

**NORTH KIGEZI & KINKIIZI DIOCESES  
WATER AND SANITATION PROGRAMME  
(NKKD WATSAN)**



**1<sup>st</sup> Quarterly Report  
January - March, 2019**

**Written by:**

**NKKD WATSAN Team**

## **SECTION A: BASIC INFORMATION**

The Programme title	North Kigezi & Kinkiizi Dioceses Water and Sanitation Programme (NKKD WATSAN)
The Programme mission	The improvement of health, alleviation of poverty and promotion of social and economic development in Rukungiri and Kanungu Districts of Southwest Uganda through integrated, comprehensive and sustainable initiatives focused on the improvement of water supplies, sanitation facilities, and safe hygiene practices.
The supporting partner(s) Programme Reference number (if applicable)	Tearfund UK Global Partners for Development Sheila Houghton and Hafen Cafe WATSAN UK - Support Group
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The name and role of the person approving the application for the implementing partner. This person must be duly authorized.	The Rt. Revd. Benon Magezi – Bishop of North Kigezi Diocese, P. O. Box 23, Rukungiri – Southwestern Uganda, UGANDA. <a href="mailto:northkigezianglicandiocese@gmail.com">northkigezianglicandiocese@gmail.com</a>
The start date of the Programme and period covered by the Report	1 <sup>st</sup> Quarterly report: January – March, 2019
The date of submission of the Report	12 <sup>th</sup> April, 2019

## **About NKKD WATSAN and Our Vision**

As part of the Church of Uganda's mission to share God's love in practical ways, the Anglican Dioceses of North Kigezi and Kinkiizi in Southwest Uganda manage an integrated Programme for facilitating access to safe water supplies and improved sanitation in a participatory way while encouraging healthy hygiene practices through education and training. The NKKD WATSAN Programme is intended to help poor people in the rural areas of Rukungiri and Kanungu Districts and across the two Dioceses, irrespective of background, creed, or allegiance.

**The Programme mottos:** Water is life; Sanitation is dignity; life and dignity for all our people, clean water for all within reach of all.

### **Values:**

NKKD WATSAN believes that accessible safe water, improved sanitation and hygiene education should be available to all, and seeks to embody the Christian values of compassion, fairness, integrity and trustworthiness. We seek to work in partnership for the common good, and to lead by the example of Christ.

**Mission** (Why we exist): NKKD WATSAN works in partnership with other stakeholders in the improvement of health, alleviation of poverty, and promotion of social and economic development in the Rukungiri and Kanungu districts of South West Uganda, through integrated, comprehensive and sustainable initiatives, focused on the improvement of water supplies, sanitation facilities and safe hygiene practices.

**Vision** (Our inspiration): NKKD WATSAN strives to transform the poorest communities through the accessible provision of safe water, improved sanitation and hygiene education, setting the highest standards in transparency, sustainability and working in partnership.

NKKD WATSAN Programme, originally founded in 1986 in partnership with Water Aid, and independent since 2000, has worked with partners in Local Government and other NGOs to help many thousands of people gain access to improved domestic water sources through the construction of 12 piped gravity flow water schemes, protection of over 3000 springs, and installation of many rainwater harvesting systems.

All NKKD WATSAN projects are comprehensive in nature, incorporating sanitation improvement Programmes (including VIP and Ecosan Latrines) and hygiene education as well as capacity-building initiatives to encourage sustainability.

Our Vision is for all people of our service area to live healthy and productive lives and have sustainable access to adequate safe water supplies and improved sanitation.

NKKD WATSAN is composed of an experienced and dedicated team of both hardware (design and construction work) and software (hygiene/sanitation education and capacity-building) teams. The NKKD WATSAN Programme is directed by The Rev. Baingana Eric Mugyenzi and assisted by a Water Engineer working on a part-time basis, a Health, Hygiene and Sanitation Coordinator, a Financial Officer, a Public Health Promoter, a Project Secretary, a Driver (who also assists with sanitation promotion), and a part-time Social Worker that assists with software.

