious food production plots in high-traffic areas
    - Identify and map high traffic areas, production levels, and markets in each of the target counties
    - Map and train relevant stakeholders (farmers groups, community groups, health committees, school management committees) on nutritious food production approaches

Task 4.3: Provide agricultural training and support services

- Coordinate with other Feed the Future implementers in targeted KIWASH counties to foster access to agricultural training and support
    - Identify training needs of county agricultural extension officers
    - Establish and strengthen county cross-sectoral coordination forums and learning alliances to promote the scale up of multiple use systems
- Facilitate agricultural training and extension in locations without FTF support
    - Work with FTF partners to identify areas with no or limited interventions in agricultural production
    - Select and prioritize focus areas for the initial rollout of agricultural training and extension services

Task 4.4: Track increase in consumption of nutrient-rich and diversified foods at the household level

- Incorporate dietary diversity monitoring in KIWASH M&E activities
    - Develop tools to track integration of WASH, nutrition and agricultural indicators
    - Conduct quarterly analysis and reporting of WASH, nutrition and agricultural data

Task 5.1: Expand source water quality protection

- Pilot, utilize and analyze WRMA and WRUA CAP surveys; create a shortlist of target WRUAs for Year One support
- Meet with WRMA to identify and map existing WRUAs
- Select priority counties and WRUAs; initiate the process to establish WRUAs in new areas
- Support WRMA and the respective sub-regional offices to consolidate strong WRUA presence by splitting the associations that cover large catchment areas
- Support the Kisumu sub-regional WRMA office to replicate the abstraction and pollution surveys for WRUAs not covered by GIZ
- Assist selected WRUAs to develop SCMPs
- Assist county governments to improve coordination of WASH initiatives
- Pilot climate data integration in water resources planning with KIWASCO and the Kisumu county government
- Carryout a scoping study to identify sludge management service providers and constraints to service provision

Task 5.3: Increase climate change resiliency in drinking water source planning, development and design of systems and services

- Develop climate change resiliency training modules based on findings from initial visits and CAP surveys

- Ensure that climate change resiliency training is integrated into the broader KIWASH technical assistance package. This will commence with training the respective KIWASH team leads, as well as the county embedded staff and their respective regional managers. The training will then be expanded to counterpart staff from county governments and WSPs as well as selected WRUAs.
- Develop down-scaled precipitation projections
- Assess the feasibility of implementing low-cost stream gauging devices for sub-catchments

II. KEY ACHIEVEMENTS (QUALITATIVE IMPACT)

PROJECT START-UP AND OPERATIONS

Personnel recruitment and staffing

KIWASH has significantly increased its staffing over the last quarter, filling key technical and managerial positions for the Eastern and Western regions. Managers for all technical output (i.e. component) areas, as well as M&E and communications, reported during the quarter. The team now comprises 36 staff members covering all seven output areas. Twenty four candidates for county embedded positions were recruited and are in the process of being contracted. We plan to have them on board between May and June 2016. The details of our staffing and recruitment are listed in Table 3.

KIWASH subcontractors are also fully on board. Big Five Africa, Development Innovations Group and Exp Marketing commenced activities during the quarter and provided their initial deliverables. SNV advertised and started recruitment for key positions to be based in the counties.

The project also completed procuring necessary IT and office equipment for both offices and the incoming county embedded staff.

TABLE 2: STATUS OF KIWASH STAFFING

	Name	Position	Start Date
	Expatriate/TCN		
1	Joe Sanders	Chief of Party	October 19, 2015
2	Tim Grayling	Water/Sanitation Advisor	October 26, 2015
	CCN		
3	Japheth Mbuvi	Deputy Chief of Party	October 12, 2015
4	Margaret Indimuli	Agriculture and Nutrition Advisor	November 9, 2015
5	Albert Nandwa	Groundskeeper/Nairobi	December 1, 2015
6	Caroline Njiinu	HR/Office Manager	December 9, 2015
7	Carolyne Muhavi	Accountant/Nairobi	December 11, 2015
8	Deborah Migithia	Accountant/Kisumu	December 14, 2015
9	Evarista Ing'aa	Accounting Manager	January 4, 2016
10	Diana Mulatya	Household Nutrition & WASH Manager/Eastern	January 4, 2016
11	Josphat Mukindia	WASH Infrastructure Specialist	January 10, 2016
12	Fred Opundo	Senior M&E Manager	January 4, 2016
13	Mike Wayamba	Procurement and Local Subcontracts Assistant	January 4, 2016
14	Jacob Ochieng	Environment & Climate Change Specialist	January 19, 2016
15	Doreen Mburungah	IT Officer/Kisumu	February 1, 2016
16	Leyla Harir	Procurement and Local Subcontracts Specialist/Nairobi	February 1, 2016
17	Cheuriyot Kipng'eno	GIS Specialist	February 8, 2016
18	Emily Mutai	Communications and Marketing Manager	February 15, 2016
19	Christine Banga	Household Nutrition & WASH Manager/Western	February 15, 2016
20	Kenneth Owoucha	WASH Governance Manager/Eastern	May 18, 2016
21	Calvince Kodera	WASH Governance Manager/Western	May 2, 2016
22	Geoffrey Sirengo	Financial and Administrative Manager	March 21, 2016
23	Samuel Mbugua	IT Officer/Nairobi	March 1, 2016
24	Lilian Aketch	Procurement and Local Subcontracts Specialist/Kisumu	May 16, 2016
25	John Kanyi	Grants Manager	April 4, 2016
26	Beatrice Kabuitu	Logistics Officer/Nairobi	February 9, 2016
27	Jacqueline Mbala	Administrative Assistant/Nairobi	February 22,2016
28	Nancy Ndirangu	Service Provider Capacity Building Manager/Eastern	April 5, 2016
29	Ronald Kubasu	Service Provider Capacity Building Manager/Eastern	April 18, 2016
30	Michael Babu	MUS/HH Production Manager	April 7, 2016

31	Eric Adams	Team Leader - BFA	January 4, 2016
32	Nic Wahome	Senior Utility Finance & Credit Risk Specialist	January 4, 2016
33	Annabel Waititu	Organizational & Gender Specialist	January 4, 2016
34	Susan Njeri	Utility Finance & Credit Risk Analyst	January 10, 2016
35	Dennis Mwaura	Community Outreach/M&E Specialist	January 10, 2016
36	Henry Kimonge	Procurement and Local Subcontracts Manager	May 16, 2016
37	Joyce Mutuku	WASH & Nutrition Specialist/Makueni	June 1, 2016
38	Josephine Kithinji	WASH & Nutrition Specialist/Kituii	June 1, 2016
39	Josephine Vudembu	WASH & Nutrition Specialist/Kakamega	June 1, 2016
40	Sylvia Odera	WASH & Nutrition Specialist/Siaya	June 1, 2016
41	Stephen Kamario	WASH & Nutrition Specialist/Nyamira	June 1, 2016
42	Daniel Omondi	WASH & Nutrition Specialist/Busia	June 1, 2016
43	Lorraine Ombogo	WASH & Nutrition Specialist/Migori	June 1, 2016
44	Charity Gathuthi	WASH Governance Specialist/Makueni	June 1, 2016
45	Lugard Ogaro	WASH Governance Specialist/Nyamira	June 1, 2016
46	Shadrack Juma	WASH Governance Specialist/Siaya	June 1, 2016
47	Noelle Obiri	WASH Governance Specialist/Busia	June 1, 2016
48	Hezbon Abong	WASH Governance Specialist/Migori	June 1, 2016
49	Euphresia Luseka	WASH Governance Specialist/Kakamega	June 1, 2016
50	Stephen Mutuku	WASH Governance Specialist/Kitui	June 1, 2016
51	Samuel Eshitemi	Service Provider Capacity Building Specialist/Nyamira	June 1, 2016
52	Elisha Oraro	Service Provider Capacity Building Specialist/Migori	June 1, 2016
53	Charles Gitahi	Service Provider Capacity Building Specialist/Busia	June 1, 2016
54	Stephen Osingo	Service Provider Capacity Building Specialist/Kakamega	June 1, 2016
55	Samson Wachara	Service Provider Capacity Building Specialist/Siaya	June 1, 2016
56	Alois Muthini	Service Provider Capacity Building Specialist/Makueni	June 1, 2016
57	Saidi Ngutu	Service Provider Capacity Building Specialist/Kitui	June 1, 2016
58	Evans Motari	MUS HH Production Specialist/ Nyamira	June 1, 2016
59	Joseph Mwaura	MUS HH Production Specialist/Migori	June 1, 2016
60	Elija Mboko	MUS HH Production Specialist/Busia	June 1, 2016

