

# Position Description



Position Title	<b>Non Destructive Testing Officer (Rail)</b>
Position No	00045991
Delegation Level	007
Job Designation	Non Destructive Test Off (Rail)
Organisational Unit	Inspection Team - Track (North)
	Regional Assets
Work Centre	Townsville
Position Type	Permanent
Rail Safety Worker	Yes
Medical Fitness Standard	NHS Cat 3 ATTP
Performance Plan Type	Team Member/Tech Prof
Shiftworker	No
Classification (Range)	CI1 .5 - CI2 .4
Pay Scale Type	Network Maintenance
Reports to Position	Inspection Coordinator - Track (North)

## QUEENSLAND RAIL VALUES:

1 Queensland Rail - We do better together  
Treat others with respect - We appreciate everyone's contributions and differences  
Empower our people - We have confidence in our people  
Act Safely - We work safe, to go home safe  
Make a positive difference - We learn from today, to improve tomorrow

## Position Purpose

Conduct non destructive tests in the field, in accordance with specified processes and procedures on rail and other metallic components of track infrastructure and associated assets to deliver safe, cost effective and timely services on behalf of Network.

## Position Responsibilities

1. Conduct field tests using specified processes and procedures on rail welds, wheel burns, squats and other suspect pieces of rail for internal metallurgical defects within the railway infrastructure.  
May also be required to conduct non destructive field tests of other track components as directed using non destructive test techniques, again using specified processes and procedures and reporting in conformity with standards set by the Rail Asset Owner in the Civil Engineering Track Standards (STD/0077/TEC).
2. Classify, size and report rail defects found and submit reports on the outcomes of testing.
3. Arrange the application of emergency speed restrictions to defective rails found during testing and notification of urgent repair requirements to Manager Infrastructure Maintenance (MIM) staff responsible for these repairs. Act in an autonomous, proactive manner to ensure that repairs are carried out within the appropriate timeframe.
4. Use Category 3 driver skills and non destructive testing knowledge to supervise and pilot contract automated non destructive test vehicle within boundaries of MIM District to which they are attached. Must supervise the contractor at a local level on behalf of Queensland Rail contract representative (Programmed Maintenance Services).
5. Produce 3 month rolling manual testing programs and carry out manual ultrasonic, magnetic particle and liquid penetrant rail

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testing without direct supervision in response to the following track activities:-

- Aluminothermic welding activity;
- Rail damage from derailments;
- Rail replacement/cascading activity;
- Electrical arc maintenance welding activity;
- Specified proactive testing and retesting strategies in accordance with the requirements of the Civil Engineering Track Standards (STD/0077/TEC).

6. Act as mentor and supervisor for the work of Non Destructive Testing Officer Trainees allocated to them for training.
7. Conduct specific local track inspections as required.
8. Enter rail defects found (and repairs carried out) into the Rail Defects Management System (RDMS) or its equivalent.
9. Maintain route competence over all specified corridors within boundaries of the MIM District to which the officer is attached.

## **Additional Factors**

The appointee will be required to :-

- Comply with Queensland Rail's Code of Conduct;
- Observe all legal and safety obligations of the organisation;
- Work away from home station;
- Operate in a semi-autonomous manner with broad direction being given by their immediate Supervisor;
- Undertake further training and re-qualification as may be required to maintain Australian Institute of Non Destructive Testing (AINDT) recognition of their qualifications;
- Travel and work outdoors in and around track equipment and structures;
- Work outside normal hours as required including shift work;
- Travel and work under difficult and trying conditions on flood repair and other emergency work;
- Obtain Civil Infrastructure Competencies, AINDT Qualifications, MEM Trade Competencies and FLM competencies to achieve pay progression (Level 2 AINDT Qualifications are the key components of any progression to CI2.3/CI2.4 levels).

## **What is the key selection criteria**

1. Substantial knowledge of track construction, maintenance, degradation mechanisms and rail defects.
2. Substantial understanding of rail welding methods and rail weld repair methods.
3. Sound literacy and numeracy skills.
4. Sound level of skill in the use of PC based applications including Microsoft Word, Excel and Access databases such as RDMS or similar.
5. Sound problem solving, analytical and quality improvement skills.
6. Knowledge of and willingness to commit to and work within Queensland Rail's Values and Behaviours.

## **Pre-employment Checks:**

Not Applicable

## **Pre-employment Qualifications:**

**What qualifications do I need to hold prior to applying for the position?:**

20300281 Nat Drv Lic C (Qld A < 09.04.96)

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## **Health, Safety and Environment Responsibilities**

Comply with the overarching document called Health, Safety and Environment Responsibilities MD-11-6843 located in the Safety and Environment Management System.

## **Personal Protective Equipment needs:**

Head and Face protection  
Eye Protection  
Hearing Protection  
Hand Protection  
High Visibility Clothing  
Safety Footwear  
Sunscreen SPF 15+

## **Safety Publications**

QR Electrification Safety Booklet  
QR Weekly Notice  
Your Health (Newsletter)  
C.E.O.'s Safety Statement  
C.E.O.'s General Safety Rules

## **Please Note:**

Queensland Rail has a random alcohol and other drug testing program.  
Testing can occur anywhere, at any time, on any day.