

Flour-bag hopper loading - JSA - B

en-SG · Technical failure review · v1.0 · 2026-10-14 · Sources: article section 9

Site: | Item ID: | Work area:

Approval	Work supervisor	Technical reviewer	Release / handover authority

1. Job details and team signatures

Date / time	Location / area			Assessor		Supervisor	
Team signatures							

2. Conditions and hold points

Stage	Time	Location / area	Environment / readings	Item / condition	Controls	Plant / tools	Approval / signature
HP-0 Start							
HP-1 Support bags							
HP-2 Check capture							
HP-3 Hold abnormal feed							
HP-4 Clean and transfer							

Complete after actual checks. Recheck after changes, defects or shift handover.

3. JSA risk assessment

Job stage	Hazards and effects	Failure factors	Technical and procedural controls	Site verification	P	S	R	A
1. Support bags	1. Falling bag 2. Dusty-floor slip 3. Blocked walkway	1. Support unstable 2. Spillage ignored 3. Bags in route	1. Use handling assistance 2. Provide stable bag support 3. Keep floor and route clear	1. Support and aids 2. Floor condition 3. Material route				
2. Check capture	1. Moving-part contact 2. Ignition of dust 3. Uncontrolled feed	1. Guard damaged 2. Equipment unsuitable 3. Stop inaccessible	1. Maintain guards/interlocks 2. Confirm dust-compatible equipment 3. Check nearby stop function	1. Guard/interlock state 2. Dust equipment review 3. Stop access/function				
3. Open bag	1. Packaging contamination 2. Dust release 3. Bag falls into hopper	1. Scraps not recovered 2. Bag opened outside hood 3. Bag unsupported	1. Recover packaging pieces 2. Open within capture zone 3. Keep bag supported	1. Packaging count 2. Hood and bag position 3. Bag support				
4. Feed hopper	1. Hand entanglement 2. Flour spill 3. Operator strain	1. Hand pushes residue 2. Feed exceeds capacity 3. Awkward bag hold	1. Handle outside guard 2. Monitor flow and capture 3. Maintain supported posture	1. Hand boundary 2. Flow and sound 3. Support and workload				
5. Collect empty bags	1. Contaminated route 2. Trip from bags 3. Exposure outside hood	1. Thrown into open bin 2. Waste piles up 3. Folding elsewhere	1. Use designated collection 2. Keep route clear 3. Remain within capture area	1. Collection container 2. Floor and waste route 3. Capture at folding point				
6. Hold abnormal feed	1. Dust ignition 2. Respiratory harm 3. Unexpected linked start	1. Capture fault ignored 2. Cough dismissed 3. Stop mistaken for isolation	1. Restrict hopper access 2. Transfer isolated fault clearing 3. Review exposure symptoms	1. Capture/guard condition 2. Health report 3. Restoration/restart evidence				

P/S/R/A: Complete only after actual site assessment using the site risk method.

4. Pre-work checklist

☐ Support and aids	☐ Guard/interlock state	☐ Packaging count
☐ Hand boundary	☐ Collection container	☐ Capture/guard condition
☐ Material route	☐ Support and workload	☐ Restoration/restart evidence