

Shenzhen Environmental Printed Circuit Board Company

Environmental Instruction

Land Contamination Control

(EI-08)

Revision No. : 1

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Revision History

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1.0 Purpose

According to the related legal requirements, this instruction outlines the practices to be adopted to prevent and reduce land contamination in order to protect the land environment of the company.

2.0 Scope

This instruction is applicable to the practice of land contamination control carried out by the plant in Shenzhen.

Potential land contamination comes from the chemical storeroom and dangerous goods storage areas for chemicals, which include: acids, alkaline, corrosive chemicals (peroxides), and other chemicals solutions; and

Potential land contamination may also come from the waste storage areas for general refuse, chemical wastes, metal wastes and packing wastes.

3.0 Procedure**3.1 Management area :**

- Chemical storeroom
- Dangerous goods storage place
- Waste storage area

3.2 Land contamination control :

- 3.2.1 Protective facilities against wind and rain shall be installed for solid waste storage areas. They can prevent solid / chemical wastes from causing land contamination during typhoon or heavy raining.
- 3.2.2 Wastes from the plant shall be handled and disposed by authorised contractors.
- 3.2.3 Responsible departments shall carry out the periodic maintenance and repair of the protective facilities in order to reduce leakage and prevent land contamination.
- 3.2.4 The activities that may create land contamination shall be avoided. For plants regulated by legislation and the use of harmful substances, preventative inspections and pre-evaluation shall be performed. Carry out pollution preventative actions if necessary.

3.3 Handling of land contamination:

- 3.3.1 When inspection results indicate the land contamination levels exceed legal requirements, Engineering Department and related departments shall find out the root causes of problem immediately, and report to EMR and implement the corresponding corrective actions.
- 3.3.2 Responsible departments shall follow EP-07 Enquiry / Complaint / Nonconformity Handling to analyse the causes of problem and implement corrective actions to prevent the problem from happening in future.

3.4 Emergency practices :

- 3.4.1 If large scale of oil, chemicals and wastewater leakage/spillage occurs, responsible departments shall follow EP-05 Environmental Emergency Preparedness and Response.

4.0 Monitoring and Checking

- 4.1 Periodic inspection shall be performed on potentially contaminated areas to ensure

the lands are properly protected for those facilities. If abnormal situations or incidents that may lead to potential contamination are noticed, Engineering Department shall apply (via EMR approval) and appoint qualified environmental inspection organizations to carry out land inspection. The inspection result shall be compared with the relevant legal requirements, the final result shall be submitted to EMR.

5.0 Records

Record Description	Record Location / Retention Responsibility	Minimum Retention Time
Machinery maintenance and repair report (Refer to individual maintenance and repair records from contractors)	Engineering Department	3 years
Workplace environmental inspection record (land) EF-EI08-01	Plant Manager / Engineering Department	3 years
Land environmental quality standard (Refer to inspection records conducted from contractors (inspection center))	Engineering Department	3 years

6.0 Appendix

Appendix 1 : Workplace environmental inspection record (land) EF-EI08-01

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