Offices and operations

KIWASH tracks and manages procurement, human resources, travel, technical achievements, and grants using DAI's Technical and Administrative Management Information System (TAMIS) to ensure management quality and promote collaboration between all project team members based both in Kenya and the US. DAI's TAMIS team provided training to all finance and procurements staff to ensure that the system is used effectively. A team from DAI HQ also provided support to set up the project server and online accounting system.

BASELINE SURVEYS

Task B1 Household baseline survey

In March, KIWASH sent out an Expression of Interest (EOI) to identify a suitable firm to carry out the household baseline survey. The EOI was advertised in local newspapers and on social media to ensure a wider reach to potential respondents. A total of 59 firms and individuals responded to the EOI and, after a rigorous process of review, a Request for Proposal (RFP) was sent to seven firms. A local firm, Infotrak Research & Consulting, was selected to conduct the survey.

Prior to this exercise, the KIWASH team developed three data collection tools for the baseline survey. The tools include:

- Household questionnaire – a quantitative data collection tool that targets heads of households randomly selected from urban and rural areas within the nine counties

- Focus group discussion (FGD) guidelines – a qualitative data collection tool used to moderate discussions with groups of community members desegregated by gender and age
- Key informants interview guidelines – with key respondents that have empirical insights into specific challenges and can add value to the survey. These include public health officers, health workers, nutritionists, agricultural experts, relevant national and county government officials (water officers, agricultural officers, health officers), civil society, community gate keepers, and any other stakeholders relevant to the project.

The survey exercise will be completed by early June 2016.

Task B2 Capacity and performance (CAP) survey

Draft tools were developed to carry out this survey among the Water Resources Users Associations (WRUAs) and the relevant government and quasigovernmental institutions in the nine KIWASH counties. The tools will be piloted in Kisumu County in early April, then rolled out to the remaining eight counties. Data collection and reporting will be conducted by KIWASH staff starting next quarter.

OUTPUT 1: MARKET BASED WASH DELIVERY MODELS SCALED UP

Task 1.1 Provide business development services for WASH services and products

The capacity needs and market assessment is being carried out by KIWASH partner DIG. During the quarter, 519 small business enterprises in the nine counties were surveyed. The assessment included key informant interviews with county government staff (mainly chief officers and water directors), corporate management teams of WSPs (MDs, TMs, CMs, etc.) and WRMAs. At the national level consultations were held with WSTF, Ministry of Water & Irrigation, and Ministry of Public Health and Sanitation.

Data cleaning, input and analysis will be carried out in April and the final county-specific and national reports completed in May 2016.

The criteria used to select the 200 enterprises for incubation and training is currently under development. Design of the capacity building strategy for local water and sanitation service providers has also commenced based on available findings.

Task 1.2 Scaling up sanitation, sanitation marketing and hygiene promotion

Exp Social Marketing conducted a formative assessment of key influencers of WASH behavior in four program regions centered around Kisumu, Nyamira, Busia and Makueni in order to inform KIWASH program strategy development. Local behaviors related to water handling, latrine utilization, hand washing and nutrition formed the focus of the exercise. The findings suggest a strong link between desirable WASH behavior and awareness, inherited behavior, socio-cultural beliefs, and practices perpetuated by family and community.

A communications strategic plan was developed from the findings of this assessment.

Task 1.3 Introduce and promote low cost sanitation products and services

A market survey was conducted to establish a record of prospective sanitation enterprises. Two models developed by local enterprises, Sanergy and Sanivation, present potential for scaling in target counties. KIWASH will continue to study the respective business models in order to determine their potential for replication in other areas.

OUTPUT 2: SUSTAINED ACCESS FOR FINANCING/CREDIT FOR WASH

Task 2.1 Assist WSPs upgrade business plans and strategic plans

Summary and recommendation reports

During the reporting period, KIWASH undertook introductory scoping missions to gain a deeper understanding of the current status of each of the licensed water service providers in seven of the nine KIWASH counties. Discussions with staff and a review of relevant documents revealed key gaps, opportunities and entry points for improving WSP performance in order to increase access to credit and other investments.

Figure 2: KIWASH team on mission in Makueni county

Following the WSP assessments, summary and recommendations (S&R) reports for each WSP were developed. S&R reports provide specific recommendations for short and medium term actions that would improve the viability of WSPs to meet their service delivery mandates, expand reach, and increase revenues. The status of each report is as follows:

TABLE 3: OUTPUT 2 REPORTS

County	Utility	Status
Kakamega-Busia*	Kakamega-Busia Water Supply (KBWS)	Completed
Kisumu	Kisumu Water and Sewerage Company (KIWASCO)	Completed and under review
	GULF Water and Sewerage Company	In process**
	NYANAS Water and Sewerage Company	
Migori	Migori County Water and Sanitation Company (MCWSC)	Completed and under review
Nyamira***	Gussi Water and Sewerage Company (GWASCO)	In process
Siaya	Siaya Bondo Water and Sewerage Company (SIBO)	Not started
Kitui	Kitui Water and Sanitation Company (KITWASCO)	Under review
Makueni	Wote Water and Sewerage Company (WOWASCO)	Completed and under review
	Kibwezi-Makindu Water and Sewerage Company (KIMAWASCO)	In process
Nairobi	Nairobi City Water and Sewerage Company (NCWSC)	In process

* Kakamega County and Busia County are served by one service provider at the moment.

** One S&R report will be developed to summarize the position of both GULF and NYANAS due to their small size and low level of development in the focus areas of technical support for Output 2.

*** Nyamira County is currently served by the Gussi Water and Sewerage Company.

WSP Scopes of Work

The scopes of work (SOWs) outline areas where KIWASH will provide technical support to the WSPs in order to increase their chances for debt or equity financing. During the reporting period, KIWASH reviewed the S&Rs report with the utility companies and developed SOWs that specify the types of technical support to be provided and the approximate time frames for activities. The SOWs will be reviewed and approved in April.

Task 2.2 Assist WSPS to improve operations and financial performance

Gender mainstreaming training for WSPs

On March 21-23, KIWASH conducted a gender equality mainstreaming training with the Kakamega Busia Water Supply. The workshop brought together 27 participants from the corporate management team and other managers, comprised of 16 women and 11 men. Seventy percent of the participants were below 35 years of age.

The overall objective of the course was to help staff of the water utilities understand the important role that gender equality mainstreaming plays in improving utility performance and economic viability. A pre and post-training self-assessment was carried out to determine participants' levels of understanding in the different subject areas. The post evaluation revealed that understanding had drastically gone up and participants were now equipped to apply gender equality mainstreaming in their day to day work in the following areas:

- Understanding gender and gender concepts and their relevance in the sector
- Gender responsive monitoring and evaluation
- Gender mainstreaming in the project cycle
- Knowledge on key gender issues in sanitation management

At the end of the workshop, participants developed departmental action plans to enable them to implement the newly acquired knowledge and achieve institutional change. Some actions areas included:

- Disaggregation of customer data by sex
- Employment policies to ensure women and men have equal opportunities
- Customer satisfaction surveys and findings analysis
- Equipping sanitation facilities with sanitary bins
- Creating a gender responsive working environment to improve efficiency and productivity
- Connections for female customers

Task 2.3 Assist WSPs develop investment strategies that will substantially expand coverage

Investments opportunities were identified through the S&R reporting process. These opportunities will be assessed further in the coming quarter and a process will be developed for moving potential projects forward.

