

DIRECT OPERATING MANDATE: HOUR ZERO-TO-ONE FIRST RESPONSE

A water loss in an occupied hospital is a clinical event, not a simple property claim. Structural work cannot begin until the 4-function command group is convened, ICRA classification is signed off in writing, and containment barriers are isolated from clinical supply and return air.

Hour 0-to-1 Mandatory Call Tree (4 Functions at the Table)

- 1

ICRA Supervisor (Restoration): ASHE-credentialed lead on site. Assesses breach, dust risk, and differential pressure.
- 2

Facilities Director: Isolates source, confirms mechanical/HVAC isolation, identifies shutoffs and egress paths.
- 3

Biomedical Engineering (HTM/CE): Institutional owner of clinical assets. Leads all equipment power-down and triage.
- 4

Infection Prevention (IP): Authorizes containment level, inspects anteroom plans, signs written ICRA permit.

Biomed-as-Co-Responder Rule (The Decision Split)

Restoration Leads (Environment)	Biomed Leads (Equipment)
<ul style="list-style-type: none">• Negative-pressure barrier build• HEPA exhaust & pressure sensor• Water extraction & drying• Environmental logging (T/RH)• Anteroom PPE transition	<ul style="list-style-type: none">• Equipment power-down sequence• Stay-in-place vs move decisions• Clinical unit handoff coordination• OEM/ISO service vendor dispatch• Return-to-service testing sign-off

CRITICAL SAFETY EXCLUSION — MRI CRYOGEN SYSTEMS:

Never touch, move, or manipulate MRI cooling or cryogen exhaust systems. Breaking manufacturer vacuum or vent lines causes catastrophic quench and total equipment loss. Stop and verify with Biomed before entering any RF-shielded imaging suite!

ASHE ICRA 2.0 Classification Snapshot

Patient Risk Group	Clinical Population & Area Description	Type A (Inspect)	Type B (Small)	Type C (Moderate/Demo)	Type D (Major Demo)
Group 1 (Low)	Office areas, administrative spaces, non-clinical corridors	Class I	Class II	Class II	Class III / IV
Group 2 (Medium)	General inpatient units, outpatient exam rooms, physical therapy	Class I	Class II	Class III	Class IV
Group 3 (Medium-High)	Emergency department, labor & delivery, pediatrics, geriatrics	Class I	Class II	Class III / IV	Class IV
Group 4 (Highest)	ICU, Oncology, Burn units, OR suites, Dialysis, NICU, Bone Marrow	Class II	Class III / IV	Class IV	Class IV

* Note: Upstream or downstream HVAC duct connections to Group 3 or 4 areas automatically translate Class II structural losses into Class IV containment requirements.

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SERIES

Hospital First-Response Quick Card: Equipment Triage & Containment Protocol

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Hour 1-to-4 Containment Checklist

- **Barrier Construction:** Hard-wall or heavy poly with airtight perimeter seal to slab and ceiling deck.
- **Differential Pressure:** Continuous negative pressure relative to clean areas; differential pressure sensor installed and alarming.
- **HEPA Filtration:** Sealed negative-air exhaust ducted outside or into dedicated exhaust ducts approved by Facilities/IP.
- **Anteroom Air Lock:** Dual-chamber or single anteroom for full PPE change-out before stepping into clinical corridors.
- **Dedicated Debris Path:** Sealed waste bags wiped down in anteroom before transport via designated service elevator.
- **HVAC Lockout:** Supply and return dampers locked and sealed to prevent particulate migration into hospital air system.

Equipment Triage Salvage Categories

- **Category A (In-Place Recovery):** Dry, stabilized via environmental control (65–75°F, 30–50% RH). Inspected and recertified by internal Biomed on site.
- **Category B (Off-Site OEM/ISO):** Wet or soot-exposed. Packed out in anti-static, climate-controlled transport for OEM/ISO bench recertification.
- **Category C (Probable Total Loss):** Direct submersion of non-sealed sensitive electronics or unrecoverable contamination. Asset tagged for carrier salvage.
- **Category D (Mission-Critical / Irreplaceable):** Vital clinical imaging or lab instruments requiring priority triage, emergency OEM dispatch, and immediate preservation.

HIPAA & GxP CHAIN-OF-CUSTODY MANDATE:
Any device containing memory or storage (imaging archives, EMR workstations, bedside monitors, LIS terminals) must have an active Business Associate Agreement (BAA) and documented access logging. Research equipment subject to GLP/GCP/GMP requires QA review before any movement or packout.

First-Hour On-Scene Execution Form (Tear-Off Sign-Off)

Facility Name:	_____	Incident Location/Unit:	_____
Date & Time (Arrival):	____/____/2026 ____:____	Incident Type:	☐ Water ☐ Smoke ☐ HVAC ☐ Sewage
Adjacent Patient Group:	☐ Grp 1 ☐ Grp 2 ☐ Grp 3 ☐ Grp 4	Work Activity Type:	☐ Type A ☐ Type B ☐ Type C ☐ Type D
Governing ICRA Class:	☐ Class I ☐ Class II ☐ Class III ☐ Class IV	Negative Pressure Target:	-0.020 in. w.g. or facility standard
Role	Printed Name	Signature	Cell / Beeper
ICRA Supervisor	_____	_____	_____
Facilities Director	_____	_____	_____
Biomedical Eng (HTM)	_____	_____	_____
Infection Prevention	_____	_____	_____