### 資料-6 参考資料

### 資料6-1 ナロック市庁から発行された土地譲渡認証書

|  |                   | P.O. Box 154,<br>NAROK   |
|--|-------------------|--|
| Our Ref: No  |                   | TOWN COUNCIL Date: 2 04 201  |
|  | ox w              | ater & Sewarage Comp.  |
| 10.  | mosc              |  |
|  | ~02°              |  |
|  | عرت               | 133 MARCOK   |
| Dear Sir/Madam                                     |                   |  |
| RE: ALLOCATIO                                      | ON OF A PLOT      |  |
| 1. I have the plea                                 | asure to inform   | you that you have been allocated plot No. Zone   |
| as per your Pl                                     | ot application of |  |
| Market/Tradin                                      | a Centre/Town     | Stadium mand Location/Ward.  |
|  | ~                 | wn Planning Committee/Plot allocation Committee Minutes No. 036  |
| of 213   | Feb-              | 2012s adopted by Full Council Minutes No. The phc 003 102  |
|  |                   | Thirty Days from the date of offer to pay the following to the Council to signify<br>iich the offer shall be nullified.  |
| (i) Application                                    | n Fees            | Kshs   |
| (ii) Land acq                                      | uisition Fees     | Kshs   |
| (iii) Survey Fe                                    | ees               | Kshs   |
| (iv) Showing                                       | Fees              | Kshs   |
| (v) Administr                                      | ation Fees        | Kshs   |
| (vi) Other Fee                                     | es                | Kshs   |
| Total  |                   | KSHS   |
| 4 The Land and                                     | Duilding shall    | only be used for the surgest described in the Application Force for the solet  |
| and any chang                                      | ge of user mus    | only be used for the purpose described in the Application Form for the plot,<br>t be approved by council to avoid prosecution. You will naturally also be<br>and payments of an annual plot rent as may from time to time be in force. |
|  |                   | to develop the Plot within the period of Twenty four (24) months, it will be Council and become available for re-allocation.   |
|  | hortly be show    | n to you.  |
| <ol><li>This Plot will s</li></ol>                 | ed to read the s  | special conditions attached to this offer and abide yourself to the aforemention   |
|  |                   |  |
| 7. You are advise conditions.                      | tter of offer mu  | st be signed by the Town Clerk himself/herself to be binding.  |
| 7. You are advise conditions.  8. Further, this le | tter of offer mu  | st be signed by the Town Clerk himself/herself to be binding.  |
| 7. You are advise conditions.  8. Further, this le | tter of offer mu  | st be signed by the Town Clerk himself/herself to be binding.  |
| 7. You are advise conditions.                      | tter of offer mu  | st be signed by the Town Clerk himself/herself to be binding.  |

#### SPECIAL CONDITIONS:

- No building shall be erected on the land nor shall additions or external alterations be made to any buildings
  otherwise than in confirmity with plans and specifications previously approved in witting by Local Authority
  (Council). The Local Authority shall not give approval unless it is satisfied that the proposals are as such to develop
  the land adequately and satisfactorily.
- 2. The lesee shall maintain good substantial repair and condition all the buildings at any time erected on the land.
- The building shall not cover more than \_\_\_\_\_\_ per centum of the area of the land or lesser area as may be laid down by the Local Authority in its by-laws.
- The land shall not be used for the purpose of any trade, business, which the Local Authority considers to be dangerous or offensive.
- The lessee shall not sub-divide the land without prior consent in writing of the Town Council, the Director of physical planning and the commissioner of Lands.
- The lessee shall not sell, transfer, sublet, charge or part with the possession of the land or any part thereof or any building thereon except with prior consent in writing of the Town Council. No application for such consent (except in respect of the loan required for building purposes) will be considered untill special conditions No.2 has been performed.
- You will also pay all other fees and rates applicable to the council in confirmity with the Building code, as adopted by the Council.