The S&R reporting process made evident the need for community outreach and education efforts to support water service provision and uptake (Nairobi–NCWSC), rebuild confidence on water service provision (Kisumu–GULF, NYANAS), and support efforts to transition households from flat rates to metered connections (Migori–MCWSC), among others.

OUTPUT 3: ACCESS TO INTEGRATED WASH AND NUTRITION SERVICES IMPROVED

Task 3.1 Integrate and promote essential nutrition and WASH interventions

Developing integrated WASH and nutrition training guides

The KIWASH Nutrition and WASH team initiated joint work planning activities with county technical staff from the health, nutrition and agriculture sectors in Kisumu, Migori and Makueni counties. KIWASH was able to identify areas of collaboration and immediate intervention.

The team also developed a draft WASH and Nutrition and Agriculture Facilitators Guide that will be used by community health and agricultural extension workers to integrate Essential WASH Actions (EWA) with Essential Nutrition Actions (ENA) and agriculture at the community and household

level. Next quarter, the guide will be discussed in detail with county counterparts and stakeholders for consensus building before a final version is developed.

Designing BCC campaign materials on CLTS

KIWASH undertook formative consumer research into knowledge, attitudes and barriers around sanitation behaviors that the project aims to address. Counties were clustered into five groups based on characteristics of culture and language. County specific reports are being prepared and will inform the design of the behavior change communication (BCC) campaign materials for future community led total sanitation (CLTS) programs.

Integrating WASH, MCH and nutrition services

KIWASH developed a health facility assessment tool that will be used to determine the capacity, accessibility and availability of health facilities in the nine target counties. Data and information from the assessment will guide planning and programming for integrating WASH, maternal and child health (MCH) and nutrition interventions at health facilities.

The guide will be administered to hospital administrators and managers or the most senior health worker responsible for client services present at the time of the interview. The tool will collect information on access to WASH facilities (water supply, sanitation and hygiene, environmental sanitation), child health services especially for children under five years of age, antenatal care, other services provided by complementary partners at the health facility, staffing, and tools used by the health workers for assessments, monitoring and reporting. The tool will be piloted in select health facilities in Kisumu, Kitui, Nairobi and Makueni and discussed with relevant county staff before finalization.

Data will be collected in the subsequent quarter and will serve as a baseline for initial benchmarking.

OUTPUT 4: INCREASED PRODUCTION AND CONSUMPTION OF NUTRIENT DENSE FOOD

Task 4.1 Increased access to water for agricultural productivity

Working with FTF partners to identify gaps in access to irrigation

KIWASH held several strategy meetings with key staff from the Kenya Agricultural Value Chain Enterprises (KAVES) project to identify areas of collaboration and to specifically examine how KIWASH can maximize impacts on productivity and incomes for KAVES-supported farmers through improved access to small-scale irrigation technologies. Other areas of discussion included opportunities for zero grazing livestock production and riverbed farming of horticultural crops.

Identifying appropriate irrigation technologies and suppliers

The semi-arid county of Makueni was selected for a county level assessment on rural water supply functionality and opportunities for KIWASH to support its improvement. The team reviewed appropriate approaches and technologies, including rainwater harvesting, farm ponds, roof catchments, moist beds and Zai pits.

KAVES also shared information on small-scale irrigation technologies that are in use in the higher rainfall western counties and in the arid and semi-arid counties (ASAL) of Kitui and Makueni. KIWASH is currently exploring ideas for various financing mechanisms that can be used to improve the accessibility of these technologies for smallholder farmers.

Task 4.2 Deliver nutrition messaging to promote preparation and consumption of nutrient-dense and diverse foods

Tailoring integrated WASH and nutrition training guide and job aids for agriculture extension services

Content on smallholder agriculture has been incorporated in the draft outline of the integrated WASH/Nutrition/Agriculture training guide. Discussions continue with relevant county officials within the agriculture sector in order to develop a final draft, with a focus on how KIWASH can best integrate the objectives of smallholder farmers with improvements in WASH and nutrition.

OUTPUT 5: ENVIRONMENTAL SUSTAINABILITY OF WASH SERVICES INCREASED

Task 5.1 Expand source water quality protection

KIWASH made introductory and technical visits to the counties of Kisumu, Makueni and Siaya, and held detailed consultations with relevant county government technical officials, Water Resource Management Authority (WRMA) officers, WSP technical staff, various community based organizations (CBOs), and relevant non-governmental organizations (NGOs) in the water sector.

WRMA sub-region offices are responsible for their respective Kenyan river basins, whose boundaries bear little, or no, relationship to county administrative boundaries. Thus, some KIWASH counties are covered by more than one WRMA, as follows:

- Middle Athi – all of Makueni and parts of Kitui
- Kisumu – Kisumu county
- Siaya – all of Siaya, parts of Kakamega and Busia
- Nairobi – Nairobi county
- Kisii – Migori and Nyamira
- Kitui – Kitui county;
- Kitale – parts of Kakamega and Busia not covered by the Siaya office

Key findings and planned interventions

Kisumu

Kisumu county has 31 WRUAs, most of which have operational inefficiencies due to the large spatial coverage – as much as 298 square kilometers compared to the 100-150 square kilometers recommended by WRMA. The sub-regional Kisumu WRMA office has plans to subdivide some WRUAs and requested that KIWASH support the activity. WRUAs in the Kisumu sub-basin cover ecologically sensitive landscapes that would need support given that most do not have sub-catchment management plans (SCMPs).

In addition, WRMA has not managed to map all water sources in the county. Currently, GIZ is piloting an abstraction and pollution survey for one WRUA with WRMA.

Siaya

In Siaya county, many rural populations depend on springs that are degraded and vulnerable due to human settlement encroachment, poor or unsustainable agricultural land use, and pollution. One of the springs visited in Sigomre, and developed by the Kisama WRUA, is an example of this. The WRUA needs support to rally landowners surrounding the wetlands to ensure its protection. The area has many similar springs with high potential to enhance water accessibility to rural consumers if the springs are well protected. By the time of KIWASH's investigation in March, WRMA had not managed to map all water sources in the county.

Makueni

The Middle Athi sub-region WRMA office indicated that most WRUAs are not active due to a lack of funding. This coincides with the fact that the Water Services Trust Fund (WSTF) has not included this county as one of its priority areas for support during the past three years. As a result, most WRUA have not implemented the SCMPs.

As a result of these findings, KIWASH in the next quarter will:

- Identify and support WRUAs whose jurisdictions cover sensitive and vulnerable water ecosystem areas. WRUAs that cover catchment areas that provide water sources for WSPs will be priority.
- Carryout the capacity and performance (CAP) survey assessments for the WRMA regional offices and selected WRUAs. KIWASH will provide capacity building for these WRUAs, including enhancement of community sensitization on environmental conservation.
- Build the capacity of WSPs and county governments in integrating climate data in water security planning

Task 5.3 Increase climate change resiliency in drinking water source planning, development and design of systems/ services

The water companies visited in Kisumu, Makueni and Siaya do not have capacity to downscale or utilize climate data. They are, however, concerned about how climate change patterns are affecting water supply dynamics and affecting their operations, despite having a range of different water sources such as earth dams, sand dams, boreholes and springs. Varying precipitation patterns arising from different climate change scenarios will affect these sources uniquely.

