

No: IGS 246

## Infrastructure Group Safety Bulletin

### OTP Rate Capacity Indicator Overload (RCI) External Audible Warning Alarms

#### This bulletin is for the attention of:

All Plant Operators Licence Holders; IMDM's, TME's, line managers and staff; Principal Contractors, Project Managers and Work Supervisors; all Engineering Supervisor, COSS and Crane Controller competence holders.

#### Background

It has been discovered during a recent investigation into an RRV overload occurrence, that the external audible warning alarms **may** not be heard by personnel involved in or working adjacent to lifting operations. An audible warning, where such a device is fitted, is triggered in the event of an OTP lifting over capacity. In some circumstances this warning may not be heard by those in the vicinity because the volume of noise created by the OTP is louder than the warning alarm or in some cases there is no external audible warning mechanism fitted. *Note: On older pre 1530 issue 2 machines an external audible warning was not a mandatory requirement.*

Red light indicates the RCI is off, in standby or overload



Blue light indicates if the RCI is turned on & fully functional.

White light indicates lifting within safe working load for duty

#### Action to be taken

All personnel who may be working in the vicinity of a Road Rail Excavator Crane lifting operation (i.e. Crane Controllers, COSS, ES, slingers etc) must be alerted to the possibility of the RCI external audible alarm being of insufficient volume to be heard during an overload occurrence. Therefore, before lifting operations begin on all Road Rail Excavator Cranes, the Crane Controller & OTP Operator must agree:

1. To create an exclusion zone for all personnel within the vicinity of the site of work, what that exclusion zone is and the method of warning when it will be applied. (E.g.: movement and lifting operations of Road Rail Excavator Cranes)
2. The Crane Controller must record the information from the above on the appropriate work documentation.

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