A team of masons/artisans/Fundis work on contract terms during times of construction, which is undertaken in collaboration with local rural communities and water sector officials of the District Local Governments in the Districts of Rukungiri and Kanungu. WATSAN's work supplements the efforts of the government in service delivery coordinated under a Memoranda of Understanding (MoU) between the two Dioceses of North Kigezi and Kinkiizi, the two Districts and NKKD WATSAN that was signed in 2010.

NKKD WATSAN is supported by a combination of funding from grants, individual contributions, partnerships, and a dedicated support organization in the United Kingdom, the WATSAN Uganda UK Support Group. Our current partners include Tearfund, Global Partners for Development (US), and The Anglican Diocese of Armidale (Australia). Local District Governments are expected to contribute a minimum of 5% of WATSAN project costs in kind under the terms of the MoU.

## **SECTION B: SITUATION REPORT – OVERVIEW**

During this 1<sup>st</sup> quarter period: January – March, 2019 NKKD WATSAN finished the implementation of Bwambara Hill Project through commissioning and official handover to the direct beneficiaries.

In addition a number of finished WATSAN Projects were followed and their respective conditions improved through repairs, and new constructions also carried out. Such Projects included:

Repair of Kanyanga shallow well,

Visiting Kahama GFS, Karerema GFS, Kiringa GFS, and

Repair of Bwambara ordinary spring and Buhunga reservoir tank.

A second 30m<sup>3</sup> Ferro-cement Rain water harvesting tank was constructed at the Bishop's residential house Nyakatara hill, Diocese of Kinkiizi.

There was a Management Committee meeting for NKKD WATSAN that took place on 26<sup>th</sup> February, 2019 which emphasized the strategies for raising funds for WATSAN Projects locally to argument donor funding.

The last but not least, Walk for water for Kihiki Hill Project proposal took place on 15<sup>th</sup> March, 2019 and yielded immense results as you will see as you will read this report.

As one of the outstanding challenges faced during this period was the breakdown of the Project vehicle that needs substantial funds to repair it.

Otherwise, I want to thank you all for your continued financial support.

## **SECTION C: PROGRAMME ACTIVITIES**

### **C.1. Bwambara Hill Project**

During this year's quarter one: January – March, 2019, activities carried out on Bwambara Hill were mainly preparatory activities that led to the commissioning and official handover of this Project that took place on 26<sup>th</sup> February, 2019. These activities involved Mobilization for the community meetings, Community meetings, Homes and School visits in the community and general assessment on hygiene and sanitation improvements in the community.

Mobilization of the community for meetings was carried out through announcements in churches, use of local leaders, water management committees.

One of the community meetings was held at Rugyera spring on 5<sup>th</sup> February, 2019 at 10.00 a.m., and was chaired by the Local council one chairperson Rev Canon Patrick Nsiga. It was attended by 109 community members as per the attendance sheet whereby more females than males attended.

As part of this meeting, fencing of the water source of Bwambara ordinary spring under repair was carried out.

In this meeting the community was informed of the hygiene and sanitation improvements that were required to be seen at their homes and institutions. Too, since they were beneficiaries of the ordinary spring under construction, the members in the meeting were asked to participate in the repair of this spring especially carrying and bringing local materials to the site.

Visits to homes and institutions in the Bwambara Hill Project area were done to assess hygiene and sanitation improvements in preparation for the Project commissioning which had been scheduled 26<sup>th</sup> February, 2019. 196 homes were visited and each of them had a latrine with 34 homesteads having latrines that had sanitation platforms. Other findings of the households visit in the community were as follows: 98 hand washing facilities; 23 new pit latrines; 67 improved pit latrines; 62 homes had clean drinking water containers; 16 Compost pits with 3 chambers in use; 46 new dish drying racks; clean water fetching utensils, and clean swept compounds.

What remained a challenge was construction of animal houses because many people were reporting theft of domestic animals the moment they kept them in separate and distant shelters away from the living houses.