## MINUTES OF SPECIAL FINANCE STAFF AND GENERAL PURPOSES COMMITTEE HELD ON 15<sup>TH</sup> DECEMBER, 2011 AT TOWN HALL AT 11.00 A.M:

#### PRESENT.

| 1.  | Cllr. Dennis Naisho      | - | Finance Chairman. |
|-----|--------------------------|---|-------------------|
| 2.  | Cllr. Isaack Partoip     | - | Ex - Officio      |
| 3.  | Cllr. Sakamo Ololosikany | - | Ex – Officio      |
| 4.  | Cllr. Doyopai Kudate     | - | Member            |
| 5.  | Cllr. Kosiom Kuyioni     | - | Member            |
| 6.  | Cllr. Patiye Naikumi     | - | Member            |
| 7.  | Cllr. Mary Mwanik        | - | Invited           |
| 8.  | Cllr. Kuyioni Kosen      | - | Invited           |
| 9.  | Cllr. James Lepet        | - | Invited           |
| 10. | Cllr. James Dikirr       | - | Invited           |
| 11. | Cllr. Kerimpuoti Sadera  | - | Invited           |
| 12. | Cilr. Kelemet Ololarus   | - | Public Officer    |
|     |                          |   |                   |

#### IN ATTENDANCE:

| 1. | Godfrey N. Kwena | - | Town Clerk                 |
|----|------------------|---|----------------------------|
| 2. | Joshua Karanja   | - | Town Treasurer             |
| 3. | Sosten Cheruiyot |   | Administrative Officer     |
| 4. | Osidai Suuji     | - | Asst. Surveyor             |
| 5. | Julius Kireu     |   | Ag. Administrative Officer |
| 6. | Joshua Koisikirr | - | Taking Minutes             |
| 7. | Jonathan Kipees  | - | Enforcement Officer.       |

#### MIN: NO. FS & GPC/001/12/2011: PRAYERS:

The meeting was opened by a word of prayer said by Cllr. Kosiom Kuyioni.

### MIN: NO. FS&GPC/002/12/2011: APOLOGIES:

Cllr. Pauline Kinyarkuoo
 Cllr. Nepatao Kimorgo

## MIN: NO. FS&GPC/003/12/2011: INTRODUCTION AND COUNCIL SIGNATORIES OF THE BANK:

The Finance Chairman asked the Town Clerk new member of staff and those transferred.

Town Council Treasurer Mr. Joshua Karanja is the new Narok Town Council Treasurer who is in salary Scale 4.

scale 9.

The Town Clerk informed members that resolution is needed to authorize the new Town Treasurer and Senior Accountant to be the bank signatories of the Council which all members agreed and resolved that:-

- Before the Town Treasurer takes office all statements of accounts be checked and confirmed.
- It was also resolved that the Town Treasurer and the Senior Accountant and the Town Clerk be the bank signatories of the Council. i.e.
- 1. Mr. Joshua Karanja to replace Mr. Charles Sechere who has been transferred.
- 2. Mr. Phillip Nchoko to replace Mr. Koinet Lemein who has been transferred.

Proposed by Cllr. Mary Mwanik Seconded by Cllr. Kosiom Kuyioni.

## MIN: NO. FS&GPC/004/12/2012: REQUEST FOR 10 ACRES OF LAND BY THE NAROK WATER AND SEWERAGE SERVICES COMPANY LTD.:

The Town Clerk Informed members a letter was sent to the Council on the above request.

After a lengthy deliberation, the members resolved to give the 10 acres of land to the Sewerage and water company. The said piece of land is between Enkare Narok rivers and Farmers Training Centre (FTC) therefore a resolution was passed authorizing the Town Clerk to write a letter to the water company to inform them that it has been resolved.

Proposed by Cllr. Patiye Naikumi Seconded by Cllr. Doyopai Kudate.

## MIN: NO. FC&GPC/005/12/2011: TRANSFER OF EXHAUSTER SERVICES TO THE SEWERAGE AND WATER COMPANY LTD:

The Council Chairman suggested to members that the exhauster services and the oxidation pond and four permanent employees be transferred over to the sewerage and water company Ltd as stated by the law. He further informed members that it is only this Council that is still holding the exhauster services.

Members resolved to hand over the exhauster lorry and four permanent employees to the water company together with the dumping site and ensure NEMA regulation are followed.

Proposed by Cllr. Mary Mwanik Seconded by Cllr. Kosiom Kuyioni.

## MIN: NO. FC&GPC/006/12/2011: CANCELLATION OF THE CONSTRUCTION OF WATER WORKS IN ILMASHARIANI WARDS:

The Town Clerk informed members that the Contract has taken too long than is expected. He further informed members that the contract is still binding and that it needs a resolution to stop the contract. The members resolved to stop Mr. Tonui's contract and hand it over to the water and sewerage company ltd.

Proposed by Cllr. Doyopai Kudate Seconded by Cllr. Mary Mwanik.

## MIN: NO. FC&GPC/007/12/2011: REQUEST FOR SUPPORT BY OLOLTOTO YOUTH:

Cllr. Kerimpuoti Sadera informed members that he has a foot ball team which he requested the Council to help him facilitate the team with balls and uniforms.

