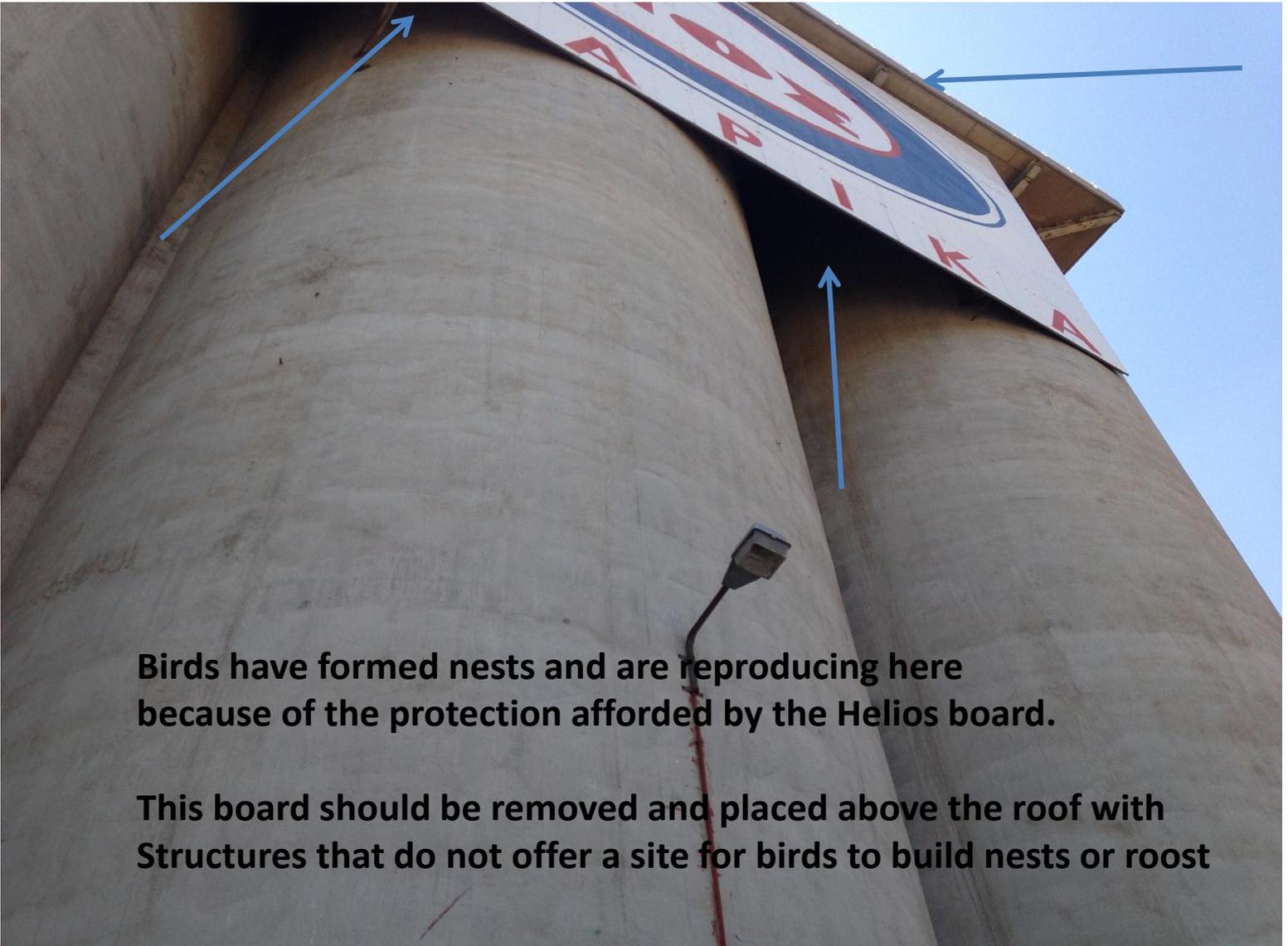


Sanitation issues in flour mills

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Birds have formed nests and are reproducing here because of the protection afforded by the Helios board.

This board should be removed and placed above the roof with Structures that do not offer a site for birds to build nests or roost

Remove board and place above roof





Remove all lights (landing sites for birds). Place lights away from Silos on the ground with light shining on bins