Bath shelters were constructed only that many still used them as urinals.

The institutions visited in Bwambara Hill community showed tremendous improvements in the usage and maintenance of hygiene and sanitation facilities. Such facilities included: hand washing facilities, compost pits, clean water containers, to mention but a few.

In summary, the noted improvements are shown as below:

- a) 2784 people actively participated in hygiene and sanitation campaigns evenly distributed according to cells and all institutions.
- b) 38 people were trained in management of water hygiene and sanitation in the community.
- c) 8 demonstration homes were established for the community to copy and replicate in their homes.
- d) 21 new pit latrines were constructed in the community.
- e) 54 pit latrines improved with privacy, san plats, hand washing facility (tippy tap), cleansing materials containers, covers, smoking and addition of ash.
- f) 22 hand washing facilities.
- g) 22 rubbish pits.
- h) 8 community sensitization meetings.
- i) 35 dish drying racks.
- j) 13 urinals.
- k) 27 bath shelters.

### **Commissioning of Bwambara Hill Project, 26/02/2019.**

Participants for Bwambara Hill Project commissioning first converged at Bwambara SSS at 10.00 a.m. These included a team from North Kigezi Diocese led by Rt Rev Benon Magezi, Bishop of North Kigezi Diocese who was also the chief guest of the day; a team from the Diocese of Kinkiizi led by Rt Rev. Dan Zoreka, Bishop Diocese of Kinkiizi; Rukungiri district administration led by the District Water Officer; Bwambara Sub county Administration officials; Bwambara Archdeaconry Christians; Bwambara schools, and Bwambara town residents, to mention but a few. Then, the Archdeacon Bwambara Archdeaconry welcomed guests to this commissioning function and requested Bishop Dan to lead in an opening prayer.

Before touring the Project, the participants for this commissioning were briefed about this Project by the NKKD WATSAN Co coordinator:

He said that it is UK Support group that majorly funded this Project. In addition there was local funding most of which was raised during Walk for Water for this Project that was carried out on 23<sup>rd</sup> May, 2018.

He further explained that the Implementation process of Bwambara Hill Project started June, 2018 and a number of Water, Sanitation and Hygiene (WASH) structures as put in the Project proposal were constructed at 4 Project beneficiary institutions/communities as shown below:

#### **1. Bwambara Parish Church**

- (a) One (1) 30m<sup>3</sup> ferro-cement Rain water harvesting tank.
- (b) One (1) lined 5 stance Pit (VIP) latrine with a urinal.

#### **2. Bwambara Primary school**

- (a) Two (2) 30m<sup>3</sup> ferro-cement Rainwater harvesting tanks.

- (b) One (1) 5 stance lined Pit (VIP) latrine with a urinal for boys
- (c) One (1) 2 stance lined Pit (VIP) latrine with a urinal for staff

### **3. Bwambara Senior secondary school**

- (a) One (1) 6 stance lined pit latrine for girls
- (b) One (1) 2 stance line Pit (VIP) latrine with a urinal for staff

However, one (1) bathing shelter with 4 compartments for girls at Bwambara SSS also in the Proposal could not be constructed due to shortage of funds as a result of the beneficiaries' failure to meet their obligation of contributing a total of UGX 10,427,750

### **4. Bwambara town**

One (1) low yield spring.

Also, associated Hygiene and Sanitation campaigns at households and in the institutions of Bwambara Hill Project were carried out effectively.

In appreciation he said that in addition to the above WASH structures mentioned, the Ministry of Water and Environment donated 4 plastic tanks each 10,000 litres and were allocated to the Archdeacon's residence, Bwambara Primary school staff house, Bwambara Secondary school staff house, and the fourth tank, to Pa-Pee Primary school.

