

GE Mining
Industrea

BULLETIN 33875

FLITMATE ZONE AWARENESS SYSTEM (ZAS)

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Prepared for: Industry
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BULLETIN FlitMate ZAS

This bulletin is in relation to GE Mining FLITMATES fitted with a ZAS Zone Awareness System.

Communication: RF Antenna type

A recent routine inspection of a FLITMATE machine has identified that the RF antennas (2 per machine) installed as part of the Zone Awareness System (ZAS) were of the incorrect type. The RF antennas receive communications from roof tags to shut down the FlitMate at the boundary of a Hazardous zone. With the incorrect antenna, the ZAS will not work as designed due to the reduced RF range, potentially allowing the FLITMATE to enter a hazardous zone if other preventative entry controls fail.

Action: RF Antenna identification

GE Mining recommends that the affected machines be inspected for correct antenna installation prior to next operation. The antenna can be identified by length measurement and marking. The correct 430 – 450 MHz TRAB4303P antenna is 85mm long. Please advise GE immediately if replacement antennas are required.



Communication: Magnetic Field Strength

The zone configuration power setting of the magnetic antenna field strength was found on one installation to be lower than the target range. An incorrect setting will affect the tag detection range creating reduced proximity detection of the zone curtain.

Action: Magnetic Field Strength verification

GE Mining recommends that the affected machines be tested for correct function prior to next operation. Correct magnetic field strength will operate the control systems at a range of approximately 10m in the forward and rear directions, and 7m from the side. ZAS field strength setting procedure will be carried out by a GE technician.

Individual Recall: Affected machines

The Zone Awareness System is installed in certain GE Mining FlitMates as identified below.

Machine	Serial Number	Plant Number
FlitMate	1	2470
FlitMate	8	2472
FlitMate	9	2473
FlitMate	11	CFM01

Logistics: Please contact GE Mining to make arrangements for this work to be undertaken.

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