Members agreed that the matter will be looked upon later when the Council is financially stable; since staff has 4 (four) months salaries in arrears.

After a confirmation was made that the KIMSCA vote was already exhausted.

#### MIN: NO. FC&GPC/008/12/2011: TREE PLANTING:

The Finance Chairman requested members that the office should provide 5,000 seedlings annually. But after going through the budget for the FY 2011/2012 tree planting vote was not provided.

#### MIN: NO. FC&GPC/009/12/2011: AGREEMENT WITH LOS RANCHOS:

The Presbyterian Church of Los Ranchos has already done the following:-

- Dug a bore hole at Olopito
- Built a children orphanage (Home)
- Willing to provide medicine to Nkareta West ward dispensary

The Council chairman informed members that a new agreement has been made after the breakage of ties between Los Ranchos and Limuru Church. The Council Chairman read through the agreement which they promised to do the following:

- Provide for the children orphanage
- ❖ Medical care for
  - Nkareta West Ward
  - Nkairamiram Ward
  - Naisuya Ward
- Irrigation at Rotian to provide food for the children home
- ❖ Micro- Finances
- Scholarships
- Twinning Cities.

It was agreed that the Town Council Children Home committee to meet on 19<sup>th</sup> December, 2011 Monday to meet with the Narok P.C.E.A. church committee to chart way forward.

It was resolved that the Town Clerk and the Council Chairman to go forth and sign the agreement with the Los Ranchos Presbyterian Church.

Proposed by Cllr. Doyopai Kudate Seconded by Cllr. Kosiom Kuyioni.

#### MIN: NO. FC&GPC/010/12/2011: STAFF SALARIES:

The Finance Chairman informed members that a way forward must be found to pay staff their salaries as he was informed that they have not received their dues close to 5 (five) months salary arrears.

Members agreed that the Town Treasurer to check Council Accounts and pay staff before going for Christmas.

It was agreed that in the previous meeting that Kshs. 50,000/= from ward projects votes be used to pay loan deductions for the Councillors.

Proposed by Cllr Patiye Naikumi.

Seconded by Cllr Kosiom Kuyioni

There being no other business, the meeting was closed by a word of prayer said by Cllr. Kosiom Kuyioni.

CHAIRMAN DATE.

TOWN CLERK How SIGN DATE.

#### 資料6-3 WRMA から発行された水利権認証書

#### Contacts:

Headquarters: NHIF Building 9<sup>th</sup> Floor, Wing B P.O Box 45250 - 00100 NAIROBI, Kenya. Email: wrma@wrma.or.ke

Regional Office: Rift Valley Catchment Area P.O Box 1600 - NAKURU rvca@wananchi.com

> Sub Regional Offices:

Lower Turkwel Sub Region P.O Box 73-30500 LODWAR Tel.:054-21429

Upper Turkwel Sub Region P.O Box 49-30600 KAPENGURIA Tel: 054-62234

Lakes Baringo-Bogoria Sub Region P.O Box 3130400 KABARNET Tel: 053-22022

Naivasha-Nakuru Sub Region P.O Box 66-20117 NAIVASHA Tel: 050- 2020935

South Rift Valley Sub Region P.O Box 1029 - 20500 NAROK Tel: 050 - 222691 Email: narokwrma@yahoo.com

#### Vision:

To be a prudent manager of water catchment areas guaranteeing access to adequate and quality water for all.

#### Mission:

To manage, regulate and conserve water resources judiciously, involving stakeholders for enhanced, equitable allocation and environmental sustainability.

Mandate:

To be the lead agency in water resources management in Kenya



## WATER RESOURCES MANAGEMENT AUTHORITY

Rift Valley Catchment Area South Rift Valley Sub-Region P.O. Box 1029 - 20500, NAROK Tel: (050) 22691

Ref. No: WRMA/20/NAR/2KA/1/S

Date: 9th May, 2012

The Managing Director, Narok Water and Sewerage Services Co., P. O. Box 935 - 20500, NAROK.

Dear Sir/Madam,

WATER PERMIT NO. WRMA/20/NAR/2KA/1/S FOR ABSTRACTION OF WATER FROM ENKARE NAROK RIVER AT NAROK TOWN, NAROK NORTH DISTRICT

I am pleased to inform you that, you have been issued with a Water Permit Ref. No. WRMA/20/NAR/2KA/1/S dated 4th May, 2012 to enable you abstract from Enkare Narok river 5000 m<sup>3</sup>/day for public use. In this connection, your attention is drawn to all the conditions which are indicated on the water permit under reference.