Among others, he appreciated the following for their immense contribution towards the construction of this Project as shown below:

1. NKKD WATSAN Management committee – for initiating the idea and steering the Walk for Water fundraising strategy for this Project, and coming to participate in official handover of this project.
2. UK Support group - for funding this Project (UGX 123,942,423)
3. Engineer Christopher Tumusiime Timurekura who through the Ministry of Water and Environment donated 4 plastic tanks towards this project.
4. Archdeacon and Christians of Bwambara Archdeaconry parish – for helping in the mobilization of other beneficiaries to be involved to the Project implementation.
5. WATSAN Staff for their tireless hard work in carrying out project implementation activities.

After this description of the Project, amidst songs and joy and cheers, different Project beneficiaries led the commissioning team in their respective communities/institutions to tour the WASH structures that had been constructed in the following order: Bwambara SSS, Bwambara town community to see the newly constructed low yield spring and repaired ordinary spring, Bwambara Primary school, Bwambara Archdeaconry centre

### **At Bwambara Senior Secondary School**



**Welcome to the guests for Bwambara Hill Project commissioning at Bwambara SSS**



**A 5 stance boys Pit latrine with a urinal.**



**2 stance Lined pit Latrines with a changing room for girls**

**Bwambara springs below Bwambara town**



**Newly constructed Bwambara Low yield spring**



**Repaired Bwambara ordinary spring**

**At Bwambara Primary school**



Welcome of the guests at the school. Demonstration of use water filters received from North Kigezi Diocese after having water in school.



2 stance latrine with a urinal for staff



Fetching point of a tapstand for a 30m<sup>3</sup> Rain water harvesting tank in the school



15 stance latrine with a changing room for girls

### At Bwambara church compound



5 stance pit latrine with a urinal for Christians

At the end of the tour of the Project, the participants gathered in the church and a few comments came from different stakeholders including the following:

1. Chairperson Operation and Maintenance Committee. He thanked NKKD for accepting to work in Bwambara following their application, and promised to ensure sustainability of the constructed structures.

2. Rukungiri District Water Officer. He thanked NKKD WATSAN for working cooperatively with the District in ensuring access to clean and safe water to the people hence reducing the disease burden in the community, District and the Country at large.
3. Bishop Dan Zoreka. He thanked NKKD WATSAN for the good sanitation work done that aims at the promotion of safety and health of the girl child and the disabled children. He said that such was realized through the provision of a changing room and a ramp at pit latrines constructed at institutions respectively.
4. Bishop Benon Magezi. He thanked UK Support group for project financing and NKKD WATSAN programme for continuing to foster good relationships between the two Dioceses of North Kigezi and Kinkiizi. He also thanked the Ministry of Water and Environment for their contribution of 4 plastic tanks towards the Project. He urged people of Bwambara to work towards the sustainability of this project.

### **C.2. Walk for Water for Kihihi Hill Project Proposal Function, 15/3/2019**

The Walk for water fundraising strategy for Kihihi Rain Water harvesting and Sanitation Improvement Proposal (Kihihi Hill Project) function took place on 15<sup>th</sup> March, 2019.

The main objective for this WATSAN event was to raise funds locally as a supplement to possible Donor funding for the implementation of Kihihi Hill Project proposal.

Hundreds of people participated in this Walk for Water activity and included Kanungu district leadership, Diocese of Kinkiizi Clergy and Christians, Political leaders, schools, civil servants, NGOs, and Kihihi business community. This function was graced by Hon. James Ruugi Kaberuka (MP Kinkiizi West) who was the Chief Walker/guest of the day, Rt Rev. Dan Zoreka – Host/Bishop of Diocese of Kinkiizi, and Rt Rev. Benon Magezi – Bishop North Kigezi Diocese, to mention but a few.

Regarding Walk for Water route, the Walk for Water activity was flagged off by the Chief Walker (Guest of Honor), Hon. James Ruugi Kaberuka MP for Kinkiizi West at approximately 10:30 a.m. The total distance walked was approx. 3 (three) kilometers through Kihihi town. Walking started from St. Andrews C.O.U Church grounds, through Kasese road via, Stanbic bank, through Baragain Street and connected to Rutwe stage.