Seal vents with 840 micrometer mesh

Nearby fields indicate high risk of rodent infestation





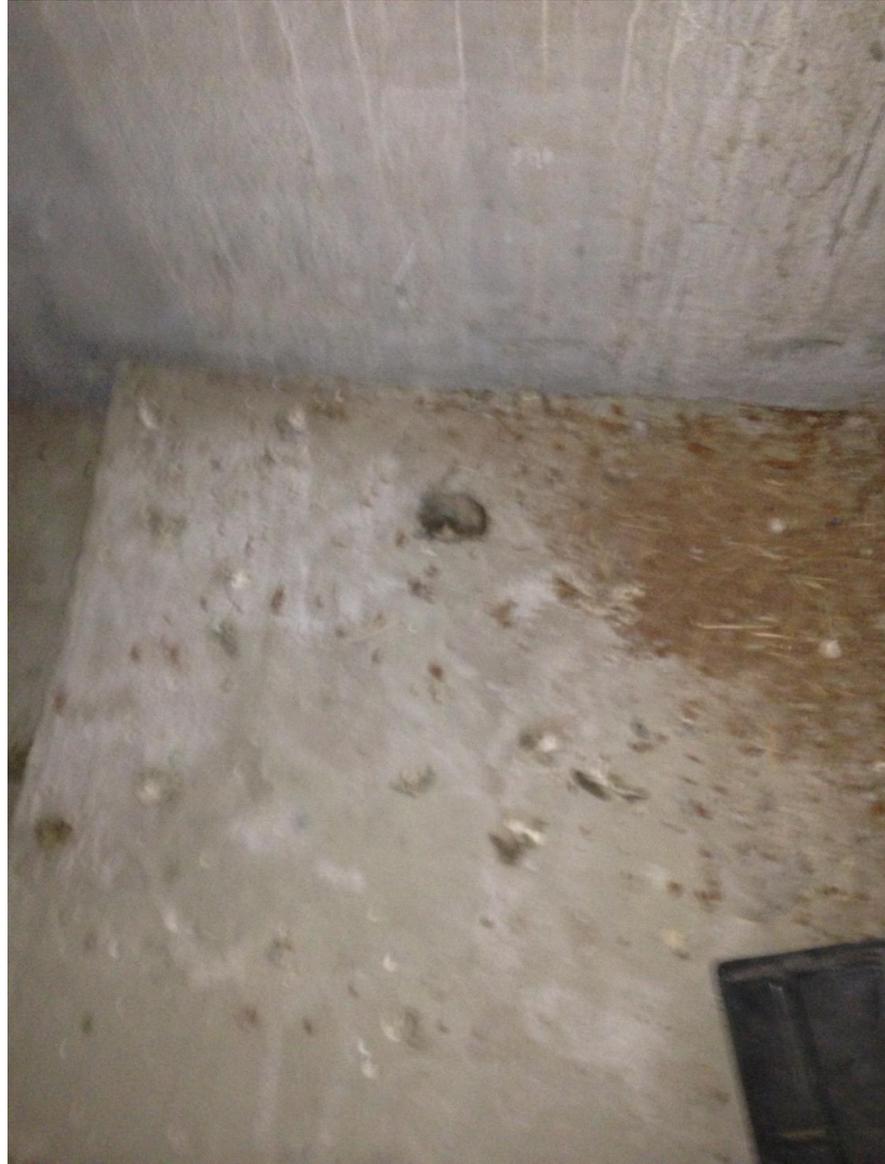
Fecal material inside the silo building



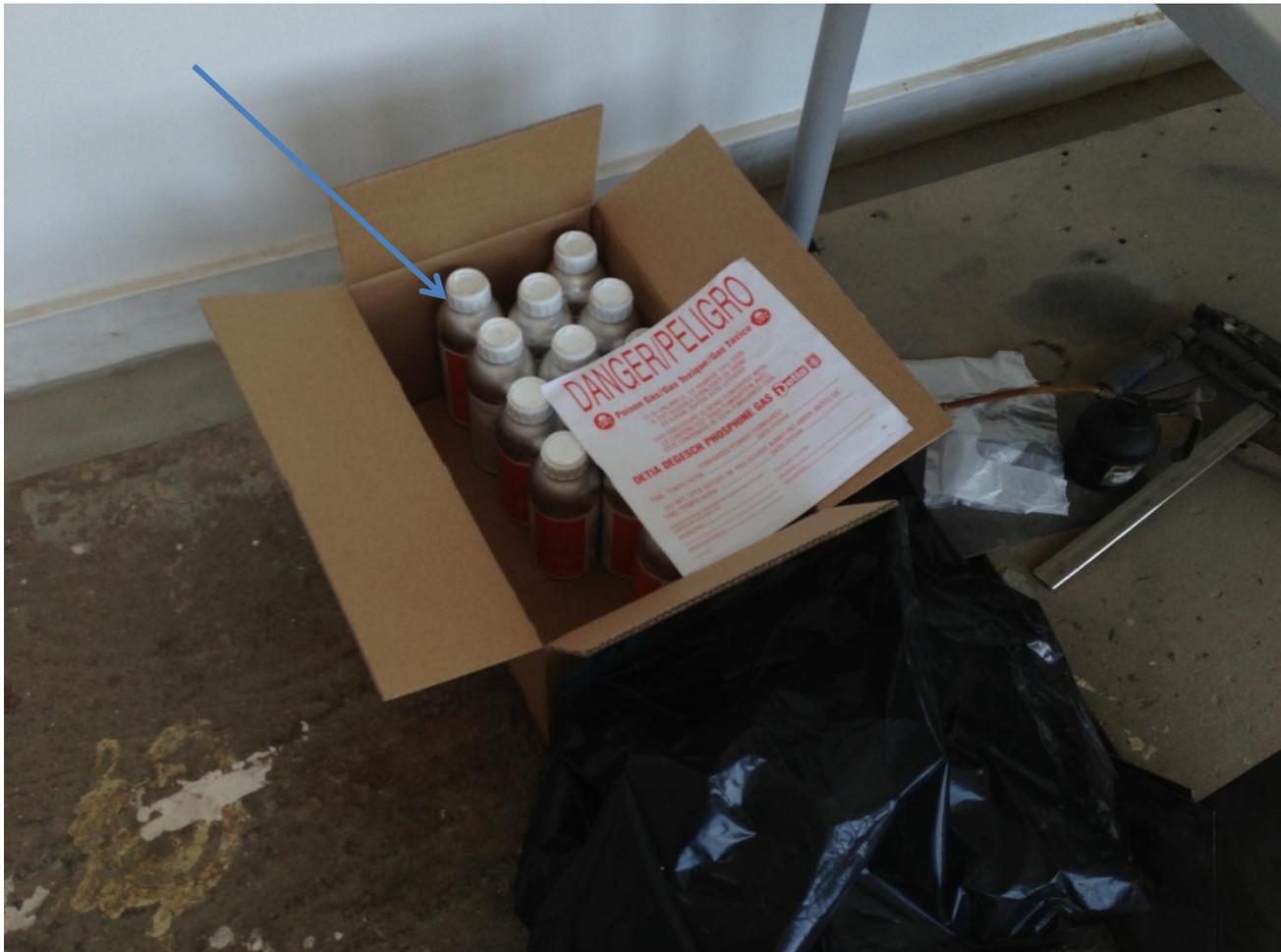
Fecal material from birds on all stairs and floors

Unhygienic conditions; clean and use bleach to wash fecal contamination

Clean spillage and bird feces and decontaminate with chlorine bleach



Any and all phosphine containers or other pesticides should be placed under lock and key. Maintain inventory of when product is used. AgroSpecom can show how best to use these Products for effective insect control.



