

IFS Requirement 4.6.1

Adaptive Environmental Monitoring Scheme

The Requirement

4.6.1* Potential adverse impact on food safety and/or product quality from the factory environment (e.g. ground, air) shall be investigated. Where risks have been identified (e.g. extremely dusty air, strong smells), measures shall be documented, implemented and reviewed for effectiveness at least once within a 12-month period or whenever significant changes occur.



How to create your Adaptive Environmental Monitoring Scheme:

Step 1

Create Excel file with columns with the dimensions:

- Open product
- Cross contamination risk
- Physical traffic
- Contamination by employees
- Proximity of water, sewers, evaporators
- Hygienic equipment design
- Most recent pathogen count
- Most recent TPC

In the first column you insert all the locations which are part of your environmental monitoring scheme.

Step 2

Insert a scoring per dimension:

- 1 Not applicate / low risk
- 3 Medium risk
- 7 High risk

Step 3

Multiply all the scores per location and create a stratified monitoring frequency:

- Low score value -> quarterly monitoring
- Medium score value -> monthly monitoring
- High score value -> weekly monitoring
- Very high score value -> daily monitoring

Step 4

Review within 12-month period / changes

No.	Location	Open product	Cross contamination	Physical traffic	Contamination by employees	Proximity of water, sewers, evaporators	Hygienic equipment design	Most recent pathogen count	Most recent TPC	Total score	Frequency
1	Door machine 1	2	3	1	2	2	2	2	2	24	daily
2	Door machine 2	2	3	1	2	2	2	2	2	24	daily
3	Door machine 3	2	3	1	2	2	2	2	2	24	daily
4	Door machine 4	2	3	1	2	2	2	2	2	24	daily
5	Door machine 5	2	3	1	2	2	2	2	2	24	daily
6	Door machine 6	2	3	1	2	2	2	2	2	24	daily
7	Door machine 7	2	3	1	2	2	2	2	2	24	daily
8	Door machine 8	2	3	1	2	2	2	2	2	24	daily
9	Door machine 9	2	3	1	2	2	2	2	2	24	daily
10	Door machine 10	2	3	1	2	2	2	2	2	24	daily
11	Door machine 11	2	3	1	2	2	2	2	2	24	daily
12	Door machine 12	2	3	1	2	2	2	2	2	24	daily
13	Door machine 13	2	3	1	2	2	2	2	2	24	daily
14	Door machine 14	2	3	1	2	2	2	2	2	24	daily
15	Door machine 15	2	3	1	2	2	2	2	2	24	daily
16	Door machine 16	2	3	1	2	2	2	2	2	24	daily
17	Door machine 17	2	3	1	2	2	2	2	2	24	daily
18	Door machine 18	2	3	1	2	2	2	2	2	24	daily
19	Door machine 19	2	3	1	2	2	2	2	2	24	daily
20	Door machine 20	2	3	1	2	2	2	2	2	24	daily
21	Door machine 21	2	3	1	2	2	2	2	2	24	daily
22	Door machine 22	2	3	1	2	2	2	2	2	24	daily
23	Door machine 23	2	3	1	2	2	2	2	2	24	daily
24	Door machine 24	2	3	1	2	2	2	2	2	24	daily

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