




Bangladesh Power Development Board

**INTEGRATED MANAGEMENT SYSTEM
(BASED ON ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018
STANDARDS)**

DRINKING WATER HYGIENE PROCEDURE

	INTEGRATED MANAGEMENT SYSTEM	Document No.: BPDB-IMS-PR-078
	DRINKING WATER HYGIENE PROCEDURE	Revision No.: 00 Effective Date: 01-11-2021 Page No: Page 2 of 3

1. Purpose

This procedure provides a guideline for monitoring of drinking water hygiene.

2. Scope

This procedure applies to all the staffs of BPDB.

3. Terms and Definition

None

Abbreviations

WB - World Bank

DoE - Department of Environment

HSE - Health Safety and Environment

4. Roles and Responsibility

- MR

If any corrective/preventive action occurs, then copies of all monitoring reports are to be maintained and records should be available for future reference. This is the responsibility of MR.

5. Procedures

a. PROCEDURE FOR MONITORING

Drinking water hygiene needs frequent monitoring to ensure that water quality is in acceptable limits. Given below are the water quality requirements as per DoE and World Bank Guidelines

Parameter	WB Guideline	DOE Guideline
pH	6.5 – 8.5	6.5 – 8.5
Nitrate, ppm	10	10
Total Coli form (TC) #/100 ml	0	0
Turbidity (NTU)	10	5
Arsenic, ppb	50	50
Fecal Coli form (FC) #/100 ml	0	0

- Of the above parameters, the most important parameters that are considered while maintaining drinking water hygiene quality are- pH and Turbidity.
- The parameters- pH, Turbidity, conductivity and residual chlorine will be monitored once in shift. The recording will be done in daily log book by the shift charge engineer.

Prepared By		Approved By	
Reviewed By			



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- iii. Investigation will be carried out lead by the Operations Manager in case of deviation from above rules. If deviation occurs, suitable corrective actions are to be taken to mitigate the situation as per Nonconformance, root cause analysis and corrective action procedure.
- iv. When required, analysis of other chemicals will be carried out through outside lab.
- v. The report of water quality confirmed by the outside laboratory will be stored.

b. RECORD KEEPING REQUIREMENTS

This is the responsibility of MR.

6. Reference

ISO 45001 Standard

7. Appendix

None

8. Revision History

SI No.	Revision Number	Section	Change Made	Date of Creation

Prepared By		Approved By	
Reviewed By			