#### **Pictures of participants of Walk for water for Kihihi Hill Project**





**Kihihi High School presenting a welcome and Water song**

Later on, the Walkers turned at meeting point stage through the market street via Kihihi High School and finally returned to St. Andrews C.O.U church grounds. All the above participants took part in the Walk for water activity.

After re-converging to St Andrews Kihihi church compound welcome songs and a few speeches from the Guest of Honour, Bishops, Kanungu district leaders were given.



**WATSAN staff present their communication through the Coordinator**



**The Chief Guest, Hon. James Kaberuka giving his speech**

As a way of raising money to support the whole Project, some items were auctioned which included among others; 2 (two) cows, 4 (four) goats, more than 10 hens, fruits which included water melons, pineapples, sugar canes, cabbages etc. Also the portrait (photo frame) for the Bishop of the Diocese of Kinkiizi was among the auctioning items which fetched more money than any other items on sale. Also T-shirts, paper caps were as a means of raising funds.

By the end of the day, approximately UGX 27,515,200 million out of which UGX 25,600,700 cash, was realized.

**The following observations were made:**

- 1) Quite a good number of people participated approx. 1500 people in the fundraising activity with all categories of people in attendance at all levels.
- 2) The church leadership of St. Andrews C.O.U did enough mobilization of the Christians and other people for the day. This could be seen through their turn up on the final day.
- 3) The top Diocesan Administration involvement in the whole process was keen to note. Communication to all stakeholders at various levels was perfect and information dissemination was made easily.
- 4) Unity and a harmonious working relationship between the Diocese of Kinkiizi and North Kigezi was observed. Having the two Bishops of the two Dioceses participating in the Walk for water activity was a great honor.
- 5) Government and political leaders as well as other denomination leaders like Moslems participated. This symbolized total support and unity.

Special thanks go to all the people who supported the Walk for water for Kihihi Hill Project especially:

- 1) The NKKD WATSAN Management committee members who proposed the strategy under the chairmanship of Can. Sabiti Mahirane.
- 2) The two Bishops that is Rt. Rev. Dan Zoreka – Diocese of Kinkiizi and Rt Rev. Benon Magezi – North Kigezi Diocese for allowing the programme to be implemented in both Dioceses together with their administration structures.

- 3) The Coordinator/Director NKKD WATSSAN Programme and all the technical team for the coordination.
- 4) The Kanungu District leadership team – Assistant RDC, District Chairperson, technical team, Councilors, Civil servants, Political leaders etc.
- 5) The Chief Walker (Guest of Honor) – Hon. James Ruugi Kaberuka for honoring the invitation for the day's function.
- 6) The Archdeacon Kihihi Archdeaconry and Chairman steering committee – Rev. Justus Tibesigwa together with his working team for the greet mobilization and engagement in the whole process.
- 7) The Archdeacons, Clergy, Lay Readers, Canons, All Christians for their enormous support.
- 8) People from all other denominations – Catholics, Moslems, Pentecostals etc who joined in the Walk for water activity and participated in the fundraising activity.
- 9) Kihihi High School Community did a great work in the implementation of this activity together with other schools which took part in the Walk for water activity.
- 10) All other un-sieved people of God who supported the implementation of this activity. May God bless you all.
- 11) Finally the Kihihi town business community. May God bless you all.



As a recommendation, according to the analysis made by the participants of the Walk for water for Kihihi Project, Walk for water activity as a strategy for raising funds locally for WATSAN Projects should be a continuous activity, year after year.

### **C.3. Sustainability Activities**

Programme sustainability activities carried out during this quarter include the following:

#### **C.3.1. Rehabilitation of Kanyanga shallow well.**

##### **Background:**

Kanyanga shallow well was constructed and completed in June, 2002. According to information from the user community, the shallow well worked for only about 2 years before it broke down. The community wrote to the sub county for technical advice and support but nothing was done. As a result, the shallow well was abandoned and they resorted back to dirty water holes, until recently when due to acute lack of clean water, the community continued to seek for assistance from the district and other organizations but in vain. Finally the community of Kanyanga approached NKKD WATSAN with a formal application requesting for technical support to repair the shallow well.



