AHS Provincial Medical Device Reprocessing Working Group

# **Standard Operating Procedure**

# **Contingency Plans for Large Scale Inventory Loss (i.e. Excessive Humidity in Sterile Storage Room)**

Document #: A1.18

Initial effective date: October 2017 Last updated: February 2020 Next review: February 2023

#### **OBJECTIVES**

- Identify a strategy for managing inventory problems as a result of climate-control failure (temperature & humidity) or water leaks in storage or work areas.
- Identify a strategy to minimize impact to MDR customers including the OR, internal and external units, and departments.
- Identify key contacts and staff responsibilities in the context of restoring and maintaining daily operations.
- Identify a back-up plan to cover temporary inventory shortages.

### **APPLICABILITY**

Compliance with this document is required by all Alberta Health Services employees, members of the medical and midwifery staff, students, volunteers, and other persons acting on behalf of Alberta Health Services (including contracted service providers as necessary) working within Medical Device Reprocessing.

#### **ELEMENTS**

- Temperature and humidity Issues
  - 1.1 If temperature or humidity levels fall outside CSA recommended parameters, the MDR Manager or designate will take action to prevent contamination of inventory (adapted from Z314.3-09)

Original date: October 2017

Revised date: February 2020



Original date: October 2017

Revised date: February 2020

areas. Relative humidity 50%.	naintained between 18°C and 20°C for soiled areas and 18° C and 23°C for clean shall be maintained between 30% and 60% and preferable in the range of 40% to the stored in Decontamination.
Action 1: At 50% relative humidity and/or a temperature at 20°C	<ul> <li>Immediately initiate corrective action by notifying FM&amp;E of excess humidity and/or temperature reading in affected areas and request corrective action.</li> </ul>
Action 2:  If greater than 60%relative humidity and/or a temperature greater than 20°C	Consult with staff to determine comfort levels and ensure safe work conditions.
Action 3: If next humidity reading 24 hours later is still higher than 60% relative humidity and/or a temperature higher than 23°C	Perform a risk assessment to determine safe work conditions for staff.

- 1.2 Provide updates of the event to the next level of management (OR Manager, Site Administrator, IP&C and Director) affected units and departments and MDR staff as required.
- 1.3 Provide direction and assistance to MDR staff.
- 1.4 Communicate with all affected units and departments to determine potential impact to booked and emergency cases.
- Coordinate the reprocessing of all suspect or visually contaminated supplies, packages, sets & trays.
- 1.6 Determine the need for additional staff and supplies and follow-up as required:
  - Contact Contracting, Procurement & Supply Management (CPSM) and vendors to facilitate assistance with required supplies;
  - Evaluate staffing needs and schedule additional staff as required; b)
  - Consult with other sites to assist with production support and loaner instruments as required.
- Complete all required documentation:
  - Reporting and Leaning System (RLS) online report
    - Date and time of disruption (from time of notification to resolution)
    - (ii) Steps taken to resolve the issue(s).
    - (iii) Cause of disruption, for example, system error, user error

Original date: October 2017

Revised date: February 2020

(iv) Impact to affected units and departments



b) Provide a post-action report to next level management and appropriate stakeholders including an incident summary and a response assessment.

#### 2. Water leaks

- 2.1 When concerns of water leakage are recognized, the MDR Manager or designate will:
  - a) Contact FM&E to report any concerns with water leakage which has or may potentially contaminate MDR inventory and supplies.
  - b) Provide updates of the event to the next level of management (Operating Room Manager, Site Administrator, IP&C and Director) affected units and departments and MDR staff as required.
  - c) Provide direction and assistance to MDR staff.
  - d) Communicate with all affected units and departments to determine potential impact to booked and emergency cases.
  - e) Coordinate the reprocessing of all suspect or visually contaminated supplies, packages, sets & trays.
  - f) Determine the need for additional staff and supplies and follow-up as required:
    - (i) Contact CPSM and vendors to facilitate assistance with required supplies.
    - (ii) Evaluate staffing needs and schedule additional staff as required.
    - (iii) Consult with other sites to assist with production support and loaner instruments as required.
    - (iv) Complete all required documentation in the Reporting and Leaning System (RLS) online report
      - Date and time of disruption (from time of notification to resolution)
      - Steps taken to resolve the issue(s)Cause of disruption, for example, system error, user error
      - Impact to affected units and departments.
    - (v) Provide a post-action report to next level management and appropriate stakeholders including an incident summary and a response assessment.

Original date: October 2017

Revised date: February 2020

#### **DEFINITIONS**

None



# **REFERENCES**

- Alberta Health Services governance documents
  - o Critical and Semi-Critical Single-Use Medical Devices AHS Policy (#PS-07-2012)

Original date: October 2017

Revised date: February 2020

- Non-Alberta Health Services documents
  - Canadian Medical Device Reprocessing. (Canadian Standards Association) (CAN/CSA Z314-18)

# **VERSION HISTORY**

Date	Action taken
October 2017	Initial approval
February 2020	Last updated
February 2023	Next revision date