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Smoke door sequence of operation

1. When the VESDA Smoke Detector senses "Smoke" signal:
 - a. The Auger PLC receives the Smoke Signal.
 - i. Audible and Visual Alarm
 1. Stack light horn
 2. Stack light lights
 3. The dumper will lower automatically (if not already at the full down position)
 4. The smoke door will close
 - ii. When the Dumper and Auger are operating
 1. The Dumper will stop moving UP if it is in automatic or manual and lower, automatically, to the full down position. The Auger will stop operation. Both the dumper and auger will be taken out of auto mode.
 2. Conveyor Feed Stops
 - a. Alarm Horn will sound
 - b. Flashing Stack light red will flash
 - iii. If the Dumper is in operation it will stop movement, and lower to the full down position, automatically.
 1. An Audible and Visual Alarm sounds until VESDA unit no longer detects smoke.
 - a. Alarm Horn will sound
 - b. Flashing Stack Light red will flash
 2. Dumper must be lowered:
 - a. The dumper will automatically stop, and then lower to the full down position, automatically, before the door will lower to avoid interference.
 - iv. The Smoke Door will Close
 - v. When the VESDA Smoke Detector no longer detects smoke and removes the Smoke signal:
 1. The VESDA unit can be reset.
 2. The smoke door can be raised. Note, the smoke door cannot be raised prior to the VESDA unit clearing.

Thanks,
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