KIWASH found that none of the WSPs are using climate change data in their water resource planning, maintenance and delivery. This indicates that downscaled climate change data, precipitation predictions in particular, are necessary if the WSPs are to adequately prepare for the consequences of climate change on their operations. There is great desire among the county government staff to have capacity and training towards this end.

Discussions were also initiated with the Regional Centre for Mapping of Resources for Development (RCMRD) for developing downscaled precipitation projections that can be utilized by county governments and WSPs.

Task 5.1 Integrate sludge management with sanitation services

In March, KIWASH initiated work on the development of the sanitation value chain. KIWASH held discussions with sanitation stakeholders in Nairobi, including Water and Sanitation for the Urban Poor (WSUP), Practical Action, Sanergy, Umande Trust, and GOAL Kenya. Consultations were also held with the Nairobi county government WASH representatives.

KIWASH participated in Urban Sanitation Technical Working Group (USTWG) and is contributing to the review of indicators tracked for sanitation monitoring.

Geographic Information Systems (GIS)

A GIS data collection template was designed incorporating data and input from USAID. The template will comply with USAID requirements and will incorporate all KIWASH component activities in order to support project indicator tracking. During the quarter, KIWASH sourced datasets from different partners including sets from USAID on health facilities, schools, administrative boundaries and natural resources.

A GIS capacity assessment of the WSPs in Makueni county (Kibwezi and Makindu Water and Sanitation Company, Mbooni Water Service Provider and Wote Water and Sanitation Company) was carried out in preparation for adoption of GIS technology. The assessment also gathered information on the utilities' operations and evaluated how GIS could be used to improve utility management.

KIWASH is also assessing the suitability of open source QGIS software for use by WSPs. The software is suitable for creating simple maps showing service area boundaries, piped networks and other features.

The GIS Specialist commenced preparation of GIS training materials for WSPs, KIWASH staff and partners. Basic GIS knowledge is necessary for all staff to ensure effective project monitoring and activity tracking.

OUTPUT 6: WASH SERVICES AND WATER RESOURCES INSTITUTIONS STRENGTHENED AND APPROPRIATELY GOVERNED

To be reported in the subsequent quarter.

OUTPUT 7: TARGETED POLICY REFORMS ADVANCED WHICH STIMULATE AND SUPPORT ACCESS IMPROVEMENTS

Task 7.1 Assist with WASH Sector transition to devolution

During the period under review, KIWASH initiated its collaboration with GoK partners and relevant stakeholders with an analysis of current policies and regulations. This is critical to understanding how these policies affect the devolution of water and sanitation service provision, which is now a county function. Meetings were held with senior government officials in the Ministry of Water and Irrigation (MOWI) and the Council of Governors to inquire on the status of the New Water Act currently before Parliament. The bill, which is expected to be passed in the coming quarter, will provide an opportunity for the project to support county governments' development of county-level policies in harmony with the national law.

Lessons Learned

To be reported in subsequent quarters.

III. ACTIVITY PROGRESS (QUANTITATIVE IMPACT)

As KIWASH was initiated recently, progress on specific activities and indicators cannot yet be reported. However, a detailed performance monitoring plan (see below) and monitoring and evaluation plan, by which the project's quantitative impacts will be measured, have been submitted for USAID approval and are currently under review.

TABLE 4: KIWASH'S PROPOSED PERFORMANCE MONITORING PLAN: LIFE-OF-PROJECT

#	Performance Indicators	Level of Indicator	F indicator / Custom	Unit of measure	Baseline	FY 16 Targets	FY 17 Targets	FY 18 Targets	FY 19 Targets	FY 20 Targets	LOP Targets
GOAL: To improve lives and health through development and management of sustainable water, sanitation, and hygiene services in Kenya											
1	G 1: # of people with improved access to WASH services (1,000,000)	Impact	SOW	# of people	TBD	TBD	TBD	TBD	TBD	TBD	**1,000,000**
PURPOSE: Accelerated and sustained improvements in water and sanitation access and services in the target counties complemented by improvements in hygiene and nutrition behaviors											
2	P 1: % of households using an improved drinking water source in target communities (F 3.1.8.1-1) (1.9% annual increase)	Impact	SOW	% of households	62%	63%	64%	66%	67%	68%	**68%**
3	P 2: % of households using an improved sanitation facility in target communities (F 3.1.8.2-1) (1.2% annual increase)	Impact	SOW	% of households	30%	30%	31%	31%	31%	32%	**32%**
4	P 3: % of population in target counties practicing open defecation (F 3.1.6.8-3) (2.2% annual decrease)	Impact	SOW	% of population	12%	11.7%	11.5%	11.2%	11.0%	10.7%	**10.7%**
5	P 4: % of households with water and cleansing agent at a hand washing station (F 3.1.6.8-1) (5% LOP increase)	Impact	SOW	% of households	TBD	TBD	TBD	TBD	TBD	TBD	**5% increase over baseline**
6	P 5: Prevalence of children 6 - 23 months receiving a minimum acceptable diet (F 3.1.9.1-1) (100,000)	Impact	SOW	% of children	30%	33%	36%	39%	42%	45%	**45%**

#	Performance Indicators	Level of Indicator	F indicator / Custom	Unit of measure	Baseline	FY 16 Targets	FY 17 Targets	FY 18 Targets	FY 19 Targets	FY 20 Targets	LOP Targets
7	P 6: Women's Dietary Diversity: Mean number of food groups consumed by women of reproductive age (F 3.1.9.1-2) (60,000)	Impact	FTF Targets	Mean # of food groups	TBD	TBD	TBD	TBD	TBD	TBD	**5**

#	Performance Indicators	Level of Indicator	F indicator / Custom	Unit of measure	Baseline	FY 16 Targets	FY 17 Targets	FY 18 Targets	FY 19 Targets	FY 20 Targets	LOP Targets
INTERMEDIATE RESULT AREA 1: Improved WASH service delivery through strengthened public and private WASH service providers											
8	IND 1.1: # of communities certified as "open defecation free" (ODF) as a result of USG assistance (F 3.1.6.8-5) (200)	Outcome	SOW & WASH Targets	# of communities	0	0	25	70	70	35	**200**
9	IND 1.2: # of people gaining access to an improved drinking water source (F 3.1.8.1-2) (800,000)	Outcome	WASH Targets	# of people	0	50,000	150,000	210,000	250,000	140,000	**800,000**
10	IND 1.3: # of people gaining access to an improved sanitation facility (F 3.1.8.2-2) (400,000)	Outcome	WASH Targets	# of people	0	50,000	125,000	125,000	75,000	25,000	**400,000**
11	IND 7.1: # of stakeholders with increased capacity to deliver water and sanitation services as measured by the WASH CAP index (20)	Outcome	SOW	# of WASH stakeholders	0	0	4	6	7	3	**20**
12	IND 6.1: # of county governments with improved institutional capacity to address WASH management issues as measured by the WASH CAP index (9)	Outcome	Proposal	# of County governments	0	0	2	3	3	1	**9**
13	IND 5.2: # of WASH stakeholders with improved capacity to address climate change issues (40)	Outcome	SOW	# of WASH stakeholders	0	0	5	10	15	10	**40**
14	IND 5.3: # of service providers responsibly addressing waste sludge management (5)	Outcome	SOW	# of service providers	0	0	0	2	2	1	**5**
15	IND 6.2: % of a drinking water utility's supply that is non-revenue (F - 3.1.8.5-1) (15% LOP decrease)	Outcome	WASH Targets	% of WSP water supply	42%	40%	38%	35%	31%	27%	**27%**
16	IND 5.1: % increase in geographic areas	Outcome	SOW	% increase	TBD	0%	5%	15%	20%	10%	**50%**

