

Ballast – Unload – Other

Scope Includes: RRVs, baskets and dumper
Excludes: Trains

Preparation

Tools, equipment and plant items required but not limited to:

- RRV and trailer
- 1 ton ballast bags with quick release chords
- Shovels, forks
- Dumper
- Baskets and Skate

Work planning considerations:

- Pre site inspection
- Short localised sites such as S&C
- RRV access and movements
- No-tip sites such as level crossings, under bridges, S&C
- Sufficient support staff including Crane Controller
- Lifting plan
- Follow-up ballast regulator shifts
- Signalling requirements
- Traction isolation requirements

Method

1. Brief all persons involved, including any Crane controllers or machine controllers, about the methodology and exact location of ballast drops.
2. For RRV, lift one ballast bag at a time from the trailer and use the quick release chord to unload in the desired location.
3. For dumper, carefully tip the ballast in the desired location taking care to avoid damaging trackside equipment.
4. For basket and skate, take ballast from storage mound as appropriate and unload in the desired location.
5. Utilise support staff to regulate and clear away any excess ballast from running rails, S&C and 3rd rail electrified equipment etc.
6. After ballast unloading is completed carry out inspection to ensure all infrastructure equipment free of excess ballast and working correctly.
7. Consideration for routes outside 3rd rail areas that may have dual powered stock operating (risk of conductor rail shoes being knocked off).
8. Ensure ballast profile is installed.
9. Complete site record report.

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References

Supports Ellipse Standard job

- 009120 Ballast – Unload – Other

If applicable refer to the following directly associated documents:

- NR/SP/TRK/001 Inspection and Maintenance of Permanent Way
- NR/SP/TRK/102 Track Construction Standards
- NR/PRC/MTC/TK0003 Control of on track machines
- NR/GN/TRK/7001/TWI3S104 How to unload ballast through S&C

- Risk Control Sheets:
- NR/L3/MTC/0002/TK100 Unloading Ballast – Train
- NR/L3/MTC/0002/TK101 Unloading Ballast – OTP
- NR/L3/MTC/0002/TK102 Unloading Ballast – Manual