Warehouse doors are open



These openings should be closed

Standing water indicative of grading



Stranded water can cause contamination problems. What are pallets doing outside?

Trucks need a special truck maintenance program



Unclear if the company has standards for trucks to transport flour; involves inspection and ensure that trucks are free of insects and pathogens

Places such as these need to be repaired to prevent standing water



Areas with vegetation should be inspected for rodent burrows



Need wall on this side to prevent rodents from coming from the tree line/shrubs

Photo 2

Place metal flashing all around as shown to deter rodents; no Gaps between metal and concrete.

Have sliding doors; make sure there is a mesh to the outside

The small arrows show ledges that should be fixed by pouring concrete at 45 degree angle

Is this a trash compactor? If so, it should be placed far away from building on a concrete pad



Remove wire fence and replace with a compound wall that 6-8 feet high



Remove vegetation, and level the area and also pour concrete between wall and the channel for water

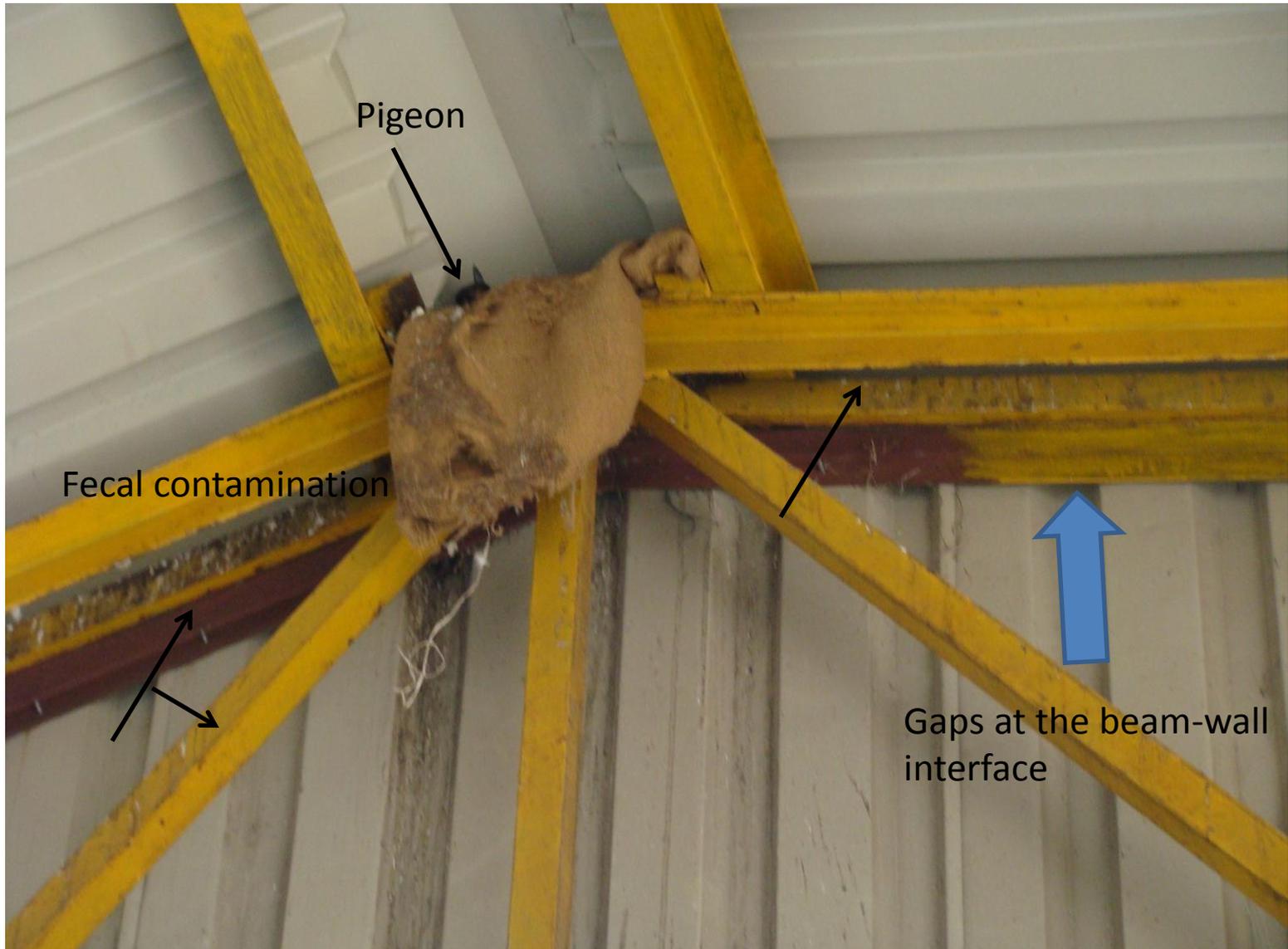
Cover the water channel with metal mesh to exclude rodent access to water; inspect and treat with a disinfectant if needed

Photo 3



Bird fecal material; exclude birds from this area. Have a smooth surface. Or have a daily or weekly cleaning program with bleach to kill any pathogens in bird fecal material

