

	<p style="text-align: center;">Government of Southern Sudan</p> <p style="text-align: center;">Ministry of Water Resources & Irrigation</p>	
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DRINKING WATER QUALITY MONITORING REPORT FORM

Location

Water Point Location	Longitude:
Village	Latitude:
Payam	Sampled by: (Name of person/Organization)
County	Date of sampling/time
State	Date of analysis

LOCATION DESCRIPTION (rural, urban, dense settlement, agricultural areas, mining area etc.)

Facility

Type of monitoring (Tick one): <i>*See Footnote 1</i>	Initial monitoring for a new water point	Routine monitoring for existing water point
Water point type (tick as applicable)	√	√
Connection tap		Protected spring
Yard tap		Unprotected spring
Public standpipe		Rainwater collection
Borehole/Hand-pump		Water tanker/truck
Protected dug well		Surface water (river, dam, lake, pond, stream, canal, irrigation channel etc)
Unprotected dug well		Others (Specify)

Footnote 1:

1. Complete information and all water tests required for initial monitoring of new water sources
2. § = Testing is compulsory for routine monitoring of existing water sources
3. ¥ = Testing is recommended for routine monitoring of existing water sources

AESTHETIC QUALITY/PHYSICAL PARAMETERS, temperature		S. Sudan Max Permissible Limit (mg/L)
Taste		Acceptable
Odour		Acceptable
Colour		≤15
Appearance		Clear
§ Turbidity (NTUs)		≤5.0
§ pH		6.5 - 8.5
¥ TDS (mg/l)		≤1000
§ Electrical Conductivity (mS/m)		≤1500
CHEMICAL PARAMETERS (mg/l)		S. Sudan Max Permissible Limit (mg/L)
¥ Arsenic		≤0.05
Cadmium ¹		0.003-0.005
Calcium		80-150
¥ Chloride		200
§ Chlorine (Residual) – For treated water only		0.2-0.6
Copper ¹		1.5
¥ Fluoride		1
¥ Iron (Total)		0.5
Manganese		0.4
¥ Nitrate (NO ³)		30
Nitrite (NO ²)		0.5
Potassium		25-50
Sodium		100
Sulphate		200
Total Hardness as CaCO ³		200
Zinc		3
MICROBIOLOGICAL PARAMETERS		
¥ Total Coliforms (counts/100ml)		<50
§ Faecal coliforms (counts/100ml)		<10
Heterotrophic Plate Count (counts/ml)		<10 000
Guinea worm larvae ²		0
Vibrio cholerae ³		0

Footnote 2:

¹ To be tested at point of use where the pH is lower than 6

² To be tested in endemic areas only

³ To be tested during outbreaks/epidemics only

RECOMMENDATION ON FITNESS OF USE:

Signed (Laboratory Technician) _____

Date _____

Signed (Laboratory Manager) _____

Date _____

Water storage in the facility _____

Date of Last update _____