



## HAZARD

This Safety Alert is issued in response to a fatal accident that occurred at Minera Escondida Limitada (MEL) Mine in Chile on 21<sup>st</sup> October 2016 during a Mill Reline operation. A RUSSELL MINERAL EQUIPMENT (RME) TWIN Mill Relining Machine was being used during the mill reline.

Although an investigation is still underway, it has been determined that the RUSSELL TWIN Mill Relining Machine was operating normally.

RUSSELL Mill Relining Machines are manufactured with safety as a fundamental principle. RUSSELL Mill Relining Machines incorporate multiple safety features to counter risks which are common to mill relining operations.

RME also conducts RUSSELL Mill Relining Machine operator training. This training is essential for safe operation of RUSSELL Mill Relining Machines.

## WHAT TO DO

RME recommends that all owners and operators of RUSSELL Mill Relining Machines conduct the following safety and operational checks before commencing a reline:

1. **Ensure that all RUSSELL Mill Relining Machine operators are trained and competent in the operation of the Mill Relining Machine being used and that they utilise the Machine's safety features;**
2. **Ensure that all warnings and recommended operating procedures in your RUSSELL Mill Relining Machine Operations Manual are understood and adhered to;**
3. **Ensure that all safety features included with the RUSSELL Mill Relining Machine (please refer to your RUSSELL Mill Relining Machine Operations Manual) are functioning and in use;**
4. **Ensure that Safe Operating Practices (SOP) have been designed and implemented with respect to reline crew member activity around the RUSSELL Mill Relining Machine, while it is in operation or when it is holding stored energy – with particular emphasis on the establishment of exclusion zones around components of the Machine that move or have the potential to move.**
5. **Ensure that the RUSSELL Mill Relining Machine is being operated according to the limits of its Rated Capacity.**

RME also advises that older generations of RUSSELL Mill Relining Machines, while safe to operate in accordance with their Operations Manuals and recommended operating procedures, may not have all current, state-of-the-art, safety features. If you have any questions regarding this Safety Alert or regarding the safe use of a RUSSELL Mill Relining Machine, please contact **RUSSELL MINERAL EQUIPMENT (RME)**:

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## REMINDER: SAFE OPERATION CONTROLS

High potential for injury during a mill reline exists in the RED circular zones highlighted in FIGURES 1 and 2 below.

These highlighted red zones should be **vacated by all personnel** whenever the RUSSELL Mill Relining Machine is in motion, or has the potential to be in motion.

Before operation of the Machine, comprehensive **mill relining safety procedures** should be implemented by mine-site personnel and reline crew for the duration of the mill relining activity.

RME recommends that the mine-site's **procedures** include a safe distance for personnel from the Machine's Grapple, Boom and the trapping points before the Machine moves.

All Machine Operators and mill reliners should make themselves aware of, and be familiar with, the RUSSELL Mill Relining Machine's many safety features by reading the Machine's specific **Instruction and Operation Manual**.

Please contact RUSSELL MINERAL EQUIPMENT (RME) for advice and consultation regarding the safe operation of your RUSSELL Mill Relining Machine and for participation in RME's Operator Training Courses.