Photo 4



Pigeon

Fecal contamination

Gaps at the beam-wall interface

Photo 5

Avoid this ledge; site for birds to land

Repair all damaged areas indicated with arrows

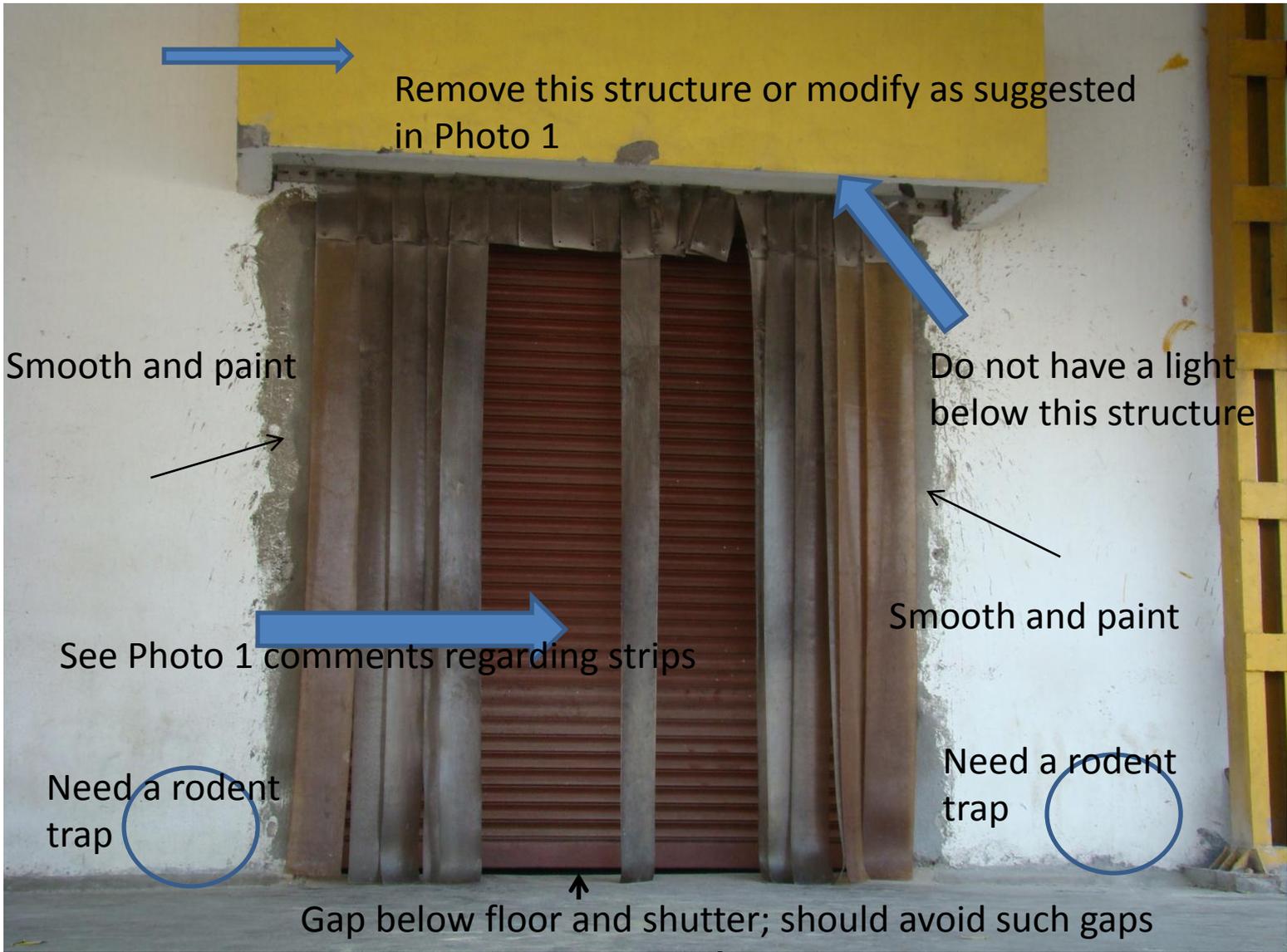


Rodent trap needed on right side

Make sure there are no gaps underneath this door

Photo 1

Photo 6



Remove this structure or modify as suggested in Photo 1

Smooth and paint

Do not have a light below this structure

See Photo 1 comments regarding strips

Smooth and paint

Need a rodent trap

Need a rodent trap

Gap below floor and shutter; should avoid such gaps as they are large enough for rodents and insects to enter

Place spikes to exclude birds on all surfaces of support

What are these items?; lids for spouts?

Risk of product contamination;
Entry point

Chipping concrete; risk of product contamination

FINISHED GOODS WAREHOUSE

See Photo 1 comments

Keep this junction box as part of GMPs

See Photo 1 comments

Seal areas around wires coming out of the box

Photo 7





A better design is needed to remove rocks; use of precleaners a must



The use of a screen (not good) over grates is unnecessary: this area requires a better design to exclude rocks; or use precleaners prior to dumping

Ceiling gaps allow bird entry; remove flat surfaces above to prevent bird landing while grain is being dumped in pit



Need better walls that prevent dust adhesion



Birds can land on the tops of the aluminum ducting

Put spike above and seal gaps below the ducts



Bird nests a risk of Salmonella for grain being dumped in the pit



Need new plastic strips with heavy metal bottom. These Strips do not prevent insects, birds, and rodents from entering this area.

Damaged trap with debris. These things do not happen if you use a tamper resistant rodent bait box



Check fly bait traps and remove before flies can breed in it



Check this area for rodents





Have proper storage of these equipment
Preferably in a storage shed on shelves
Clean flour residue prior to storage



Have proper storage of these equipment
Preferably in a storage shed on shelves
Clean flour residue prior to storage



Have proper storage of these equipment
Preferably in a storage shed on shelves
Clean flour residue prior to storage



Build at least a 3 meter high wall to prevent rodents from entering mill from this area

Trim vegetation, especially tree branches so rodents and birds do not use them



High risk area for microorganisms and rodents



High risk for rodents. Discard or store properly

This area is infested. Grain left in augers is the source of infestation.