Please take the necessary action accordingly.

Yours faithfully,

J.N. Munyao

Assistant Technical Coordination Manager.

Copy to:

Deputy Technical Coordination Manager, Rift Valley Catchment Area, P.O. Box 1600, NAKURU.

Encl.

..... accounting for every drop! Report Corruption/Water Resources Destruction anywhere! Hotline: 050



Form: WRMA 010

Catchment: Rift Valley WRMA ID: WRMA\20\00515

File: WRMA/20/NAR/2KA/1/S

### Water Resources Management Authority

### WATER PERMIT

(Rule 38)

By virtue of the authority vested in us by the Water Act 2002, we, the Water Resources Management Authority, do hereby

grant unto (name) NAROK WATER AND SEWERRAGE, hereinafter called the permit holder, or his/her/their executors,
SERVICES Co.
Administrators and assigns permission to use water in accordance with them details contained herein, subject to the provisions of the Water Act 2002, and the Rules thereunder, and the conditions following hereafter and endorsed hereon and attached hereto:

| Permit No   | . Р           | WRMA/20/NAR/2F          | (A/1/S                                      | Pern   | nit Expiry Dat  | e 04-May-   | 2017                  |                   |
|---|---------------|-------------------------|---|--|-----------------|-------------|-----------------------|-------------------|
| Type Of<br>Water  | Surface water |                         |   |  | Ground Water    |             | Effluent<br>discharge | Swamp<br>Drainage |
| use   | Diversio      | Abstraction             | In-stream<br>Works                          | Storage                                      | Shallow<br>Well | BoreHole    |                       |                   |
| Tick Box  |               | X                       |   |  |                 |             |                       |                   |
| PARTICU   | LARS O        | PERMIT HOLI             | DER   | DETAI  | LS              |             |                       | 191               |
| THE RESERVED  |               | nt(s) (In Block letters |   |  | NAROK W         | ATER AND SE | WERRAGE SERVICE       | ES Co.            |
|   | of Applicar   | t - Individual, Group   |   |  | Company         |             |                       |                   |
| ID Number of Applicant (Individual) or Certificate of Incorporation or Registration for Groups or Companies |               |                         | ion   | C122876                                      |                 |             |                       |                   |
| 5. PIN Number (where available)   |               |                         |   | P0513657605                                  |                 |             |                       |                   |
| Physical A  | ddress whe    | re water is to be us    | ed  |  |                 |             |                       |                   |
| 6. L/R Number(s) PUBLIC   |               |                         | 7. Box 1                                    | 7. Box Number 935                            |                 |             |                       |                   |
| 8. Village(s)/Ward(s) NAROK TOWN  |               |                         | 9. Tow                                      | 9. Town NAROK                                |                 |             |                       |                   |
| 10. Sub-location(s) NAROK TOWN  |               | 11. Pos                 | 11. Post Code 20500                         |  |                 |             |                       |                   |
| 12. Locatio   |               |                         | 13. Tel                                     | 13. Telephone Contact (Landline) 02024407745 |                 | -           |                       |                   |
| 14. Division(s) CENTRAL   |               | 15. Tel                 | 15. Telephone Contact (Mobile) 0720 269 815 |  |                 |             |                       |                   |
| 16. District(s) NAROK NORTH   |               | 17. Em                  | 17. Email Contact narokwater@yahoo.com      |  |                 | o.com       |                       |                   |

#### WATER RESOURCE DETAILS

| 17. Name of Body of Water or Aquifer where water is to be diverted, abstracted or stored   | ENKARE NAROK RIVER |
|--|--------------------|
| <ol> <li>Name of body of water of Adult: White Hater<br/>Hater Conservation 18. Is the point of abstraction or storage in a Protected Area or a Groundwater Conservation<br/>Area? (yes/no)</li> </ol> | NO                 |
| 19. Sub-catchment Number   | 2KA                |
| 20. Class of Water Resource  |                    |
| 21. Name of Body of Water or Aquifer where effluent is to be discharged  |                    |
| 22. Sub-catchment Number (Effluent)  |                    |
| 23. Class of Water Resource (Effluent)   |                    |
| 24. Category of Application (Class of Permit)  | D                  |