**A water hole at which the community fetched water before the repair of their**

##### **The following activities were done:**

###### **1. Preliminary assessment of the shallow well:**

A team of technical staff from NKKD WATSAN visited the shallow well and carried out assessment to establish what was required to repair it back to working condition including the costs. Budget estimates were made for both hardware and software activities.

###### **2. Community mobilization:**

Community mobilization meetings were held to involve the beneficiary community in repair of the shallow well and later on O&M. Other software activities like home visitations for sanitation improvement were carried out. The number of potential beneficiaries on the shallow well is 564 inclusive of Kanyanga Primary school, Kanyanga C.O.U and Kanyanga Trading centre. The population at Kanyanga Primary school is 295 and the rest of the community is 295.

### 3. Repair works on the shallow well

- (i) The site was cleared of the bushes and heaped soil around the shallow well.
- (ii) The existing plaster on the shallow well and apron was hacked off and a new layer of plaster was added.
- (iii) A new drainage channel was constructed.
- (iv) The existing rusted G.I riser pipe and rods were removed and replaced with UPVC plastic pipes and stainless steel rods which are rust free. Other parts like the cylinder, water tank and pedestrian handle were also replaced with new ones in accordance with the government recommended U.3 modified borehole pumping system.



**Kanyanga shallow well during early stages of repair**

After the above mentioned repair works, the shallow well was put back to working condition with adequate water flow. Upon completion of this shallow well the community was very happy and excited to receive clean water once again.

This shallow well was commissioned on the 19<sup>th</sup> of March and the function was graced by

the Bishop of North Kigezi Diocese Right. Rev. Bishop Magezi and several dignitaries including the district L.CV Chairperson, District Water Officer, Environmental Officer, Operation Wealth Creation Regional Coordinator among others.



**Kanyanga shallow well during late stages of repair**



**Bishop Magezi commissioning Kanyanga**



**A child demonstrates to the District water officer how to pump water at the shallow well**

All the present dignitaries emphasized the importance of proper operation and maintenance of the shallow well for its sustainability.

**The following was done as a way forward**

1. An O&M committee was formed and trained to ensure proper maintenance of the shallow well.
2. A wooden guard was installed to regulate the pedestrian handle while pumping to avoid possible damages on the riser pipes and cylinder.
3. Regular follow up by NKKD WATSAN (Sustainability section) and other stakeholders like local government departments is to be carried out to support the beneficiaries in O&M of the shallow well.



**Alozious demonstrating the use of a tippy tap during one of the community mobilization**

**C.3.2. Kahama GFS.**

This scheme was visited and its functionality accessed. It was found that it is largely functioning well because all taps were capable of receiving water despite



some of them not being able to close or having minor leakages.

**A reservoir and sedimentation tanks whose fences have fallen**

Also the source and tank were not being cleaned and the fences have since fallen hence putting the scheme at a risk of collapse. This was attributed to a nonfunctional operation and maintenance committee. In consultation with some of the community opinion leaders we agreed to select a new O&M to take on the maintenance of the scheme and emphasize the payment of user fees.

A community meeting was held and a new committee formed and we are optimistic that this will help the scheme to continue functioning normally.

### **C.3.3. Karerema GFS**

Karerema gravity flow scheme was visited in the previous quarter and a new Operation and Maintenance (O&M) committee selected and trained. However it was found that a branch going to Rweibumba was broken after floods swept away the stream crossing. Therefore a resolution was made to work with the community so that it would be repaired and cost estimates have since been made and it is to be repaired soon. However, on a separate visit we discovered that the stream crossing at the source which we had repaired like three years ago was already leaking at the joint after a strong flood tried to sweep it away once again only to be protected by the chain link reinforcement which was installed during the last repairs. It is therefore advisable to re-fix the damaged part as well as increase the length of the chain link because there has been massive erosion along the pipe line.