Can this auger be opened and cleaned? Important to prevent infestation.

See spillage on floor and insects on floor.



Insects coming from raw grain (auger from bins a likely source).



Three different species seen here.



Very clean area. Seal bases of equipment to floor.



Also clean tops of equipment on a regular schedule.

Seal all gaps with an epoxy sealant.





Rodent fecal material



Rodent tracks



Replace wood and eliminate gaps





Bird fecal material in
production area

This may result in failing
grade

Grooves trap dust



Clean and spray if unable to replace

Close all open doors. This door was open during the visit. This will permit entry of birds/insects.



Why is there water spillage? Determine source and fix the problem.

Torn screen. Fix problem. Clean up insect debris. Screen size too big and will allow insects. Use 150 micrometer size openings.





Insect tracks

Need grated shelves to store items on the ground and shelves should be away from the wall
These materials should be organized by type and stored



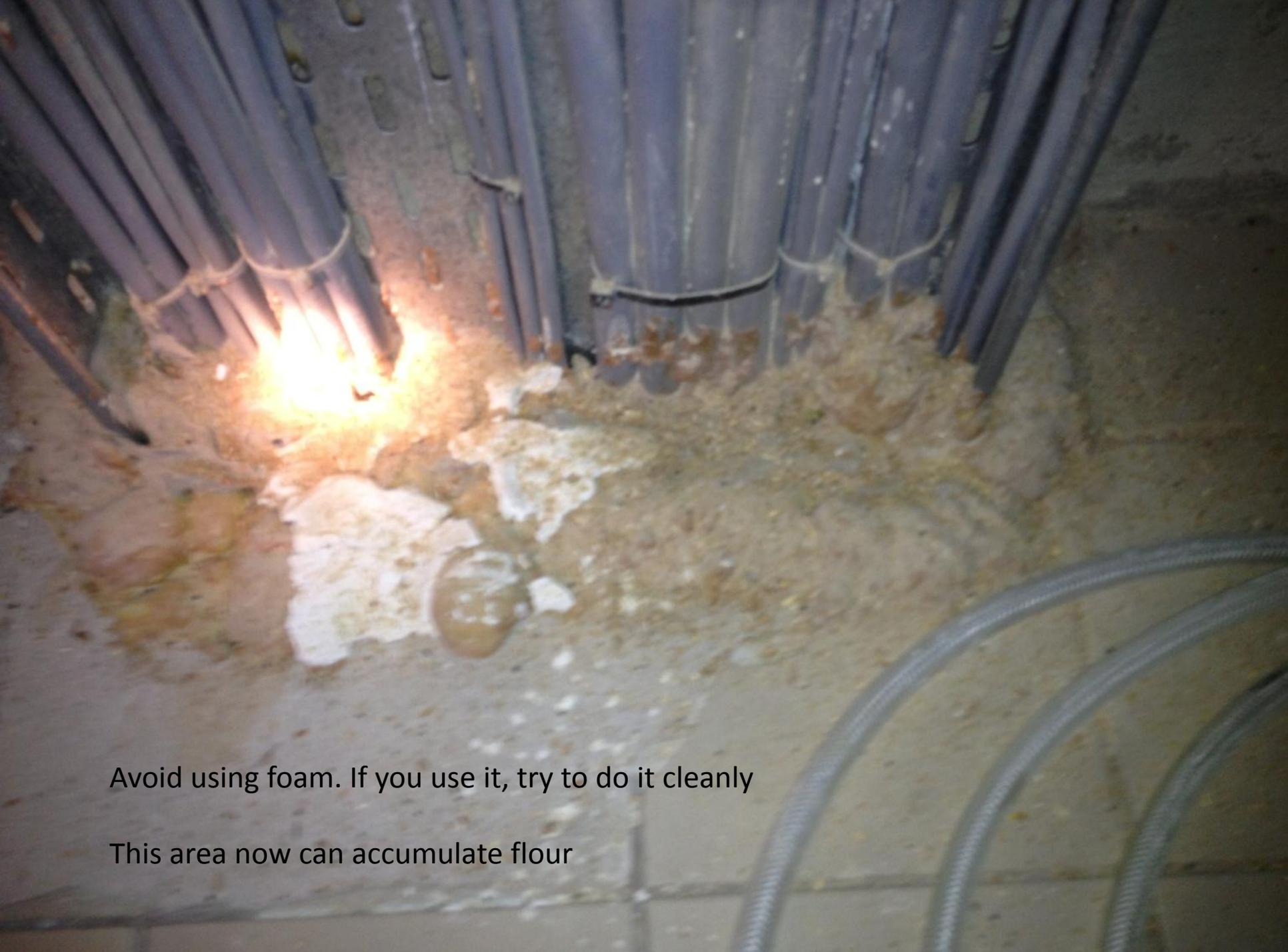
Need grated shelves to store items on the ground and shelves should be away from the wall
These materials should be organized by type and stored



Should be cleaned and stored



Clean up dust on equipment
Figure out where the dust is coming from



Avoid using foam. If you use it, try to do it cleanly

This area now can accumulate flour



When using foam, remove excess and smooth it out.



Clean, sort, and store so they are off the floor.



Insect trails in flour on sieves. Clean sieves and place them on a shelf.



Examine flour accumulation and insects inside the sieve.



Employees need uniforms and should never wear shorts and tennis shoes.



They should also wear hair nets and steel toe boots.



