

INFECTION CONTROL RISK MANAGEMENT IN MEDICAL FACILITIES

1. Copier/Printer Room

- Ozone
- VOCs
- MVOCs

34. Terrorism 1st Responders Area

- Viral Contamination
- Bioterrorism Contamination
- Sterilization Chemical Hazard
- Biological Weapons

33. Infectious Waste Incinerator

- Improper Combustion
- Dioxin/Furan
- Bloodborne Pathogens

32. Emergency Room/ICU

- Bloodborne Pathogens
- *Staphylococcus aureus*/MRSA
- Tuberculosis
- Environmental Mycobacteria
- Nosocomial Infection
- Nosocomial Pathogens
- Viruses/H1N1
- Hazardous Waste
- Hazardous Drugs
- Biofilm
- *Clostridium Difficile*

31. Pharmacy

- Hazardous Drugs
- Hazardous Waste
- USP797 (Mold/Bacteria)

30. Laundry Room

- Hazardous Chemicals
- Bloodborne Pathogens (Improper PPE)
- Particulates (Lint)
- Improper Venting
- Environmental Mycobacteria
- *Staphylococcus aureus*/MRSA
- *Clostridium Difficile*

29. Recovery Room/Patient Room

- Bloodborne Pathogens
- Nosocomial Infections
- Cleaners/Disinfection Chemicals
- Inadequate Ventilation
- Improper Filtration
- *Staphylococcus aureus*/MRSA
- Environmental Mycobacteria
- Viruses/H1N1
- *Clostridium Difficile*

28. Dialysis Room

- Bloodborne Pathogens
- Vascular Infections
- Environmental Mycobacteria
- *Staphylococcus aureus*/MRSA
- Biofilm
- *Clostridium Difficile*

27. Surgical Room

- Nosocomial Infections
- Bloodborne Pathogens
- Hazardous Chemicals (Methyl Methacrylate, etc.)
- Ethylene Oxide/Glutaraldehyde (Sterilization Chemical Hazard)
- Condensation in Compressed Gas Lines (Bacteria)
- Laser Plumes
- Environmental Mycobacteria
- *Staphylococcus aureus*/MRSA
- *Clostridium Difficile*

26. X-Ray Room

- Tuberculosis
- Inadequate Ventilation
- Exposure to Bloodborne Pathogens
- Environmental Mycobacteria
- Cross Contamination
- *Staphylococcus aureus*/MRSA
- *Clostridium Difficile*

2. Storage/Cleaning Room

- Cleaning Products (VOCs)
- Disinfectants
- Non-HEPA Vacuum/Contaminated Equipment
- Standing Water
- Aerosolized Waste

3. Employee Lounge/Break Room

- Foodborne Pathogens (*Salmonella*/*Listeria*/*E. Coli*)
- Water Cooler/Waterbone Pathogens
- *Staphylococcus aureus*/MRSA
- Bacteria in Ice Machines

4. Conference Room

- VOCs
- Particulates
- Improper Air Exchange
- Nosocomial Pathogens
- *Staphylococcus aureus*/MRSA
- Bacteria

5. Structural Areas

- Ice Dams/Gutter Obstructions
- Improper Vapor Barriers
- Exterior Cracks
- Poor Construction

6. Office/Clerical Room

- Computers (VOCs)
- Improper Ventilation
- Nosocomial Pathogens

7. Bathroom/Locker Room

- VOCs
- Cleaning Products (VOCs)
- Sewage Gas
- Water Leaks (Mold/Bacteria/Viruses)
- MRSA-Dirty Clothes
- *Staphylococcus aureus*/MRSA

8. Cafeteria

- Foodborne Pathogens (*Salmonella*/*Listeria*/*E. Coli*)
- Environmental Mycobacteria
- Water Leaks (Mold/Bacteria)
- Tuberculosis
- Cleaning/Disinfection Chemical
- Off-gassing
- Exposure to "Red Bagged" Contaminated Trays

9. Interior Water Sources

- Dishwasher/Sinks
- Clothes Washer
- Toilets/Shower heads
- Leaky Pipes/Fire Sprinkler
- Water Heater
- Drinking Fountains
- *Staphylococcus aureus*/MRSA
- Waterborne Pathogens (*Legionella*/*E. Coli*/*Cryptosporidium*/*Giardia*/*Campylobacter*/*Bhalococcoides*/*Salmonella*/*Listeria*/*Clostridium*)

10. Cooling Tower

- Legionnaire's Disease
- Pontiac Fever
- Humidifier Fever
- Improper Use of Biocides
- Elevated Humidity
- Bacteria/Mold

11. Birds

- Droppings
- Histoplasmosis
- Cryptococcosis
- Psitticosis

12. Intake Vent

- Cross Contaminated Air/Exhaust Entrainment
- Improper or Lack of Filtration
- Improper Sizing
- Intake Damper Obstruction
- Internal/External Construction Dust
- Impact from Outparcel Construction

13. Exhaust Vent

- Entrainment Into Air Intake
- Excessive Exhaust Causing the Structure to have Negative Pressure
- Improper Sizing

14. Building Maintenance

- Non-HEPA Vacuum
- VOCs from Cleaning Products
- Machinery Exhaust
- Fungicides
- Improperly Trained Staff

15. Trash Containers

- MVOCs
- Bacteria/Fungi
- Avian Pathogen
- Particulates
- Endotoxins

16. Loading Dock

- Exhaust/Combustion Fumes
- Carbon Monoxide
- Chemical Storage/Spills
- Outdoor Air Entry Portal Bypassing
- Proper Filtration
- Standing Water

17. Boiler Room

- Improper Combustion (Particulates/Gases)
- Improper Ventilation/Down-Drafting
- Poor Filtration
- *Legionella* from Improperly Heated Water Tank
- Waterborne Pathogens

18. Plants

- Fungi
- Fungicides
- Standing Water (Waterborne Bacteria)

19. Moisture Intrusion

- Building Leaks
- Wicking of Moisture (Slab/Walls/Roof)
- Improper Exterior Grading
- Improper Vapor Barriers

20. Carpeting/Flooring

- Potential Microbial Reservoirs
- VOCs
- Non-HEPA Vacuuming
- Improper Cleaning

21. Ductwork/Ventilation

- Unbalanced System
- Contaminated Ductwork
- Improper/Inadequate Filtration
- *Legionella* Risk from Cooling Towers
- Poor Ventilation Design
- Lack of Scheduled Maintenance

22. Nursery

- Cross Contamination
- Bio-Med Equipment
- Viruses
- Biofilm
- Transmittable Diseases (Tuberculosis/SARS/etc.)

23. Ceiling Plenum

- Mold/Bacteria
- Dust/Debris

24. Hospital Laboratory

- Bloodborne Pathogens
- Formaldehyde/Toluene/Xylene/Acrylamide
- Tuberculosis
- Nosocomial Pathogens
- Bacteria

25. Active Construction

- Dust/Particulates
- Paints/Stains/Solvents (VOCs)
- Exposure to Bloodborne Pathogens
- Environmental Mycobacteria
- Mold/Bacteria
- *Staphylococcus aureus*/MRSA
- Improper/Break In Containment
- Hot Works Issues
- Dead Legs/*Legionella*



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