	served by WRUAs (50%)			in Km2							
17	IND 1.4: # of appropriate technologies successfully introduced to the local market (4)	Outcome	SOW	# of appropriate technologies	0	0	0	2	2	0	**4**
#	Performance Indicators	Level of Indicator	F indicator / Custom	Unit of measure	Baseline	FY 16 Targets	FY 17 Targets	FY 18 Targets	FY 19 Targets	FY 20 Targets	**LOP Targets**
18	IND 7.1.1: # of policies, laws, agreements, regulations, or investment agreements (public or private) that promote access to improved water supply and sanitation (F - 3.1.8.3-1) (9)	Output	SOW & WASH Targets	# of policies, laws, agreements, and regulations or investment agreements	0	0	2	3	3	1	**9**
19	IND 1.1.3: # of improved toilets provided in institutional settings (F - 3.1.8.2-3) (25)	Output	WASH Targets	# of toilets	0	5	15	5	0	0	**25**
20	IND 1.1.4: # of different stakeholder institutions (including regulatory entities, CSOs, local governments) receiving technical assistance for improved M&E, reporting and improved sector accountability (20)	Output	SOW	# of stakeholder institutions	0	2	5	5	5	3	**20**
21	IND 6.1.2: # of sub-national entities receive KIWASH assistance to improve performance (27)	Output	Proposal	# of sub-national entities	0	3	7	7	7	3	**27**
22	IND 1.1.1: # of businesses incubated to deliver WASH products and services based on market demand (200)	Output	SOW	# of businesses	0	10	20	70	65	35	**200**
23	IND 6.1.1: # of PPPs established or	Output	Proposal	# of PPPs	0	0	3	6	6	3	**18**

	strengthened with USG support (18)										
24	IND 1.1.2: # of staff from public or private WASH stakeholder organizations trained for improved service provision (400 staff)	Output	SOW	# of people trained	0	50	100	150	100	0	**400**
25	IND 2.1.1: Amount of funding mobilized for water service providers to increase access to WASH services or improve efficiency (USD 4,000,000)	Output	SOW	USD	0	$400,000	$1,000,000	$1,500,000	$800,000	$300,000	**$4,000,000**

INTERMEDIATE RESULT AREA 2: Improved health and nutrition through integrated WASH and nutrition service delivery											
#	Performance Indicators	Level of Indicator	F indicator / Custom	Unit of measure	Baseline	FY 16 Targets	FY 17 Targets	FY 18 Targets	FY 19 Targets	FY 20 Targets	**LOP Targets**
26	IND 3.1: # of clinics integrating WASH messaging, products and services (E.g. NACS, ORT corners, MCH, etc.) (50)	Outcome	Proposal	# of clinics	0	5	10	20	15	0	**50**
27	IND 4.1: % of households benefiting from (new/improved) access to water for irrigated kitchen gardens, dairy, or poultry production as a result of USG assistance (50,000)	Outcome	SOW	% of Households	TBD	TBD	TBD	TBD	TBD	TBD	**2% increase**
28	IND 3.2: % of people benefiting from integrated WASH and nutrition services (150,000)	Outcome	SOW	% of people	TBD	TBD	TBD	TBD	TBD	TBD	**1.4% increase**
29	IND 4.2: # of farmers and others who have applied improved technologies or management practices as a result of USG assistance (50,000)	Outcome	FTF Targets	# of farmers	0	2,000	10,000	15,000	15,000	8,000	**50,000**
30	IND 3.1.1: # of water and hygiene kits distributed (10,000)	Output	SOW	# of kits	0	500	2,500	3,000	3,000	1,000	**10,000**
31	IND 3.1.2: # of knowledge products created on coordinated WASH-Nutrition programming (10)	Output	SOW	# of knowledge products	0	3	5	2	0	0	**10**
32	IND 3.1.6: # of rural households benefiting directly from USG interventions (F 4.5.2-13) (50,000)	Output	FTF Targets	# of rural households	0	2,000	10,000	15,000	15,000	8,000	**50,000**

33	IND 3.1.4: # of individuals trained to implement improved sanitation methods (300)	Output	WASH Targets	# of individuals	0	20	50	100	100	30	**300**
34	IND 3.1.7: # of health workers trained in ENA / EWA (900)	Output	Proposal	# of health workers	0	100	200	300	200	100	**900**
35	IND 3.1.5: # of people trained in child health and nutrition through USG-supported programs (F 3.1.9-1) (900)	Output	FTF Targets	# of people	0	100	200	300	200	100	**900**
36	IND 4.1.1: # of agricultural extension providers trained in WASH and nutrition (250)	Output	Proposal	# of agricultural extension providers	0	20	70	70	70	20	**250**
37	IND 4.1.2: Total Estimated number of Smallholder beneficiaries (50,000)	Output	FTF Targets	# of smallholder beneficiaries	0	2,000	10,000	15,000	15,000	8,000	**50,000**
38	IND 4.1.3: Total Estimated percentage of Smallholders among all FTF beneficiaries (100%)	Output	FTF Targets	% of FTF beneficiaries	0	100%	100%	100%	100%	100%	**100%**

IV. CONSTRAINTS AND OPPORTUNITIES

In the reporting period, the KIWASH team mainly engaged in consultation, planning and technical assessments with county departments, WSPs and county leaders. The staff gathered lessons, as detailed below.

TABLE 5: CONSTRAINTS AND OPPORTUNITIES

Challenge	Actions taken / recommendations to address the challenges
Serious governance issues affecting WSPs	KIWASH staff have identified governance challenges with a number of WSPs, most notably in Kakamega-Busia, Kitui, and Gusii. KIWASH is reaching out to county staff to discuss and coordinate KIWASH activities with the WSPs, while at the same time clarifying their roles within the WSP board of directors. County governments have also intervened through their CECs to remove WSP managing directors in Wote and Kibwezi Makindu. During the next two quarters, KIWASH will be meeting with counties to discuss these issues, clarify roles, and introduce the idea of governance training to county water departments. KIWASH will also ensure county support for the program's technical work with WSPs under Output 2 so that activities progress on schedule. KIWASH will also provide corporate governance trainings for all utilities. It is hoped that passage of the new Water Bill, expected by June, will bring more clarity to sector governance.
Lack of readily available information	The KIWASH team has strong capacity to support and work with WSP staff to get accurate and consolidated information. While lack of readily available information is a challenge, this is not hampering the team's ability to deliver on schedule.
Expectation by WSPs that KIWASH would provide direct financial aid	Staff continue to explain the role of the program and how it will be implemented to leverage resources, making it clear that KIWASH is not a grant making project.
Counties are at different levels in terms of institutional capacity, structures and systems	This will require the KIWASH team to tailor interventions to suit specific county contexts. For instance, KIWASH recognizes that the number of existing and functional Community Health Units that support health promotion at the grassroots level varies across counties.
Upcoming elections in 2017 and the potential for politicians to redirect resources to activities and areas not prioritized by KIWASH	KIWASH is developing county work plans and memorandums of understanding (MOU) to define cooperation between partners and county governments. KIWASH county embedded staff will manage county work plans, supervise routine operations, and provide management oversight on a day-to-day basis.

V. PERFORMANCE MONITORING

To be reported in subsequent quarters.

VI. PROGRESS ON GENDER STRATEGY

For KIWASH to achieve its ambitious goal of reaching 1 million people, it must successfully mobilize the commitment and creativity of both men and women in the process. Gender equality

mainstreaming is a key factor in poverty reduction and improved utility performance. Adequate access to WASH services improves the status of women and men, and integrating gender in water supply management enhances the business and performance of water service providers. Realization of all components of the KIWASH program will highly depend on the extent to which gender equality is mainstreamed in the entire process. Failure to recognize gender equality concerns in water supply pose significant barriers to expansion of services, economic sustainability, and non-revenue water reduction.