A cleaning car should be clean and not dirty; replace brushes

Move pallets away from the wall



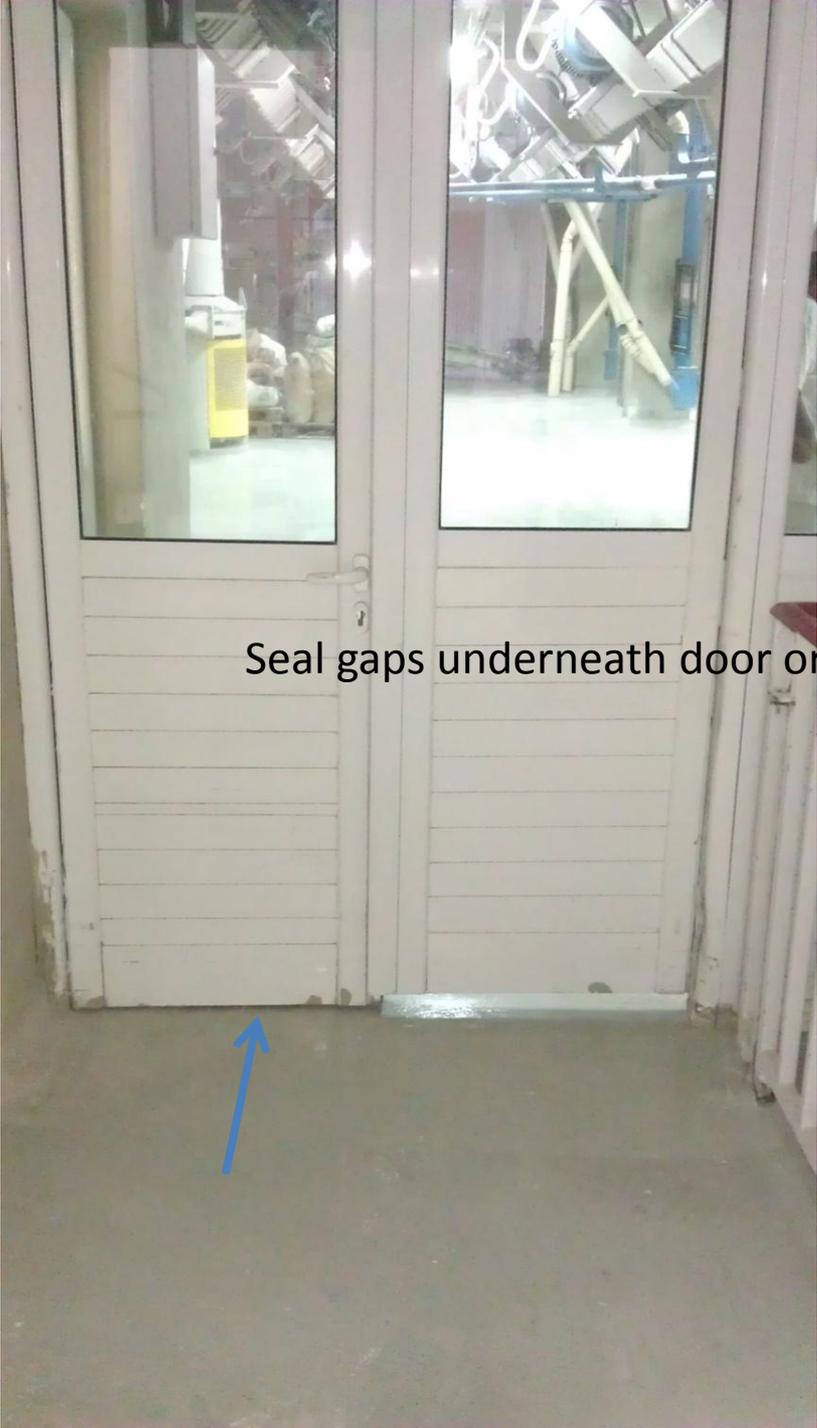


Never keep bags open

These bags and other next to it if stored longer will become sources of infestation