Form: WRMA 010

Catchment: Rift Valley
WRMA ID: WRMA\20\00515

| SUPPLEMENT TO PERMITS  |                          |
|--|--------------------------|
| 25. Does permit include Supplements approved under Section 21 of WRMA Rules (yes/no) | NO                       |
| 26. List Reference Number for each Supplement  | Place that a year sores. |

| Brief Description of Project and<br>ntended Use for Water | PUBLIC WATER SUPPLY |                             |                            |      |
|---|---------------------|-----------------------------|----------------------------|------|
| Type of Water Use   | Groundwater         | Surf                        | face Water (m3/day)        |      |
|   | (m3/day)            | River - Normal<br>Condition | River - Flood<br>Condition | Lake |
| . Public  |                     | 5000                        |                            |      |
| 2. Domestic   | The state of        | Tax mis                     | NAC LOGGE                  |      |
| 3. Livestock  |                     |                             |                            |      |
| 4. Subsistence Irrigation                                 |                     |                             |                            |      |
| 5. Commercial Irrigation                                  |                     |                             | and techniques             |      |
| 6. Industry/Commercial                                    |                     |                             |                            |      |
| 7. Hydropower   |                     |                             |                            |      |
| 8. Others   |                     |                             | ANTA                       |      |
| 9. Sub-total  |                     | 5000.00                     | March 186                  |      |
| 10. Quantity Returned                                     |                     |                             | do los de                  | er-  |
| 11. Water Abstracted (row 9-row 11)                       |                     | 5000.00                     |                            |      |
| 12. Effluent Discharge                                    |                     |                             | 1 1 1 1 1 1 2 1            |      |



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WRMA ID: WRMA\20\00515

| CONDITIONS OF PERMIT                       | DETAILS  |
|--|--|
| Availability of Resource                   | When the resource availability drop into the Reserve, the permit holder is only entitled to Basic Human Needs  |
| Water Quality Report                       | WATER AND EFFLUENT QUALITY ANALYSIS REPORTS SHALL BE SUBMITTED TO WRMA<br>ON A QUARTERLY BASIS OR AT LEAST TWICE A YEAR  |
| Payment of Water Use Charges               | THE PERMIT HOLDER OR HIS AGENT SHALL PAY FOR WATER USE AS PER THE WRM RULES  |
| Inspections                                |  |
| 1  | THE PERMIT HOLDER SHALL ALLOW ENTRY BY WATER INSPECTORS WHEN THEY DEMAND TO INSPECT THE ABSTRACTION AND EFFLUENT DISCHARGE WORKS AS NEED ARISES  |
| 2  | THE CONTROL / MEASURING DEVICE SHALL BE INSPECTED REGULARLY TO ENSURE IT IS PROPERLY FUNCTIONING   |
| 3  | ACTUAL ABSTRACTION VOLUME SHALL BE CHECKED REGULARLY TO ENSURE COMPLIANCE TO PERMIT CONDITIONS   |
| 4  |  |
| Other Technical Details                    |  |
| a)   | THE PERMIT HOLDER SHALL INSTALL A MEASURING AND CONTROLLING DEVICE AT THE INTAKE, AND MAINTAIN A RECORD OF ALL WATER ABSTRACTED, DIVERTED, STORED OR DISCHARGED. GIVING THE DATE, TIME, QUALITY AND QUANTITY AND METHODS OF SUCH ABSTRACTIONS, DIVERSIONS, STORAGE, OR DISCHARGE AND THI PURPOSE OR PURPOSE  |
| b)   | THE PERMIT HOLDER SHALL GIVE THE DATE, TIME, QUALITY AND QUANTITY AND METHODS OF SUCH ABSTRACTIONS, DIVERSIONS, STORAGE, OR DISCHARGE AND THE PURPOSE OR PURPOSES FOR WHICH SUCH WATER WAS USED  |
| c)   | THE PERMIT HOLDER IS WARNED THAT UNDER SECTION 35(1) OF THE WATER ACT (ACTS 2002) THE AUTHORITY MAY VARY THE PERMIT SO AS TO ALTER THE DISCHARGE OR QUANTITY OF WATER OR ANY OTHER ASPECT OF WATER USE AUTHORISED BY THE PERMIT, OR ALTER THE METHOD OR POINT OF DIVERSION OR OTHER SPECIFICATIONS, TERMS OR |
| d)   | THIS PERMIT SHALL BE AUTOMATICALLY CANCELLED WHEN THE AUTHORISED PERIOD EXPIRES WITHOUT ANY FURTHER REFERENCE TO YOU UNLESS RENEWAL IS APPLIED FOR PRIOR TO DATE OF EXPIRY OF THE PERMIT.  |
| Effluent Discharge Requirements            |  |
| 1)   | THE PERMIT HOLDER SHALL IMPLEMENT THE EFFLUENT DISCHARGE CONTROL PLAN  |
| II)  |  |
| III)                                       |  |
| IV)  |  |
| Meter ID Numbers Related to this<br>Permit |  |
| 1  | THE MASTER METER DETAILS MUST BE SUBMITTED TO SUB REGIONAL MANAGER   |
| 2  | ANY CHANGE/ ALTERATION OF THE MASTER METER MUST BE APPROVED BY WRMA  |
| 3  |  |
| 4  |  |



