

BOREHOLE/WELL PERMITTING

Dr. MARK KING



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BOREHOLE AND WELL PERMITTING

- This issue will NOT be the trainers responsibility. It is presented for general interest, because of its importance to Clients
- Most countries where the Village Drill will be used have some form of Permit for drilling and/or water well installation
- Village Drill boreholes may or may not be applicable for these Permits, due to their relatively shallow depth, in comparison with large, power-driven drill rigs
- Worthwhile to be aware of some example Permit details (for Kenya)

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Borehole permitting in Kenya

PROCESS OF ACQUIRING A WATER PERMIT



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BOREHOLE PERMITTING IN KENYA

- **PERMIT CATEGORIES**

- The water resources management rules provides for four different categories into which water use permits shall be classified:

- **Category A**

- Water use activity deemed by virtue of its scale to have low risk of impacting the water resource.
- Applications in this category will be determined by WRMA Regional Offices

- **Category B**

- Water use activity deemed by virtue of its scale to have potential to make a significant impact on the water resource.
- Permit applications in this category will be determined by WRMA Regional Offices.

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• PERMIT CATEGORIES

• Category C

- Water use activity deemed by virtue of its scale to have a measurable impact on the water resource.
- Permit applications in this category will be determined by WRMA Regional Offices after consideration by the Catchment Area Advisory Committees (CAACs).

• Category D

- Water use activity which involves either international waters, two different catchment areas, or is of a large scale or complexity and which is deemed by virtue of its scale to have a measurable impact on the water resource.
- Permit applications in this category will be determined by WRMA Regional Offices after consideration by Catchment Area Advisory Committees (CAACs) and approval by WRMA Headquarters.

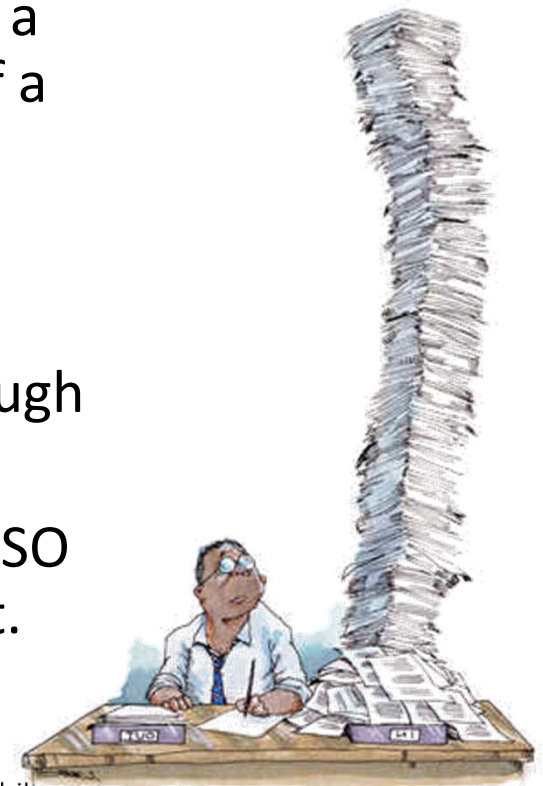
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BOREHOLE PERMITTING IN KENYA

- **THE PROCESS OF ACQUIRING A WATER PERMIT**

- The Permitting Process begins when an application for a water permit is received and ends with the issuance of a water use permit.
- This permit is renewable every 5 years.
- The permitting process is done manually through the various application steps, as well as electronically through the Permit Database.
- The following are the permitting processes as per the ISO Procedure for Water Use Permitting and the Water Act.



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- **STEP 1: RECEIPT OF AN APPLICATION FOR WATER USE PERMIT**

- An application is received together with the attachments and verified as per the Application Check List.
- Attachments include Hydrological/Hydrogeological Assessment reports.
- If requirements are met, assessment fees paid as per category of the application.
- Applicant to be notified if requirements are not met.



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- **STEP 3: PUBLIC NOTIFICATION OF THE APPLICATION AS PER WATER RESOURCES MANAGEMENT RULE 29**
- Application is subjected to public notification; site verification undertaken by WRMA.
- **STEP 4: TECHNICAL EVALUATION OF THE APPLICATIONS**
- Application is evaluated by the Technical Evaluation Committees (TECs) at the 6 regional offices.