Seal gaps underneath door or get a better door with good seal





Seal gaps underneath door or get a better door with good seal



Should be cleaned and stored



Clean up dust on equipment
Figure out where the dust is coming from



Improve pallet spacing



Materials on floor should be stored properly



Needs railing for employee safety



Reasons for dust on steps needs to be investigated and fixed

A cleaning car should be clean and not dirty; replace brushes

Move pallets away from the wall





Move pallets away from the wall



Eliminate grooved tiles from mill

Coveralls should not have pockets or buttons

Clean floor, but remove tiles and have flat floor surface





Replace wood and eliminate gaps





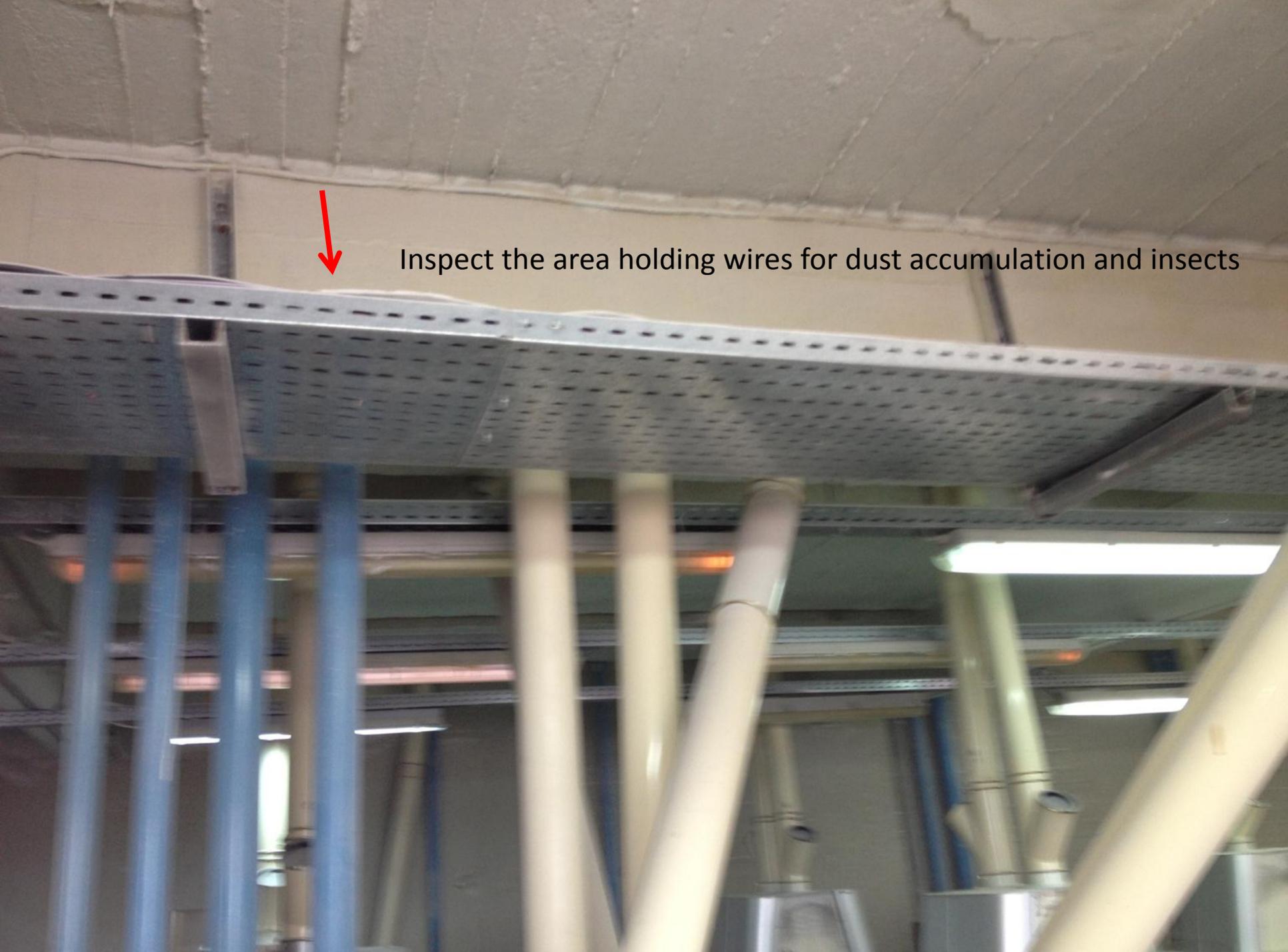
Bird fecal material in
production area

This may result in failing
grade

Grooves trap dust



Inspect the area holding wires for dust accumulation and insects



