EMS OP09: Cooler Dust Abatement Operation and Maintenance

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INTRODUCTION

This procedure describes the method by which I'Anson Bros Ltd will maintain cooler dust abatement equipment at the mill. The main objective of this procedure is to ensure that dust emissions are kept to a minimum.

REFERENCES

This will be referenced in the Mill monitoring and planned preventative maintenance schedules.

HAZARDS

The emission of dust and particulates to atmosphere could cause a nuisance to residents and businesses in the surrounding area. These emissions may also lead to the deposition of material on land or in watercourses and may pose a risk to flora and fauna.

ACTIONS

Day to day Operations

1. Cooler dust abatement equipment is monitored and high levels of emissions are alarmed to operators by level probe indicators, which form part of the continuous monitoring system. The system automatically shuts down the main cooler fan which ensures emissions are avoided.

2. In the event that an alarm is raised, the line cannot be re-started until the appropriate remedial action has been taken to rectify the problem.

3. A visual check on the air-out stacks must be carried out daily to check if any particulate emissions are visible. If there are visible emissions then remedial action must be taken to rectify any clogging or damage.

Regular maintenance

4. The dust separation system should be checked on a regular basis to ensure they are not clogged or damaged.

5. Iso-kinetic sampling of dust emissions are conducted at least annually to confirm abatement equipment is operating efficiently, to ensure particulate emissions are minimised and do not exceed 20mg/m3.

Documentation

1. Ensure that all checks referred to above are documented.

LEGISLATION

Details of the legislation relating to this procedure are contained in the Register of Legislation held on the computer system.

OTHER USEFUL REFERENCES

Refer to manufacturer's maintenance manual.