Form: WRMA 010

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WRMA ID: WRMA\20\00515

| Grid Reference for Works (UTM ,based on ARC1960 Datum,<br>Zone 36/37) |          |
|---|----------|
| Easting   | 35.84967 |
| Northing  | 1.05672  |
| Altitude (m above sea level)  | 1876     |
| Map Sheet   | 146/2    |
| Weir (1) or Collection Chamber (2)                                    |          |
| Dimensions  |          |
| Width/diameter (m)  | 3        |
| Length (m)  | 0        |
| Height (m)  | 1.5      |
| Materials Materials   | CONCRETE |
| Compensation Flow Capacity (m3/day)                                   | 31484.6  |
| Pump  |          |
| Type of Pump  |          |
| Type of driving machine   |          |
| Power source of driving machine (diesel, electric, wind, water)       | Electric |
| Maximum Power rating (KVa)  | 0        |
| Expected operating head (m)   | 0        |
| Delivery Rate at expected operating head (m3/hr)                      | 375      |
| Expected operating hours (hrs)  | 8        |



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| Canal  |  |
|--|--|
| Length (m)   | 0  |
| Top width (m)  | 0  |
| Bottom width (m)   | 0  |
| Lined or unlined   | none   |
| ining material   | the following services and   |
| Gradient (m/100m or %)   | 0  |
| Maximum velocity (m/s)   | 0  |
| Maximum Capacity (m3/day)  | 0  |
| Pipeline   |  |
| Internal diameter of delivery pipe (mm)                            | 0  |
| Maximum Capacity (m3/day)  | 3000   |
| GROUNDWATER  | United States  |
| Grid Reference for Works (UTM ,based on ARC1960 Datum, Zone 36/37) | The second second  |
| Easting  |  |
| Northing   |  |
| Altitude (m above sea level)                                       |  |
| Map Sheet  |  |
| W.R.M.A. number of well/ borehole                                  |  |
| Total depth of well/ borehole                                      | The state of the s |
| Depth to which the cylinder or suction pipe may be installed       |  |
| STORAGE DAM  |  |
| Name of dam  |  |
| Class of Dam (A, B or C)   |  |
| Grid Reference for Works (UTM ,based on ARC1960 Datum, Zone 36/37) |  |
| Easting  |  |
| Northing   |  |
| Altitude (m above sea level)                                       |  |
| Map Sheet  |  |
|  |  |
| Width (m)  |  |
| Length (m)   |  |
| Height (m)   |  |



Form: WRMA 010

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| Embankment  | Half   |
|---|--|
| Material (earth, concrete, masonry, others)   |  |
| Width at Crest (m)  |  |
| Length at Crest (m)   |  |
| Upstream slope (1 to)   |  |
| Downstream slope (1 to)   | 12-21-12-22-22-22-22-22-22-22-22-22-22-2   |
| Maximum Depth of Water (Measured from bed to normal water level) (m)  |  |
| Maximum Height of Embankment (m)  |  |
| Gross Freeboard (m)   |  |
| Net Freeboard (m)   |  |
| Impoundment   |  |
| Estimated Impounded Volume (m3)   | The Particular and the   |
| Other Details   |  |
| Maximum Drawoff Capacity (m3/day)   | The second second  |
| Maximum Compensation Flow capacity (m3/day)   |  |
| SWAMP DRAINAGE  |  |
|   |  |
| Name of swamp   | The state of the s |
| Size of swamp to be drained (ha)  |  |
| Purpose of swamp drainage (agricultural, residential, recreational, public health, industrial, abstraction) | Building and the second  |
| Expected reduction in water level in swamp (m)  |  |
| Means of swamp drainage (tick as appropriate)   |  |
| Channelling or canalisation of flows  |  |
| Diversion of inflow   |  |
| Expected % of inflow waters to be diverted  | Make to small  |
| a the standard canals or drainage nines   | TALL SUBSELLE  |