### **C.3.4. Kiringa GFS**

This scheme has for some time faced a problem of lack of water at most tapstands. At first the WATSAN team suspected some illegal water connections but when we toured the scheme no such connections were found. Then the water in the eyes at source were checked and found out that most of them water yield had reduced significantly. Possibly there would be a need of constructing a reservoir tank of say 10,000cm<sup>3</sup> as was originally supposed. This did not happen due to the failure of the beneficiary community to provide land for its construction since we were told that sometimes there is an overflow especially during the off peak hours of the night. This might be the only long lasting solution that gives all stakeholders the assurance of long term O&M.

### **C.3.5. Bwambara Ordinary Spring**

Bwambara Ordinary spring was repaired during this quarter as it had been earlier recommended by Andrew Maclean during his visit of Bwambara Hill project in



**Community members participating in the spring repair**

**A community meeting for Bwambara ordinary spring**

2018. Its yield had reduced and there was no fence around the spring. In preparation for this repair, the community was mobilized through several meetings at which the beneficiaries were urged to actively participate in the repair of the spring. As result, when the time came for the spring re-construction the community worked tirelessly to provide local materials and manual labour. The water was redirected into the delivery pipe which increased the volume significantly and the spring re-fenced. An operation and maintenance committee was selected and trained. This spring will help to reduce the congestion on the newly constructed low yield spring that was also constructed by NKKD WATSAN under the Bwambara hill water project.

Repair of Bwambara ordinary spring undertook the following procedures:

1. Site survey. This was carried out to establish the detailed characteristics of the source, such as type, estimated flow rate and seasonal validation the water quality, number of users potation soil conditions around the source.
2. Spring capping. This involves developing the spring flow and protecting the eyes from the surface pollution. The spring eyes were protected cleaned all blockages from soil and other deposited matter, backfilled with graded gravel/aggregate, a layer of paddle clay 4” and heavy duty polythene paper sheet was placed on the gravel to protect the eyes from surface water. Live fence and grass was planted to prevent it from animals.

3. Spring re-plastering. This includes:

- ❖ Plastering the walls in one layer of 25mm (1:2) sand-cement plaster.
- ❖ Plastering the steps in one layer of 25mm (1:2) sand-cement plaster.
- ❖ Backfilling with ordinary soils clearing and shaping the area.

After the spring repair, re- fencing of the catchment area was carried out. This intended to stop animals from grazing in the catchment area which would cause compaction of this ground and interfere with the flow rate of the spring.

### **C.3.6. BUHUNGA GFS RESERVOIR TANK REPAIR**

A team of WATSAN Staff visited Buhunga GFS to establish possibility of repairing a 30m<sup>3</sup> reservoir tank at Katurika SSS. The team comprised of the following members of staff:

- |                     |                       |
|---------------------|-----------------------|
| - Byamukama Vincent | - Magezi Dickens      |
| - Marius Katunguka  | - Bagarukaho Alozious |

The team carried out the following observations:

- The tank leaks from its bottom especially when it gets full
- Cracks that developed from inside at the Centre concrete column through the floor where it could escape and the water was seen through the valve chambers outside the tank.



Recommendations:

After looking at the tank, we came out with some recommendations and the following was done:

- Casting of plain concrete (standard mix ratio 1:2:4) in accordance to fill the gap around the concrete column.
- Plastering floor in two layers of 25mm (1:2) water proof cement plaster.



- Cast plain concrete cement (standard mix) to fill the gaps in the valve chamber.

After this successful repair, the reservoir tank is now operating well without any more leaks.

### C.3.7. Nyakatara Hill Project

The implementation process of Nyakatara Hill Project started last year October, 2018 under Sustainability programme.

The proposal for Nyakatara Hill Project considered construction of the following structures: two (2) 30m<sup>3</sup> ferro-cement Rainwater harvesting tanks at Nyakatara Hill and re-construction of 2 low yield springs, one at Nyakatara Hill (**Nyakatara low yield spring**) and another, in Kambuga sub county (**Katungu – Ruhandagazi low yield spring**). While the construction of the two springs and one Rain Water Harvesting tank at Nyakatara staff quarters was finished last year, 2018 the construction of the remaining tank at the Bishop's residence was carried out during this quarter: January – March, 2019.