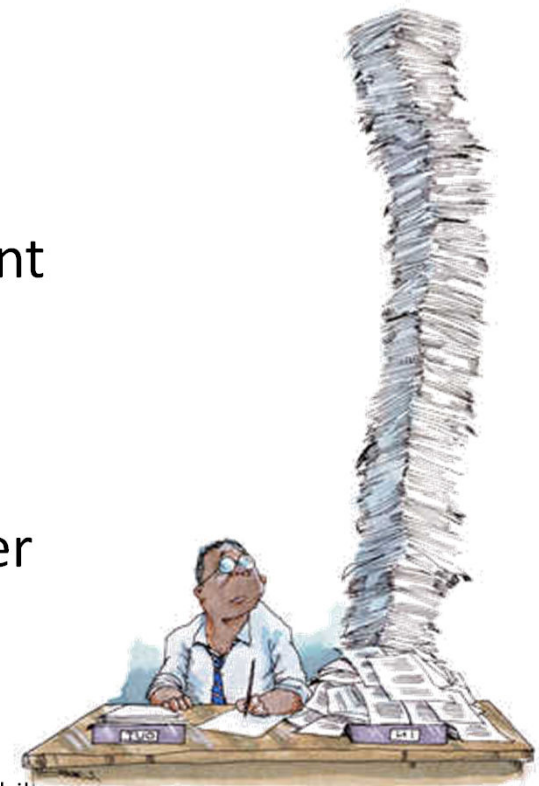
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• **STEP 5: ISSUANCE OF AUTHORIZATIONS TO CONSTRUCT WORKS**

- Category A Approvals issued
- Category B Authorizations issued
- Categories C and D applications evaluated by Catchment Area Advisory Committees (CAACs).
- If approved, Category C Authorizations issued at the regional offices while category D forwarded to WRMA headquarters for further evaluation by the Headquarter TEC.
- If approved Category D Authorization issued.



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- **STEP 6: CONSTRUCTION OF AUTHORIZED WORKS**
- If Works are constructed as authorized, then proceed to Step 7
- If not constructed apply for extension of Time Limit to Authorizations
- **STEP 7: SUBMISSION OF REQUIREMENTS FOR ISSUANCE OF WATER USE PERMITS**
- Completion Certificate
- Borehole Completion Record (applicable to Ground Water applications only), Water quality analysis report, collection of Water abstraction



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- **STEP 8: FINAL INSPECTION OF CONSTRUCTED WORKS**

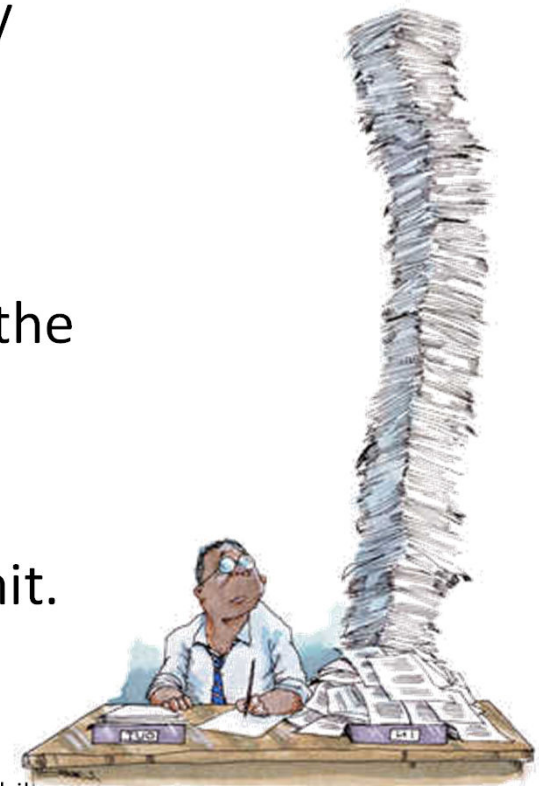
- WRMA technical officers carry out inspections to verify construction as per the authorized conditions.

- **STEP 9: PERMIT ISSUANCE**

- Water use permits issued for categories B, C and D applications or varied as per the recommendations of the inspecting officer and subsequent payments.

- **STEP 10: PERMIT ISSUANCE**

- Collection of permit renewal fees per category of permit.
- Inspection of existing works.



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BOREHOLE PERMITTING IN KENYA

- **For more information, contact:**
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- Email: wrma@wrma.or.ke
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