Close this gap to prevent accumulation of flour





Flour and insects under tiles

First clean and spray if unable to replace



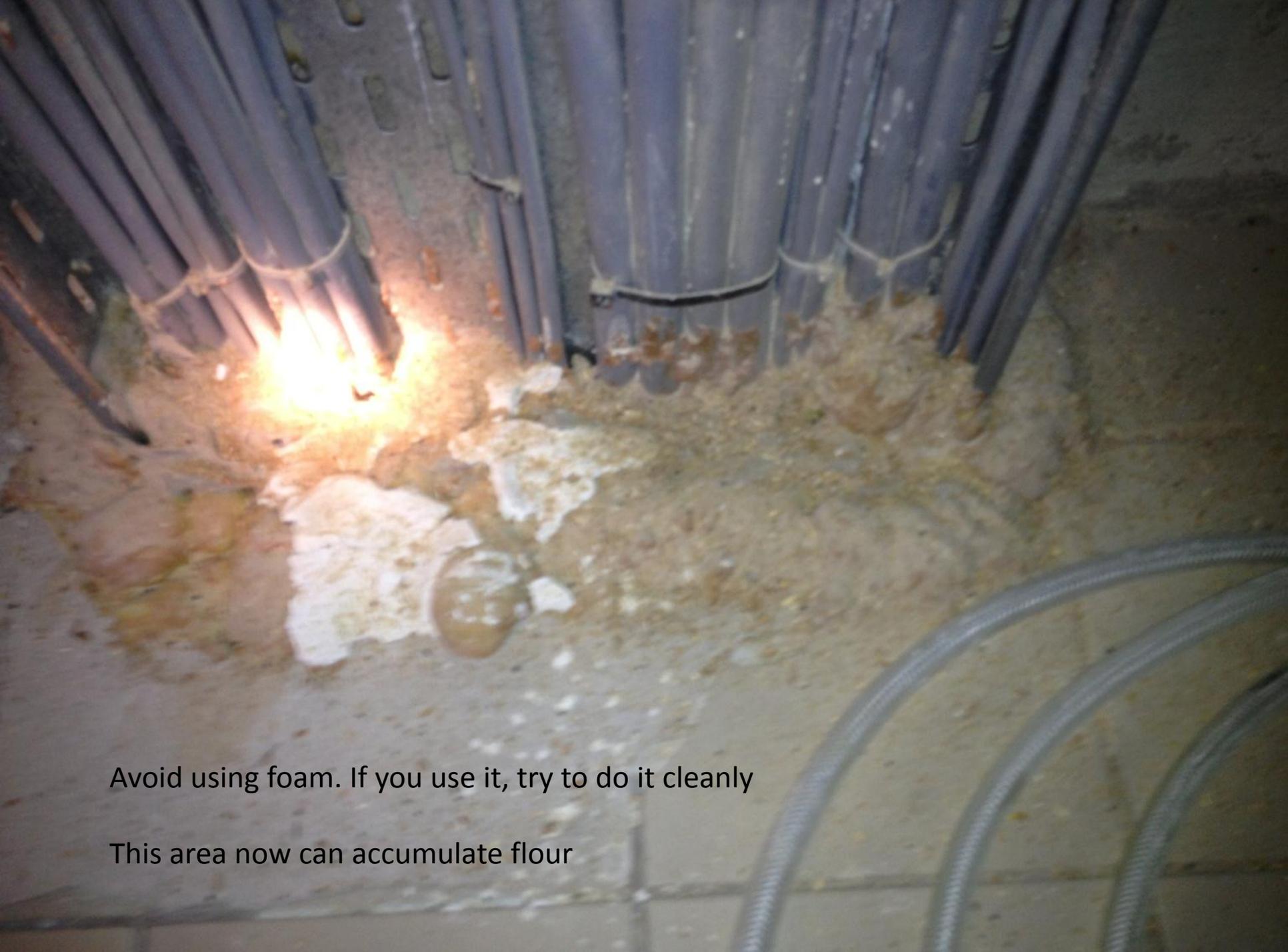
Clean and spray if unable to replace

Junction boxes should be opened and cleaned regularly





Vacuum these areas regularly



Avoid using foam. If you use it, try to do it cleanly

This area now can accumulate flour



Good to have color coded tools

Replace them properly against the wall



Improve pallet spacing for good inspection

30-60 cm between pallets



Improve pallet spacing for good inspection

30-60 cm between pallets

Flour product will get contaminated. Move lights.



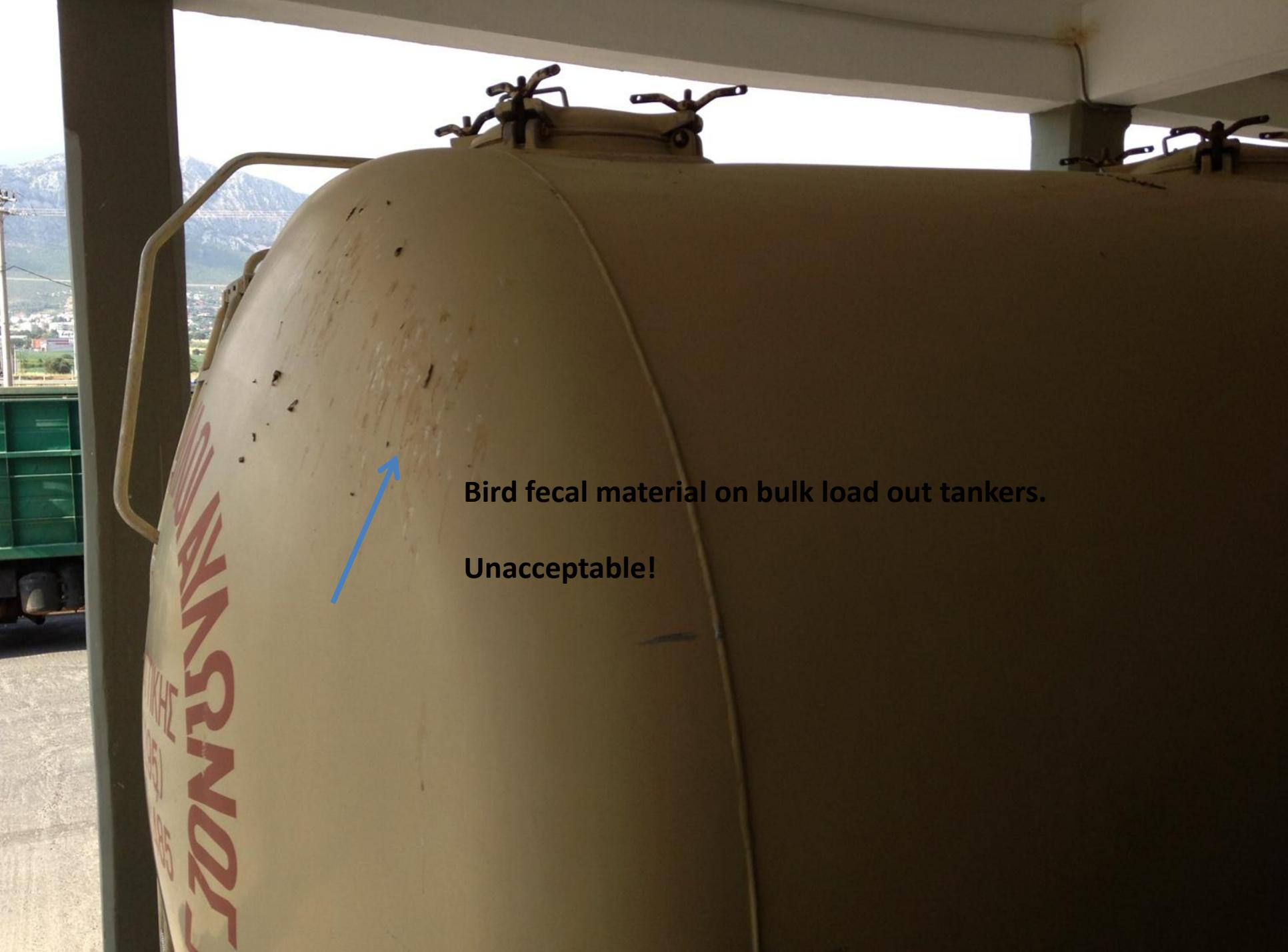
ΥΛΟΙ ΑΥΛΩΝΟΣ

ΠΑΝ

ΑΥΛΩΝ Α
ΤΗΛ. (029

Lot of bird activity. Light fixtures are giving opportunity for these birds to build nests again and again





Bird fecal material on bulk load out tankers.

Unacceptable!