Form: WRMA 010 Catchment: Rift Valley WRMA ID: WRMA\20\00515

File: WRMA/20/NAR/2KA/1/S

#### EFFLUENT DISCHARGE

| Grid Reference for Works (UTM ,based on ARC1960 Datum, Zone 36/37)           |                      |
|--|----------------------|
| Easting  |                      |
| Northing   |                      |
| Altitude (m above sea level)   |                      |
| Map Sheet  |                      |
| Source of water supply   |                      |
| Source of Effluent (domestic, institutions, industrial, agricultural, urban) |                      |
| Mode of discharge (pipe, canal)  | Table No. No. Inchis |
| Maximum Daily Effluent discharge (m3/day)                                    |                      |
| Nature of Pollutants (Chemical, biological, physical)                        |                      |
| Details of Treatment System  |                      |
| Chemical   |                      |
| Settling   |                      |
| Anaerobic digesters  |                      |
| Oxidation or aerated ponds   |                      |
| Natural or constructed Wetland   |                      |
| Other (specify)  |                      |
| Retention time (days)  |                      |

| EFFLUENT QUALITY Parameter | Units        | Guideline<br>Value | Parameter  | Units | Guideline<br>Value |
|----------------------------|--------------|--------------------|--|-------|--------------------|
| BOD (5 days at 20C         | mg/l         |                    | Total Phosphorous                                  | mg/l  |                    |
| COD                        | mg/l         |                    | Total Nitrogen                                     | mg/l  |                    |
| Total Dissolved Solids     | mg/l         |                    | Total suspended solids                             | mg/l  |                    |
| pH                         | pH Scale     |                    | Metals   | mg/l  | The second         |
| Temperature                | oC           |                    | Non Metal toxics<br>(sulphides,cyanides,fluorides) | mg/l  |                    |
| Total Coliforms            | Counts/100ml |                    | Pesticide residues                                 | Ug/l  |                    |
| Turbidity or colour        | NTU/Hazen    |                    | Phenols  | mg/l  |                    |
| Ammonia -NH3               | mg/l         |                    | Oils and grease                                    | mg/l  |                    |
| Ammonium-NH4               | mg/l         |                    | Others   |       |                    |
| Nitrite - NO2              | mg/l         |                    |  |       |                    |
| Nitrate-NO3                | mg/l         |                    |  |       |                    |



Form: WRMA 010 Catchment: Rift Valley WRMA ID: WRMA\20\00515

File: WRMA/20/NAR/2KA/1/S

SIGNATURE

Yours faithfully,

| Signature of WRMA Officer | Ming                                |  |  |
|---------------------------|-------------------------------------|--|--|
| Name of Officer           | JOHN NGILA MUNTAU                   |  |  |
| Position of Officer       | ATCH - SOUTH RIFT VALLEY SUB-REGION |  |  |
| Date of Signature         | 09/05/2012.                         |  |  |

### 資料6-4 建設残土処分に係る許可書

Telephone: (050) 22081

Fax: (050) 22081

Email:narok.towncouncil@yahoo.com



16<sup>th</sup> April, 2012

OUR REF: TCN/PH/VOL.II/135/196/2012.

YOUR REF:

# RE: DISPOSAL SITE FOR SURPLUS EXCAVATION SOILS DURING PIPE LAYING

This is to confirm to the JICA – Japan International Cooperation Agency; Grant Aide project team based at Narok Water Supply and Sewerage Company (NARWASSCO) who are at the preparatory stages of the project for the augmentation of the water supply system in Narok Town that the Narok Town Council has agreed to the disposal of surplus excavation soils during pipe laying in the Quarry Disposal site which is 5 acres or to the adjacent holding ground (250 acres) and no fee will be charged.

Paul Katiku,

**Public Health Officer** 

Narok Town Council

THE PROJECT FOR AUGMENTATION OF WATER SUPPLY SYSTEM IN NAROL TOWN IN THE REPUBLIC OF KENYA.

## MEMORANDUM

for dumping surplus topsoil for the water pipe.
Installation.

The Project can dump the top roil (surplus) in the furny Dispusal site (sacres)

And to the adjacent Hording Ground (250 acres)
No fee is Charged. Dwned by the Town Council.

29th March 2012

Paul Karku

Public Hearth Officer

Narrow Town Connail

Edgar Mbaranie Senior Headman (Waster Management) Name.

