

Institute of Environmental Sciences and Technology

IEST-RP-CC041.1

Contamination Control Division
Recommended Practice 041.1

**Planning for Recovery from
Disruption to Cleanrooms and
Other Controlled Environments**



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1 SCOPE AND LIMITATIONS

1.1 Scope

This Recommended Practice (RP) provides guidance for identifying possible events and conditions that can cause abrupt environmental disruption to cleanroom operations. The contents of this RP can be used to guide and assist cleanroom management to proactively identify such disruptive events specific to the cleanroom. Detailed planning should lead to documented standard operating procedures (SOPs) and actions that can be rehearsed to effectively restore the cleanroom to environmental operating conditions within specification.

1.2 Limitations

This RP does not address the recovery and disposition of affected products. Details for restarting and requalifying process equipment are also not provided in this document. Due to the unique nature of damage from disruptive events, procedures for restarting, repairing, or reconstruction of a cleanroom or other controlled environment will be addressed only in general terms.

This RP does not address health and safety of personnel, but these factors should be considered when developing a site-specific procedure.

2 REFERENCES

The following documents are incorporated into this RP to the extent specified herein. Users should apply the most recent editions of the references.

2.1 Reference Documents

IEST-RP-CC006: Testing Cleanrooms

IEST-RP-CC018: Cleanroom Cleaning and Sanitation: Operating and Monitoring Procedures

IEST-RP-CC031: Method for Characterizing Outgassed Organic Compounds from Cleanroom Materials and Components

IEST-RP-CC034: HEPA and ULPA Filter Leak Tests