



Man-made and Natural Disasters (inclusive of construction)

Four Foundational Peer-Review Articles + Supplemental Tools



Article #3: WMC-ICRA Infection Control Risk Assessment (healthcare occupancy) 

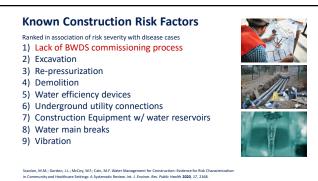
## Article #4: BWQC Building Water Quality

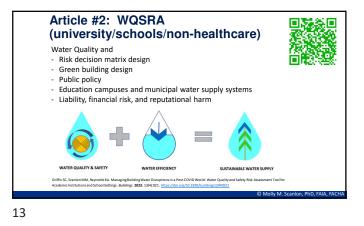
Commissioning Project Scheduling (healthcare occupancy)



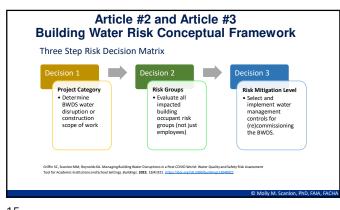
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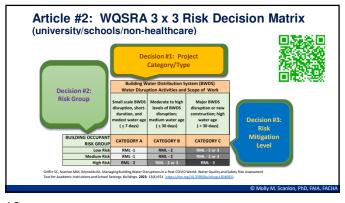


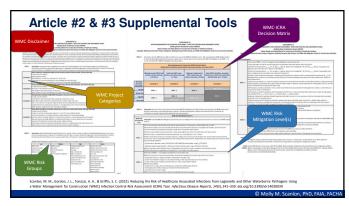


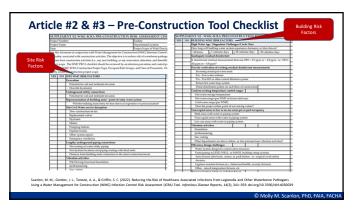


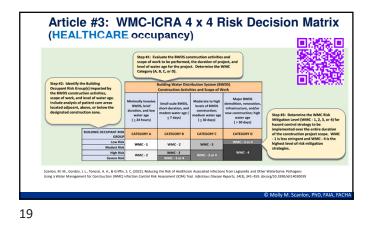
Risk Decision Matrix	X-axis = Severity or Consequence of Situation					
	Basic cell format 3 × 3 cells		it	Possible expansion cell format (4 × 4 cells) (5 × 5 cells)		
	Low Impact	Minimal	Medium	Major	Failure	
Very Unlikely	RML 1	RML 1	RML 2	RML 4	RML 4	
Unlikely	RML 1	RML 2	RML 3	RML 4	RML4	
Possible	RML 2	RML 2	RML 3	RML 4	RML 5	
Probable	RML 2	RML 3	RML 4	RML 5	RML 5	
Certainty	RML3	RML 3	RML 5	RML 5	RML 5	
	Z box =	Z box = resultant for establishing risk mitigation level (RML)				

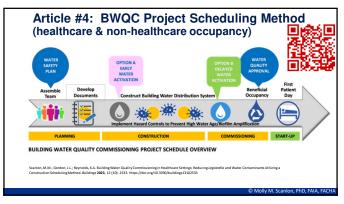




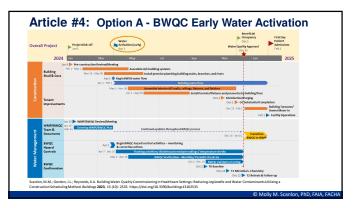


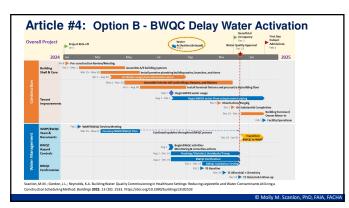


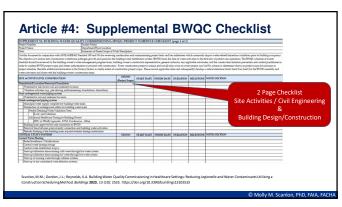












## What other A/E/C process impacts should you consider?

- 1) Design guidelines for building water systems and fixtures
- 2) Owner contracts general conditions/requirements, supplemental instructions to the contractor
- 3) Specification Section on building water quality commissioning
- 4) Utility disruption procedures
- 5) Safety or Infection control and mitigation policies
- 6) Specialty or medical equipment installation procedures 7) Test and inspection requirements
- 8) Transition planning
- 9) Licensing or accreditation for patient care operations
- 10) Emergency or water disruptive events



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4 Foundational Research Articles + **Supplemental Tools** Article #2: WQSRA Water Quality and Article #3: WMC-ICRA Article #4: Article #1: BWQC Building Water Quality Systematic Review Infection Control Water Management for Commissioning Project Scheduling (healthcare occupancy) Safety Risk Assessment Risk Assessment Construction (WMC) (university & schools -**Risk Factors** (healthcare occupancy) nonhealthcare) 回新税回 回転義回 巡回 



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