

Operation Details of Two Poultry Slaughtering Plants in Singapore

Operation details of two Singapore plants provided by the plants' operators/suppliers are as follows:

Plant A

The plant capacity is 4,000 broilers per hour. Its operation time is from afternoon to evening on everyday.

The poultry processing consists of the following:

- Holding area where broilers are stored temporarily until hooked onto the processing line.
- The broilers are then manually transferred to the suspension area for manually hanging on to the killing and plucking line shackles.
- Supply line consisting of gravity roller conveyor for transport of crates and mobile high pressure pump for cleaning of crates and processing plant
- Killing and plucking line consisting of overhead conveyor and shackles for suspension of live broilers
- Eviscerating line consisting of overhead conveyor and eviscerating shackles
- Weighting and grading
- Unloading station for unloading broilers
- Manual bagging with the aid of a packing hopper
- Manual portioning, according to sales demand

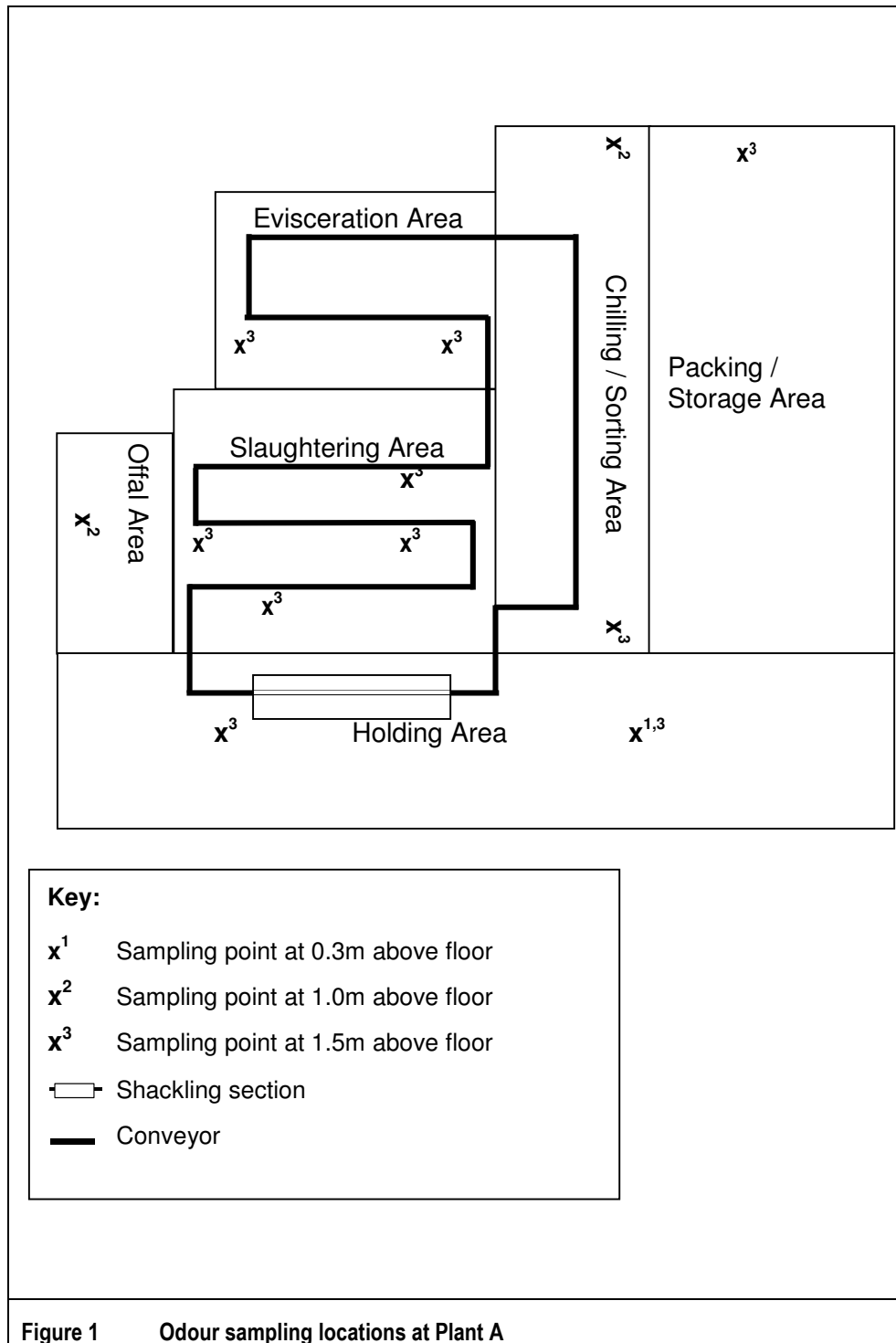
The offal and other waste are then handled manually and disposed to offal area. Wastewater is collected and directed to the municipal centralized water treatment plant for treatment.