#### Construction of the 2<sup>nd</sup> 30m<sup>3</sup> tank at the Bishop's residence - Nyakatara

The construction process of the 2<sup>nd</sup> 30m<sup>3</sup> Ferro-cement Rain water harvesting tank at the Diocesan Bishop's residence at Nyakatara followed the following procedures:

- Site clearance
- Excavation and level to firm ground in bolder soils up to 0.5 meters and deposited the excavated soils from the site
- Hardcore soiling thickness of 0.2 meters, compacted and blinded
- Base construction
- Plumbing works (pipes and fittings assemble) that included the overflow, outlet and wash out pipes.
- Placing of reinforced concrete cement in ratio of 1:2:3 for the floor thickness 210mm.
- Providing and placing of high yield twisted iron bars 10mm and two rolls of BRC mesh for the walls.



*The newly constructed Rain Water Tank at the Bishop's residence Nyakatara*

- Placing of mortar masonry works in (1:3) for walls.
- Plastering inside and outside the tank in two layers of 25mm in a ratio (1:3) and cement plaster final thickness of 100mm.
- Cement punning with pure cement inside the tank up to the height of 2 metres from the floor.
- Placing reinforced motor sand cement in a ratio (1:3) for the roof.
- Placing of man whole cover including cocking arrangements.
- Rough casting outside the tank.
- Backfilling with ordinary soils, cleaning and shaping the area.



*Single faucet tapstand constructed 10m away on a low ground level of the Bishop's compound from the tank to serve as a fetching point*

- When tank construction was completed, the guttering process took place and roofs of two staff buildings were fixed with gutters to help in increasing water catchment supply into the tank.
- Also, a tap stand was constructed 10 meters away from the tank, to serve as a fetching point. Then, water connection between the tank and the tapstand was carried out.



**Fixing of gutters at the Bishop's residential house to help in catching rainwater for the newly constructed tank**

## **SECTION D: OTHER RELATED ACTIVITIES CARRIED OUT DURING THIS QUARTER**

### **D.1. NKKD WATSAN Management Committee meeting, 26/2/2019**

The venue for this meeting was JADE Hotel, Bikurungu Town Council, Bwambara Sub County, Rukungiri district.

This meeting took place same day with that of the commissioning function/official handover for Bwambara Hill Project, that is after the above function. It started with comments from the members on the commissioning of Bwambara Hill Project. Member after member made comments on the finished Bwambara Hill project, some of which are as outlined below:

1. Bwambara Hill Project beneficiaries are lucky to have enough, clean and safe water and this will tremendously reduce congestion at Bwambara spring (the only existing spring before project implementation).
2. We appreciate UK Support group for funding this Project to relieve the Bwambara People of unclean water and the resultant diseases.
3. The provision of sanitation facilities at Project area institutions, the improvement of sanitation facilities at households and health improvements in the project area have caused people to live in a healthy environment.
4. Walk for water as a fundraising strategy for WATSAN Projects is yielding results! It should therefore be continued year after year. This is to mention, but a few.

At this meeting, the WATSAN Annual report 2017/2018 from WATSAN Uganda UK Support was presented to the members. The chairs introduction in particular was quite inspiring to the members and everyone felt motivated to give some contribution towards the work of WATSAN in form of ideas, physical contribution, participation in WATSAN events, etc.

The meeting put a major focus on the forthcoming Walk for Water for Kihihi 15/3/2019. Preparations for this function were discussed and members were informed that the area member of Parliament Hon. James Ruugi Kaberuka would be the Chief Guest at this function. Members of this committee including Bishop Magezi of North Kigezi pledged to participate that day.





**NKKD WATSAN Management committee in session at JADE Hotel**

*Herewith attached is the corresponding financial report for this quarter: January – March, 2019*

**Members of the MC committee pose for the photo after the meeting**