KIWASH has taken the following steps to ensure gender equality mainstreaming in all program activities through:

- Training staff from WSPs and other counterpart institutions in (e.g. health and community workers) on gender equality mainstreaming
- Disaggregating data by sex and age during assessments, trainings and reporting
- Ensuring adequate representation of female and male staff in trainings and capacity building activities – normally insisting on 50% representation

Internally, KIWASH also ensures gender considerations in staff and partner recruitment.

VII. PROGRESS ON ENVIRONMENTAL MITIGATION AND MONITORING

Comments on the draft EMMP submitted in December 2015 were received in March 2016. The document was revised accordingly and resubmitted to USAID for approval. All relevant KIWASH activities will be implemented in accordance with the Plan.

VIII. PROGRESS ON LINKS TO OTHER USAID PROGRAMS

During the quarter, the KIWASH team met with other USAID-funded projects to agree on areas of collaboration and the way forward in counties where activities overlap, including:

- Afya Jijini – met with the COP, Nutrition/WASH Adviser and the M&E Director; explored areas of collaboration in WASH and nutrition in Nairobi county
- Aphia Kamili – met with the Country Director for JPHIEGO, Dr. Mudany, to explore areas of collaboration in the eastern counties of Kitui and Makueni
- KAVES – held follow up meetings with the regional managers in Kisumu and Kitui in order to map out intervention areas and agree on the way forward, which will help us identify potential farmer groups, agricultural suppliers and traders to work with.
- NHP Plus – met with the COP and technical staff and agreed to collaborate in areas where our programs overlap, especially in Kitui, Makueni and Nairobi

IX. PROGRESS ON LINKS WITH GOK AGENCIES

KIWASH senior management and technical teams held several county consultations with the county governments of Kakamega, Kitui, Makueni, Kisumu, Nairobi, Siaya, Busia and Nyamira to introduce the KIWASH project and develop county work plans for implementation of KIWASH activities.

X. PROGRESS ON USAID FORWARD

To be reported in subsequent quarters.

XI. SUSTAINABILITY AND EXIT STRATEGY

To be reported in subsequent quarters.

XII. GLOBAL DEVELOPMENT ALLIANCE (IF APPLICABLE)

Not applicable.

XIII. SUBSEQUENT QUARTER'S WORK PLAN

During the third quarter of FY 2016 (April to June), KIWASH will undertake the following activities as per the proposed Year One Work Plan.

Task 1.1: Provide business development services for WASH services and products

- Finalize the small enterprise survey report in May 2016.
- Define the criteria for selection of the firms/businesses for incubation.
- Design the WASH Enterprise and Innovation Fund under the leadership of the Grants Manager

Task 1.2: Scale up sanitation, sanitation marketing and hygiene promotion

- Kick start the incubation process to help sanitation enterprises improve marketing approaches
- Design and rollout sanitation and hygiene campaigns in all the nine target counties (EXP Social marketing). A total of five campaigns will be rolled out based on the outcomes of the immersion studies.

Task 2.1: Assist WSPs upgrade business plans and strategic plans

- Finalize summary and recommendations reports for Siaya, Nairobi, Gulf/Nyanas (Kisumu) and Makueni WSPs
- Sign MOUs with WSPs and county governments
- Prepare scopes of work for the WSPs in Siaya, Kisumu, Migori, Nairobi, Makueni

Task 2.2: Assist WSPs to improve operations and financial performance

- Carry out gender training for Siaya Water and Migori water companies,
- Meet with specific county governments to discuss governance challenges – Kakamega, Nyamira and Kitui
- Carryout governance training for Migori and Makueni WSPs and government water staff
- Review community outreach and education plans and KIWASH's role for an output based aid project for the Nairobi water company

Task 3.2: Integrate and promote essential nutrition and WASH interventions

- Develop integrated WASH/Nutrition/Agriculture training guide
    - Gather and review existing nutrition and WASH training guides from various stakeholders to identify gaps and plan for improvement/revision

    - Collate information from existing training guides and generate a draft
    - Gather inputs from the target counties to be included in the training guide
- Conduct training-of-trainers (ToT) refresher courses with the APHIA partners, community health workers, nutritionists and other key groups at the county level on the training guide
    - Identification and mapping of ToTs in at least two counties
    - Conduct ToT training in at least one County
- Design BCC campaign materials on CLTS (sanitation) and hygiene promotion
    - Develop county-specific BCC materials in at least two counties
- Design and operationalize Healthy Behaviors Grant Fund
    - Develop a conceptual framework for the operationalization of the Healthy Behaviors grant fund
    - Request for proposals from possible sub-grantees

Task 3.2: Improve Integration of WASH, MCH and Nutrition services:

- Develop targeted EWA job aids to reinforce training efforts on best practices
    - Conduct health facility assessment of WASH and nutrition interventions in the nine target counties
    - Design and procure WASH promotion kits

Task 3.3: Strengthened evidence base and programming guidance for coordinated WASH-nutrition programming

- Identify research partner to design multi-year study
    - Develop scope of work for multi-year study, identify potential partners, and release request for proposals

Task 4.1: Increased access to water for agricultural productivity

- Work with FTF partners to identify farmers and household constraints to accessing water
    - Identify potential and limitations of multiple use services (MUS)
    - Develop context-specific strategies, approaches and work plans to mitigate MUS challenges
- Identify appropriate irrigation technologies and suppliers
    - Profile existing low cost irrigation technologies and suppliers in target counties
    - Identify and prioritize sites for initial rollout of irrigation technologies
- Design and develop strategies to improve access to technology
    - Identify and prioritize interventions to improve access to technology
    - Develop work plans/action plans using an integrated M&E system to improve promotion of MUS in target areas

Task 4.2: Deliver nutrition messaging to promote preparation and consumption of nutrient-dense and diverse foods

- Tailor integrated WASH and nutrition training guide and job aids for agriculture extension services.
- In consultation with counties and partners, review existing agriculture training materials and produce a draft
- Share draft with relevant stakeholders for inputs
- Work with FTF partners to identify key stakeholders to oversee demonstration nutritious food production plots in high-traffic areas
    - Identify and map high traffic areas, production levels, and markets in each of the target counties
    - Map and train relevant stakeholders (farmers groups, community groups, health committees, school management committees) on nutritious food production approaches

Task 4.3: Provide agricultural training and support services

- Coordinate with other Feed the Future implementers in targeted KIWASH counties to foster access to agricultural training and support
    - Identify training needs of county agricultural extension officers
    - Establish and strengthen county cross-sectoral coordination forums and learning alliances to promote the scale up of multiple use systems
- Facilitate agricultural training and extension in locations without FTF support
    - Work with FTF partners to identify areas with no or limited interventions in agricultural production
    - Select and prioritize focus areas for the initial rollout of agricultural training and extension services

Task 4.4: Track increase in consumption of nutrient-rich and diversified foods at the household level

- Incorporate dietary diversity monitoring in KIWASH M&E activities
    - Develop tools to track integration of WASH, nutrition and agricultural indicators
    - Conduct quarterly analysis and reporting of WASH, nutrition and agricultural data

Task 5.1: Expand source water quality protection

- Pilot, utilize and analyze WRMA and WRUA CAP surveys; create a shortlist of target WRUAs for Year One support
- Meet with WRMA to identify and map existing WRUAs
- Select priority counties and WRUAs; initiate the process to establish WRUAs in new areas
- Support WRMA and the respective sub-regional offices to consolidate strong WRUA presence by splitting the associations that cover large catchment areas
- Support the Kisumu sub-regional WRMA office to replicate the abstraction and pollution surveys for WRUAs not covered by GIZ
- Assist selected WRUAs to develop SCMPs
- Assist county governments to improve coordination of WASH initiatives
- Pilot climate data integration in water resources planning with KIWASCO and the Kisumu county government
- Carryout a scoping study to identify sludge management service providers and constraints to service provision