#### **Attendant List**

### Stakeholder Meeting for Preparatory Survey on the Project for Augmentation of Water Supply System in Narok Town in the Republic of Kenya

Date: April 13, 2012

Place: Seasons Hotel's Conference Room, Narok Town

| No.  | D 4                | 1 00011                  | Email/Mobile Phone  | Q1 11     |
|------|--------------------|--------------------------|---------------------|-----------|
| INO. | Participant's Name | Affiliation              | Number              | Signature |
| 1    | ~                  | Chairman                 | 1254-(0)720 712051  | cours. A  |
|      | FRANCIS NKAKO      | HAROK Water & Se.        | MolenKake @ grucil. | friap-16  |
| 2    | Stephen ording     | musamba Estate           | DM222906933         | -         |
| 3    | Ezeriel Sampao     | Engineer NARWAGO         | 6726527695          | STE       |
| 4    | ALI JUMA           | LENANA                   | 0722665576          | Jjohi     |
| 5    | DORIS RAMWARD      | LONDON ESTATE            | 0728106807          | Doris     |
| 6    | DAVIS TARKASH      | NARWASS'CO               | 0720 294 440        | The same  |
| 7    | Harry K. Chermyot  | RVWSB                    | 0722824368          | Of me     |
| 8    | SELEILA MWANIK,    | NARWASSCO BOARD          | 0722301654          | My and f  |
| 9 -  | ISHAC N. KIMANI    | OLDODDNG, CONL.          | 07181126362         | PP        |
| 10   | Kelena de volor    | Enkere N. Rusch          | 0713425103          | 400       |
| 11   | Endeon Musery      | Mayengo                  | 0723709770          | Bus -     |
| 12   | Welliam Supers     | CHAMMAN                  | 0722-82922          | P         |
| 13   | Brian Ondiallah.   | 301 degrees youth group. | 0726828074          | Was 1.    |
| 14   | Sosten CHERUP      | - NAROK T. COUNCIL       | 0721731727          | -85       |
| 15   | Shem Olhera        | no Agriculture           | 0726116378          | \$16      |
| 16   | CHARLES BIRAT      | KAO THamanight           | 0727567611          | Birais    |
| 17   | PATRICK NYAKUNO    | 0                        | 0726600265          | 1 Talen   |
| 18   | JAMIN K. RUTTO     | LIVESTOCK PRODUCTION     |                     | Det.      |
| 19   |                    |                          |                     |           |

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### Stakeholder Meeting for Preparatory Survey on the Project for Augmentation of Water Supply System in Narok Town in the Republic of Kenya

Date: April 13, 2012

Place: Seasons Hotel's Conference Room, Narok Town

| No. | Participant's Name                    | Affiliation                           | Email/Mobile Phone<br>Number | Signature  |
|-----|---------------------------------------|---------------------------------------|------------------------------|------------|
| 20  | KARURU NAZU                           | OLGOPONCI                             | 0720215792                   | 82         |
| 21  | Wilson Pere                           | Nance weller a.                       | 7188840045                   | the.       |
| 22  | MWAITA K. MWAGODI                     | DIST PHY PLANNING OFFICER             | 0722230036                   | Htem-7 a.  |
| 23  | J. A. BIDIAVAI                        | NARWASSCO                             | 0721720403                   | Hiavai     |
| 24  | Mary Soipens                          | Narwassco                             | 0723899240                   | REA        |
| 25  | DEVID K-MURACUE                       | water & mi godine                     | 674861613                    | Dingi      |
| 26  | JOSEPHINIO, LARMS                     | KAOT HUMAN<br>RIGHTE NAKEK            | 0720-431775                  | 45         |
| 27  | Jesse K. Murang                       |                                       | 0723 900 788                 | Almuel (6) |
| 28  | C.M. KI Creth                         | By MABQUANA                           | 7                            | - 9 8      |
| 29  | M.K. Ohang                            | PUBLIC HEALTH DEA                     | -,                           | Bumpon     |
| 30  | ANNE SOAKEI                           | TICA Study Team                       | 0722405039                   |            |
| 31  | Anne Gatem                            | Fort Consulant.                       | 6725616621                   | San        |
| 32  | Yoshihiro KIRISHIMA                   | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 18/-3-5919-7453              | The s      |
| 33  | Atsushi TOTAMA                        | JICA Study Team                       | 07/5239799                   | 外山岩        |
| 34  | Ken i TAKAYANAG                       | JICA Study Team                       | +81-3-5919-7453              | 京柳建之       |
| 35  | · · · · · · · · · · · · · · · · · · · |                                       |                              |            |
| 36  |                                       |                                       |                              |            |
| 37  |                                       | a a                                   |                              |            |