



## JOB PROFILE

### 1. JOB DETAILS

Job Title	Condition Monitoring Technician
Job Code	LNW/0000
Department	Operations & Maintenance
Unit	Plant Maintenance
Location	Head Office
Occupational Classification	Technical
Revision Date	20/06/2023

### 2. REPORTING STRUCTURE

Head of Department	General Manager: Operations & Maintenance
Supervisor/ Manager	Infrastructure Maintenance Manager
Number of Subordinates	0
Positions of Subordinates	N/A

### 3. PRIMARY JOB PURPOSE

***(State the reason for the existence of the job, that is, the purpose and overall duties and responsibilities of the job in a sentence or two. This should be generic and not form part of the performance agreement)***

Reporting to the Maintenance Manager, the Condition Monitoring Technician is responsible to monitor and analyse the condition of equipment, thereby reducing production downtime, increasing machine availability, and extending machine life in support of Lepelle Northern Water's vision, mission, and strategic organisational goals.

### 4. PRINCIPAL OUTCOMES

***(List and describe the major outcomes for which the position is held accountable. Do not list all individual tasks or steps that must be followed or performed to accomplish the outcomes, but rather stress the outcome itself. List outcomes in order of their relative importance)***

- 4.1 Carry out routine and non-routine machinery condition monitoring and data collection

using data collectors and computerized CM systems with direction and support from the supervisor.

- 4.2 Carry out troubleshooting, failure investigation, telescopic inspection, oil collection, thermal imaging, task observations, vibration analysis, equipment alignment, and pump performance testing
- 4.3 Carry out routine and non-routine Condition Monitoring activities effectively and safely.
- 4.4 Collect vibration and operational parameters and upload them into the Machine Analyst database.
- 4.4 Review all exception reports in the database on a daily basis.
- 4.5 Update overhauls and bearings change events into the history database. Review daily trip events (or failure events) and coordinate with production teams to carry out necessary actions.
- 4.6 Identify and report machines with chronic problems and recommend necessary actions.
- 4.7 Carry out commissioning checks of newly installed rotating equipment.
- 4.8 Coordinate with schemes maintenance teams in troubleshooting activities, as necessary.
- 4.9 Support maintenance teams in troubleshooting and implementation of improvement initiatives.
- 4.10 Develop a rotating equipment technical database.
- 4.11 Coordinate with Maintenance Scheduler and Planning Technicians in prioritising, scheduling, and alignment of Condition Monitoring jobs with their planned activities.
- 4.12 Builds equipment history for maintenance planning.
- 4.13 Consolidates and submits condition monitoring records.
- 4.14 Prepares condition monitoring schedule.
- 4.15 Performs general administrative duties.
- 4.16 Ensures compliance with all health, safety, and environmental requirements.

## 5. JOB DIMENSIONS

*(Provide a few statistics applicable to the job which best describes its size or effect on the business. State figures on an annual basis. Include such items as budgets, payroll, revenue, other Rand amounts or pertinent items the position impacts)*

Dimension	Division	Amount	Impact
<b>Rand Measures:</b> (State figures on an annual basis for the current financial year)			
<b>Unit Measures:</b> (Number of clients, number of products or any other scope measurements pertinent to this job)			

## 6. CONTACTS

*(Indicate the most important contacts on work related issues, inside and outside the organisation, excluding supervisors or managers)*

Types of Contacts	Contact
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Advises:	Technical Services Manager, Planning Manager, Engineers, Artisans, Scheme Managers, Stakeholders, etc.
Liaises:	Technical Services Manager, Planning Manager, Engineers, Artisans, Scheme Managers, Stakeholders, etc.

**7. DECISION MAKING**

*(Indicate the limits and controls on this position's authority regarding expenditure, personnel decisions, changing policies, or methods, etc. Indicate what types of decisions are typically referred to immediate management for resolution approval)*

Fulfills administrative requirements in the unit or section. The focus is on office administration and management.

**8. KNOWLEDGE (K) AND SKILLS (S)**

*(Indicate the level of knowledge, skills and experience required in this position)*

Experience in the Mechanical Engineering discipline of which a significant portion has been spent in Condition Monitoring and rotating equipment maintenance/engineering  
 Understands procedures and project administration techniques. Some experience and training is required.

**9. COMPLEXITY & PROBLEM SOLVING**

*(Indicate the most complex issues/responsibilities of this job. Indicate what type of problem solving is required. Give examples of how problems are solved)*

A few similar tasks are repeated with few alternatives. Problem-solving is based on training and experience.

**10. ACCOUNTABILITY (A)**

*(Indicate the degree of accountability for this position)*

Accountable for own work.

**11. JUDGEMENT (J) & IMPACT (I)**

*(Indicate the impact of the judgment on the job itself, immediate section/s, department/s, region/s, or industry)*

Judgment can impact infrastructure availability.

**12. PERSON SPECIFICATION**

*(List of qualifications, experience, and training required for the job)*

	<b>Essential</b>	<b>Desirable</b>
<b>Qualifications</b>	National Diploma: Mechanical or B-Tech: Mechanical.	National Diploma: Mechanical or B-Tech: Mechanical and Registration with Professional Body
<b>Experience</b>		
<b>Training</b>	Level-1 certification in condition monitoring	N/A

### 13. COMPETENCY REQUIREMENTS

*(Indicate the most complex issues/responsibilities of this job. Indicate what type of problem-solving is required. Give examples of how problems are solved)*

<b>Competency</b>		<b>Basic</b>	<b>Intermediate</b>	<b>Advanced</b>
<b>Managerial</b>	Planning		X	
	Organising		X	
	Leading		X	
	Monitoring		X	
	Quality orientation		X	
	Persuasiveness		X	
	Business Acumen		X	
<b>Professional</b>	Specialised knowledge		X	
	Problem solving and analysis		X	
	Written communications		X	
	Oral communications		X	
<b>Entrepreneurial</b>	Commercial awareness		X	
	Creativity and innovation		X	
	Action oriented		X	
	Strategic		X	
<b>Personal Qualities</b>	Interpersonal sensitivity		X	
	Flexibility		X	
	Resilience		X	
	Personal motivation		X	

### 14. SIGNATURES

Employee's Signature: .....	Supervisor's Signature: .....
Date: .....	Date: .....
Employee's Signature: .....	HOD's Signature: .....
Date: .....	Date: .....