Task 5.3: Increase climate change resiliency in drinking water source planning, development and design of systems and services

- Develop climate change resiliency training modules based on findings from initial visits and CAP surveys
- Ensure that climate change resiliency training is integrated into the broader KIWASH technical assistance package. This will commence with training the respective KIWASH team leads, as well as the county embedded staff and their respective regional managers. The training will then be expanded to counterpart staff from county governments and WSPs as well as selected WRUAs.
- Develop down-scaled precipitation projections
- Assess the feasibility of implementing low-cost stream gauging devices for sub-catchments

TABLE 6: STATUS OF PREVIOUS QUARTER'S PLANNED ACTIONS

Planned Actions from Previous Quarter	Actual Status this Quarter	Explanations for Deviations
Design comprehensive household baseline survey instrument	Three survey tools were developed for the household survey.	None

Conduct the survey in nine counties and produce comprehensive survey reports	A firm contracted to carry out the survey and an inception report completed.	Minor delays in selecting and contracting the firm. Exercise will be completed in the next quarter.
Identify at least 200 WASH service providers for "incubation"	A large scale survey of 519 medium and small enterprises was completed.	Activity continues into the next quarter
Analyze WSP strategic business plans in each county	Seven WSPs' strategic plans analyzed and summary and recommendations reports prepared for five utilities.	None, activity continues into the next quarter
Support water utilities to devise investment strategies to substantially expand reach	Scopes of work are in progress for each WSP detailing technical assistance needs in support of investment strategies.	None, activity continues into the next quarter
Develop integrated WASH, nutrition and agriculture training guide	Draft outline completed; consultations with county stakeholders scheduled for next quarter.	None. County embedded staff will be onboard in May/June to support the process.
Design BCC campaign materials on CLTS	The design process is currently underway.	None
Design and operationalize Health Behaviors grant fund	Postponed to next quarter	Design of the grant fund depends on the ground-level experience and observations of county embedded teams.
Identify research partner to design multi-year study	Draft scope of work is currently being developed.	None, activity is ongoing
Work with FTF partners to identify gaps in water access	All potential FTF partners have been engaged. Discussions and partner/activity mapping are ongoing.	None, activity is ongoing
Identify appropriate irrigation technologies and suppliers	Discussions ongoing with FTF partners to map out these suppliers and the technologies.	None, activity is ongoing
Work with FTF partners to identify lead partners for demonstration of nutritious food plots	To be started in the next quarter	Requires presence of county embedded staff who will be onboard in May/June
Coordinate with FTF partners to increase access to agricultural training	Discussions with FTF partners are still ongoing.	Training will start once the training guide is developed and county embedded staff are onboard.
Incorporate dietary diversity monitoring in KIWASH M&E	Incorporated into the household baseline survey to be carried out in April 2016.	None, activity is ongoing
Meet with WRMA to identify and map existing WRUAs	Meetings held with WRMA and WRUAs in three counties; survey tool developed to finalize technical assessment.	None, activity is ongoing

Select priority counties and WRUAs	Survey tool to assess WRUAs completed and initial assessment in three counties carried out.	None, activity is ongoing
Develop climate change resiliency training modules	Discussions with WSPs and county governments in three counties completed.	None, activity is ongoing
Collaborate with GOK partners and relevant stakeholders to analyze current policies	Meetings were held with senior government officials in MOWI and the Council of Governors to follow up on the New Water Act currently before Parliament.	Ongoing, the Water Bill is expected to be passed in the next quarter.

XIV. FINANCIAL INFORMATION

KIWASH continues to establish many aspects of its operations. We anticipate that operations and subcontract costs will be become more predictable and steady in Q3 and Q4 as the project becomes fully operational. Projected costs across most categories will increase over the coming three quarters as more staff members are hired, technical activities ramp up, and the grants program begins.

Cash Flow Report and Financial Projections (Pipeline Burn-Rate)

CHART 1: OBLIGATIONS VS. CURRENT AND PROJECTED EXPENDITURES

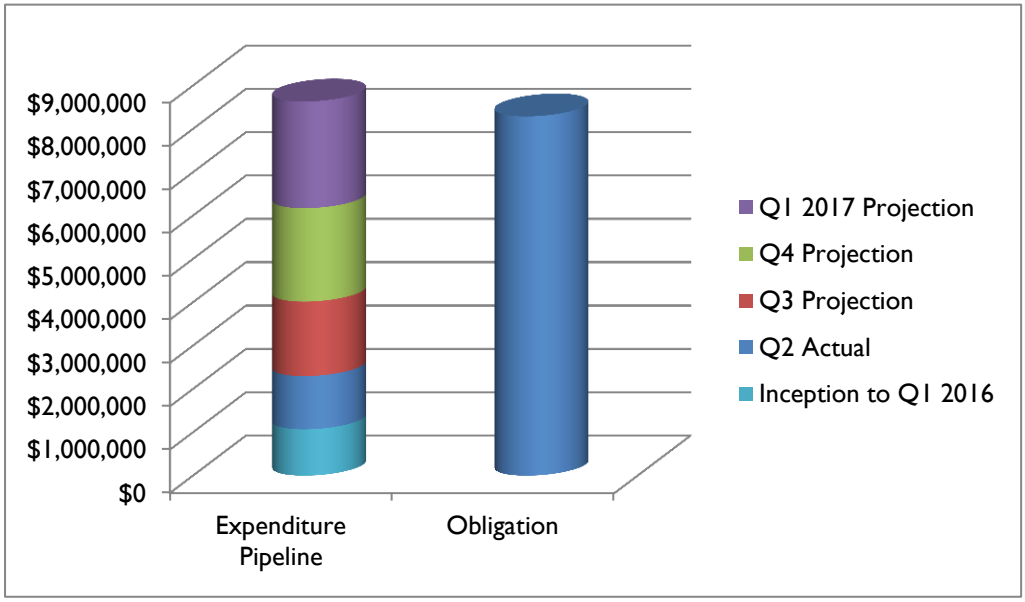

TABLE 7: BUDGET DETAILS

Total Estimated Cost: **$50,995,898**
Cumulative Obligation: **$8,290,940**
Cumulative Expenditure: **$2,298,355**

Obligation	2nd Quarter Actual Expenditures	3rd Quarter Projected Expenditures	4th Quarter Projected Expenditures	1st Quarter 2017 Projected Expenditures
Total: 8,290,941	1,228,053	1,718,703	2,155,535	2,460,605
Salaries and Wages*	178,845	224,417	253,056	253,056
Fringe Benefits	23,814	15,734	13,257	13,257
Overheard	106,032	125,649	139,335	139,335
Travel, Transportation and Per diem	70,342	48,871	66,000	86,434
Allowances	43,815	37,905	110,028	27,528
Other Direct Costs	262,506	499,472	644,751	964,876
Procurement (Office & IT Equipment)	6,117	130,000	10,000	0
Consultants	14,496	6,000	9,000	9,000
Subcontractors	344,867	387,000	552,000	539,500
Grants Under Contract	0	0	60,000	90,000
General & Administrative	115,277	161,812	197,178	223,019
Fixed Fee	61,942	81,843	100,930	114,600

* Labor: This category only includes costs classified as labor for the purposes of indirect rate application per DAI's approved NICRA.