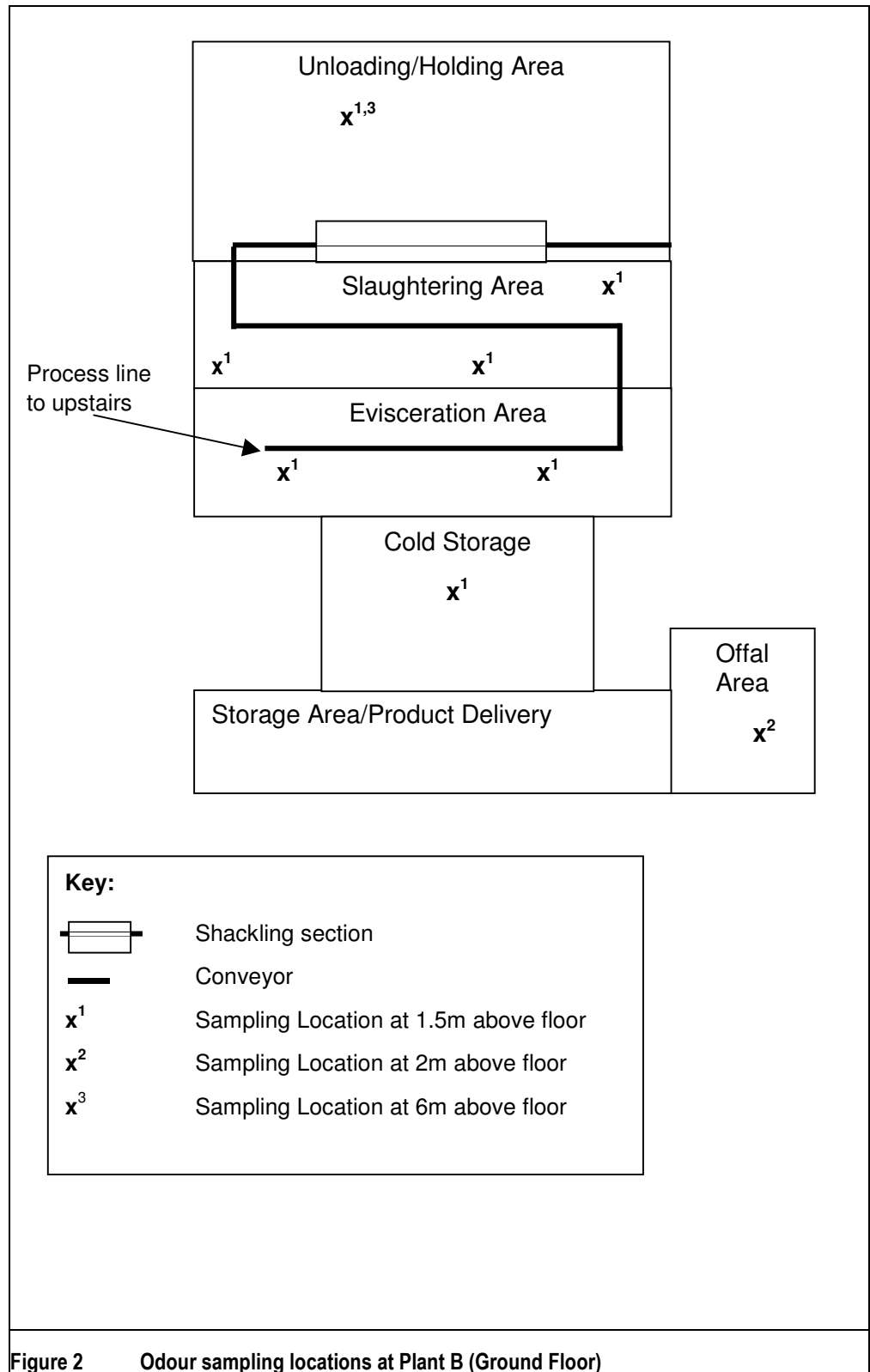
Plant B

The capacity of the storeys plant is 4,000 birds per hour. The operation hours starts from 18:00 to 01:00. The ground floor is designed for receiving live birds, slaughtering and evisceration plus the cold room and product dispatch. The first floor is designed for water chilling, weighing, cutting and deboning as well as cold storage area. The operation processes are as follow:

- Livebird receiving section: automatic crate handling system with destacker and stacker to save production space.
- Killing section: overhead conveyor, water stunner, water scalding, tunnel plucker, auto transferring and shackle cleaner.
- Evisceration section: conveyor, auto vent cutter, auto opener, auto eviscerator (new generation ACE), inspection line and other accessory item for handling giblet packs.
- Chilling section: water chiller plus quick chilling Weighing section: online weighing system with drop-off station for sizing as well as belt weighing for parts.
- Cutting /deboning section: some manual cut-up machine, as well as auto cut-up system, belt conveyor for manual deboning and some product packing system.

Odour Sampling Locations





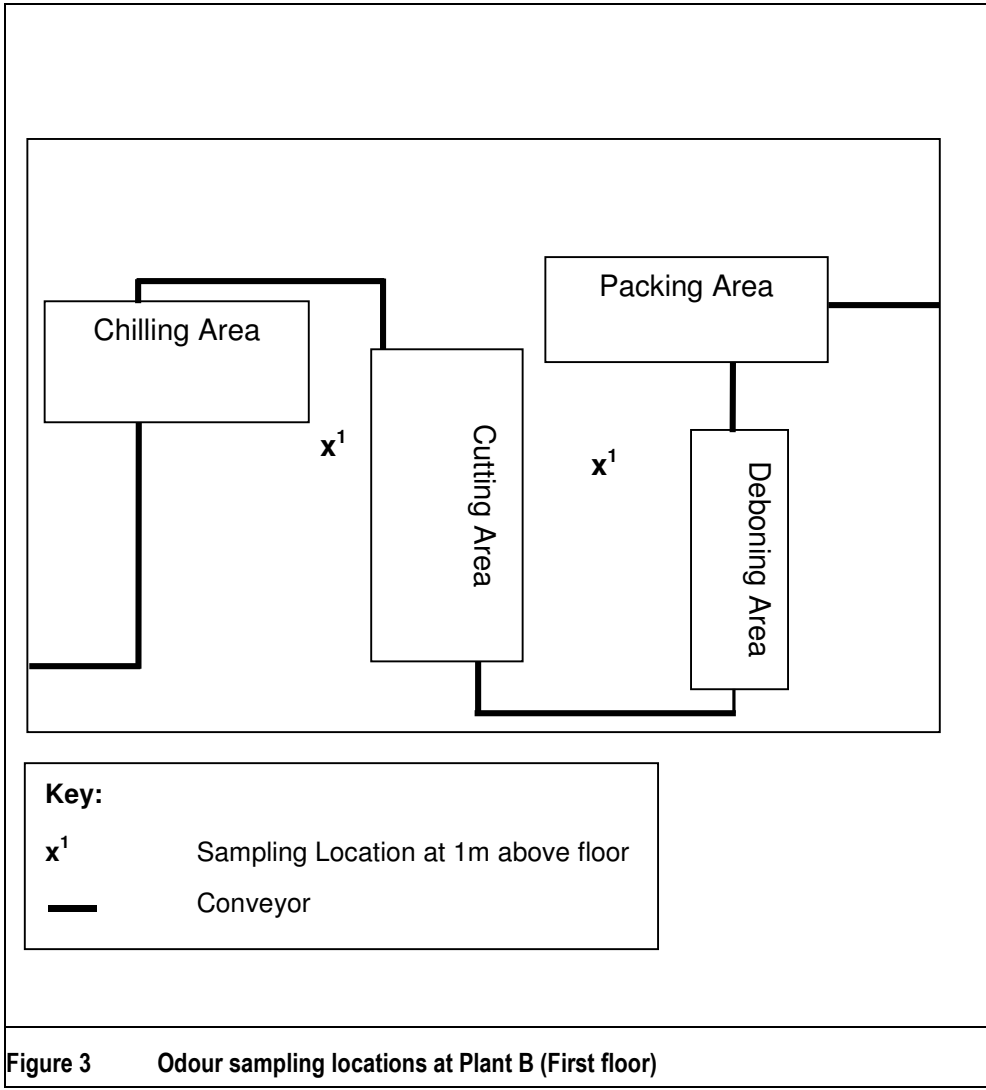


Figure 3 Odour sampling locations at Plant B (First floor)