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<https://files.asprtracie.hhs.gov/documents/aspr-tracie-healthcare-system-preparedness-considerations-speaker-series-summary.pdf>

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T R A C I E

HEALTHCARE EMERGENCY PREPAREDNESS
INFORMATION GATEWAY

Healthcare System Preparedness Considerations Speaker Series City of Jackson Water Crisis Response



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MISSISSIPPI STATE DEPARTMENT OF HEALTH



COJ Water Crisis Response

2022/2023

Jim Craig, MPH
Incident Commander

City of Jackson – Water Crisis Response

- Surface water system was impacted by flooding
- City lacked sufficient pressures in some areas to sustain adequate access to flush toilets and maintain optimal disinfection for drinking water
- Both surface water treatment plants (O.B. Curtis and J.H. Fewell) lacked sufficient Class A water plant operators and maintenance staff



J.H. Fewell Intake from Pearl River

City of Jackson – Water Crisis Response

- Two surface water treatment plants
 - O.B. Curtis
 - Conventional Treatment Plant
 - Authorized for 25 million gallons per day
 - Membrane Treatment Plant
 - Authorized for 25 million gallons per day
 - J. H. Fewell
 - Conventional Treatment Plant
 - Authorized for 20 million gallons per day
 - Has the potential to flex to 30 million gallons per day
- Well system



J.H. Fewell Water Treatment Plant

O.B. Curtis Water Treatment Plant - Source



City of Jackson – Water Crisis Response

- **State Health Officer Public Drinking Water Emergency**
 - Order ends at midnight on 24 Feb 2023 (180 days)
 - 42 MSDH responders on orders
- **Governor declared State of Emergency**
 - Order ended at midnight on 22 Nov 2022
- **Federal declaration under Stafford Act**
 - Declaration ended on 28 Nov 2022



City of Jackson – Water Crisis Response

- **Unified Command**
 - City of Jackson
 - Hinds County
 - Mississippi State Department of Health
 - Mississippi Emergency Management Agency
 - EPA
 - FEMA
 - US Army Corps of Engineers



City of Jackson – Water Crisis Response



MISSISSIPPI STATE DEPARTMENT OF HEALTH

- EMAC Assistance
 - Mt. Pleasant Water, SC
 - Spartanburg Water, SC
 - WSSC Water, MD
 - Anne Arundel County Dept. of Public Works, MD
 - Surprise, AZ
 - Greater Cincinnati Water Works, OH
 - Littleton Water Dept., MA
 - Central Arkansas Water, AR
 - Michigan
 - Minnesota
 - Louisiana
 - New York
 - Florida Rural Water
 - Georgia Rural Water
 - Mississippi Rural Water



City of Jackson – Water Crisis Response

- U.S. District Judge Henry Wingate approved an Interim Stipulated Order
 - 29 Nov 2022
 - Appointed an Interim Third-Party Manager (ITPM)
 - Provides full power and authority necessary to carry out the requirements of the Order and all powers and authority to operate, maintain, manage, and control the system
- Current
 - Emergency Order and Unified Command ended 24 Feb 2023 (180-day operation)
 - New Operations and Maintenance Contract
 - International Company for Water and Wastewater Operations and Maintenance
 - Leak reduction
 - Dedicated teams continue to properly position valves and repair leaks to improve pressures throughout the city



Municipal Water Failure

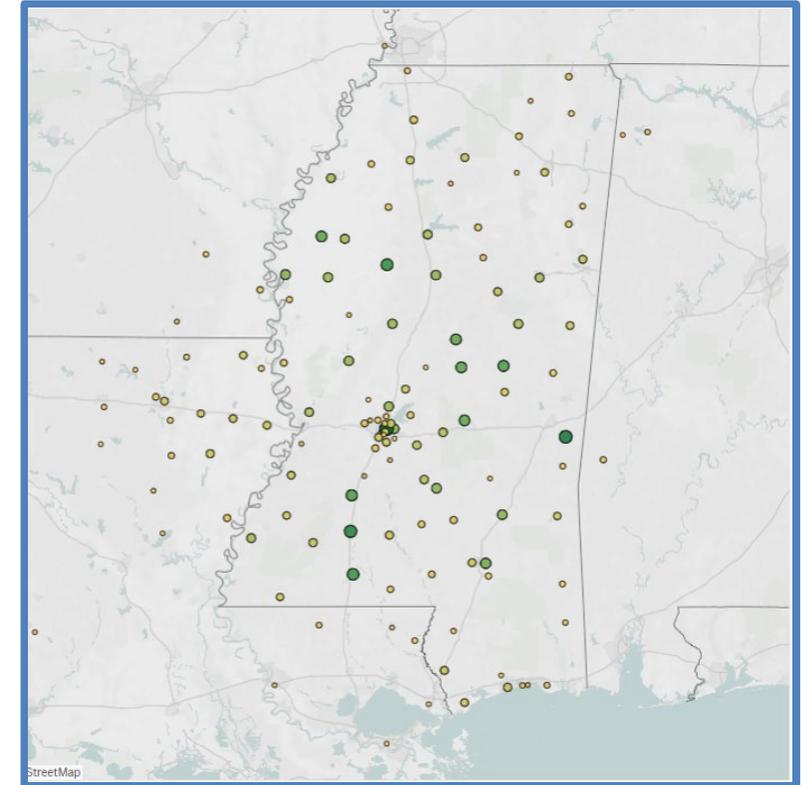
Tertiary Care Hospital

The Growing Impact of Infrastructure Failure

Damon A. Darsey, MD, FAEMS
Acute Care Consultant
Franciscan Missionaries of Our Lady Health System

Hospital Statistics

- Tertiary care hospital for primary population of ~500k persons
 - Secondary of 1.1 million persons
- Adult only hospital- non-trauma center
- Most adult ICU beds in our region
- Annual Water Failure Impact
 - Water tower installation – 2009
 - Water well installation – 2015 (600gpm)



Water— Where is the Water?

- Hospital Impact
 - Re-writing HVA
 - Off campus support buildings (daycare)
 - Clinics in impacted area
 - Dialysis centers- challenging intake and discharge
 - Redundancy- in water service?
 - Fire water- municipal services
 - Fire watch at a major medical center
 - HVAC
 - Private suppliers of water, portable toilets, hand sanitizers
 - Redundancy municipal supply of a pressure related utility



Panel Discussion



Contact ASPR TRACIE



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