BUDGET NOTES	
Salary and Wages	Salaries for the coming quarter will increase as more long term staff are hired and start work. We anticipate county embedded staff to start in June.
Fringe Benefits	Fringe benefits are constant ratio against expatriate labor, calculated per award conditions.
Overhead	Overhead is a constant ratio against labor, calculated per award conditions.
Travel, Transport, Per Diem	Travel expenses are projected to decrease due to less international STTA but then to increase as long-term staff increase travel to the counties.
Allowances	Allowances are constant except for education allowance which will be incurred in July 2016 and is the cause of the spike in allowances in Q4.
Other Direct Costs	The level of expenditures will increase as the project starts to ramp up technical activities and project offices are fully operational.
Procurement	Equipment and supplies will increase as the project procures vehicles and more office furniture in Q3 but will then decrease in future quarters.
Consultants	Consultants will decrease slightly as more long term staff are onboard.
Subcontracts	Subcontractor costs will increase as the subcontractors ramp up technical activities and staff hiring. Additionally, the project will start hiring local subcontractors.

Grants under contract	We will start issuing grants in Q3 and making payments in Q4.
G&A	Calculated per award conditions.
Fee	Calculated per award conditions.

NEW SUB-AWARD DETAILS

Total Amount in the approved budget for sub-awards: $2,200,000

Total Amount sub-awarded to date: $0

XV. ACTIVITY ADMINISTRATION

Personnel

TABLE 8: STATUS OF KIWASH STAFFING

	Name	Position	Start Date
	Expatriate/TCN		
1	Joe Sanders	Chief of Party	October 19, 2015
2	Tim Grayling	Water/Sanitation Advisor	October 26, 2015
	CCN		
3	Japheth Mbuvi	Deputy Chief of Party	October 12, 2015
4	Margaret Indimuli	Agriculture and Nutrition Advisor	November 9, 2015
5	Albert Nandwa	Groundskeeper/Nairobi	December 1, 2015
6	Caroline Njiinu	HR/Office Manager	December 9, 2015
7	Carolyne Muhavi	Accountant/Nairobi	December 11, 2015
8	Deborah Migithia	Accountant/Kisumu	December 14, 2015
9	Evarista Ing'aa	Accounting Manager	January 4, 2016
10	Diana Mulatya	Household Nutrition & WASH Manager/Eastern	January 4, 2016
11	Josphat Mukindia	WASH Infrastructure Specialist	January 10, 2016
12	Fred Opundo	Senior M&E Manager	January 4, 2016
13	Mike Wayamba	Procurement and Local Subcontracts Assistant	January 4, 2016
14	Jacob Ochieng	Environment & Climate Change Specialist	January 19, 2016
15	Doreen Mburungah	IT Officer/Kisumu	February 1, 2016
16	Leyla Harir	Procurement and Local Subcontracts Specialist/Nairobi	February 1, 2016
17	Cheuriyot Kipng'eno	GIS Specialist	February 8, 2016
18	Emily Mutai	Communications and Marketing Manager	February 15, 2016
19	Christine Banga	Household Nutrition & WASH Manager/Western	February 15, 2016
20	Kenneth Owoucha	WASH Governance Manager/Eastern	May 18, 2016
21	Calvince Kodera	WASH Governance Manager/Western	May 2, 2016
22	Geoffrey Sirengo	Financial and Administrative Manager	March 21, 2016
23	Samuel Mbugua	IT Officer/Nairobi	March 1, 2016
24	Lilian Aketch	Procurement and Local Subcontracts Specialist/Kisumu	May 16, 2016
25	John Kanyi	Grants Manager	April 4, 2016
26	Beatrice Kabuitu	Logistics Officer/Nairobi	February 9, 2016
27	Jacqueline Mbala	Administrative Assistant/Nairobi	February 22,2016
28	Nancy Ndirangu	Service Provider Capacity Building Manager/Eastern	April 5, 2016
29	Ronald Kubasu	Service Provider Capacity Building Manager/Eastern	April 18, 2016
30	Michael Babu	MUS/HH Production Manager	April 7, 2016
31	Eric Adams	Team Leader - BFA	January 4, 2016
32	Nic Wahome	Senior Utility Finance & Credit Risk Specialist	January 4, 2016
33	Annabel Waititu	Organizational & Gender Specialist	January 4, 2016
34	Susan Njeri	Utility Finance & Credit Risk Analyst	January 10, 2016
35	Dennis Mwaura	Community Outreach/M&E Specialist	January 10, 2016

36	Henry Kimonge	Procurement and Local Subcontracts Manager	May 16, 2016
37	Joyce Mutuku	WASH & Nutrition Specialist/Makueni	June 1, 2016
38	Josephine Kithinji	WASH & Nutrition Specialist/Kituii	June 1, 2016
39	Josephine Vudembu	WASH & Nutrition Specialist/Kakamega	June 1, 2016
40	Sylvia Odera	WASH & Nutrition Specialist/Siaya	June 1, 2016
41	Stephen Kamario	WASH & Nutrition Specialist/Nyamira	June 1, 2016
42	Daniel Omondi	WASH & Nutrition Specialist/Busia	June 1, 2016
43	Lorraine Ombogo	WASH & Nutrition Specialist/Migori	June 1, 2016
44	Charity Gathuthi	WASH Governance Specialist/Makueni	June 1, 2016
45	Lugard Ogaro	WASH Governance Specialist/Nyamira	June 1, 2016
46	Shadrack Juma	WASH Governance Specialist/Siaya	June 1, 2016
47	Noelle Obiri	WASH Governance Specialist/Busia	June 1, 2016
48	Hezbon Abong	WASH Governance Specialist/Migori	June 1, 2016
49	Euphresia Luseka	WASH Governance Specialist/Kakamega	June 1, 2016
50	Stephen Mutuku	WASH Governance Specialist/Kitui	June 1, 2016
51	Samuel Eshitemi	Service Provider Capacity Building Specialist/Nyamira	June 1, 2016
52	Elisha Oraro	Service Provider Capacity Building Specialist/Migori	June 1, 2016
53	Charles Gitahi	Service Provider Capacity Building Specialist/Busia	June 1, 2016
54	Stephen Osingo	Service Provider Capacity Building Specialist/Kakamega	June 1, 2016
55	Samson Wachara	Service Provider Capacity Building Specialist/Siaya	June 1, 2016
56	Alois Muthini	Service Provider Capacity Building Specialist/Makueni	June 1, 2016
57	Saidi Ngutu	Service Provider Capacity Building Specialist/Kitui	June 1, 2016
58	Evans Motari	MUS HH Production Specialist/ Nyamira	June 1, 2016
59	Joseph Mwaura	MUS HH Production Specialist/Migori	June 1, 2016
60	Elija Mboko	MUS HH Production Specialist/Busia	June 1, 2016

Contract Modifications and Amendments

Not applicable.

XVI. INFORMATION FOR ANNUAL REPORTS ONLY

Not applicable.

XVII. GPS INFORMATION

KIWASH office coordinates:

Nairobi:

South: -1.233994

East: 36.806741

Kisumu:

South: -0.108054

East: 34.752850

ANNEX I: SCHEDULE OF FUTURE EVENTS

DATE	LOCATION	ACTIVITY
TBD	TBD	TBD

ANNEX II: LIST OF DELIVERABLE PRODUCTS

No.	Title	Date Submitted	Status
1	Contract Performance Monitoring Plan	October 28, 2015	Approved
2	Branding Implementation and Marking Plan	October 28, 2015	Approved
3	Annual Work Plan	November 28, 2015	Approved
4	Performance Monitoring Plan	November 28, 2015	Pending USAID approval
5	Process for Engagement	November 28, 2015	Approved
6	Coordination Plan	November 28, 2015	Approved
7	Environmental Mitigation and Monitoring Plan	November 28, 2015	Pending USAID approval
8	Construction Plan	November 28, 2015	Approved
9	Procurement Plan	November 28, 2015	Approved
10	Grants Project Plan	November 28, 2015	Approved
11	Monitoring and Evaluation Plan	December 28, 2015	Pending USAID approval
12	Gender Equality and Women's Empowerment Plan	December 28, 2015	Approved