

City of Jackson Water Crisis 2022
Incident Command Brief 3
September 1, 2022

INCIDENT OVERVIEW: The City of Jackson Surface Water System was impacted by recent flooding. Both the O.B. Curtis and J.H. Fewell water treatment plants have reduced water output creating pressure problems in the system. The City lacks sufficient pressures in some areas of the City to sustain adequate access to flush toilets and maintain optimal disinfection for drinking water. Both O.B. Curtis and J.H. Fewell water treatment plants lack sufficient Class A Operators and maintenance staff.

TREATMENT FACILITY STATUS:

- **O.B. Curtis**
 - Conventional Treatment Plant:
 - Authorized for **25** million gallons
 - Capacity of **18** million gallons
 - Producing **12** million gallons
 - Membrane Treatment Plant:
 - Authorized for **25** million gallons
 - Producing **8** million gallons

- **J.H. Fewell**
 - Authorized for **20** million gallons
 - Potential flex to **30** million gallons
 - Producing **20 ½** million gallons

- **Tank/Well Status**
 - As of 1800HRS 9/1/2022, six city tanks are holding water at low levels and the city PSI was operating at 74.3PSI (O.B. Curtis 78.4PSI). According to the city engineer, the bare minimum city PSI should be operating at 65PSI. The Chastain tank will be the first tank to fill. At 0800hrs it was at 15.2ft as of 1800HRS it was at 19.97ft.

- **Surface Water Tank Levels**

- Byram: 0.14 ft.
- Chastain: 19.97 ft.
- Elaine: 1.81 ft.
- Forest: 16.33 ft.
- Livingston: 10.25 ft.
- Lynch: 10.45 ft.
- Magnolia: 23.10 ft.
- Northwest: 5.27 ft.
- Riverside: 16.75 ft.
- Suncrest: 0.0 ft.

- **Well System Tank Levels**

- Cedar Hills: 22.74 ft.
- Hwy. 18: 46.09 ft.
- Spring ridge: 42.31 ft.

CURRENT AND PLANNED OBJECTIVES:

- Assess and determine the status of the ammonia tank at O.B Curtis. Transition ammonia to holding container and create a structured plan on fixing potential leak.
- Conduct an assessment on the Automatic Intake Structure (located on the southwestern portion of the Ross Barnett Reservoir) that supplies O.B. Curtis. Determine functionality and viability of the automated intake system. Formulate a restoration plan. (assessment)
- Coordinate and document staffing needs as it pertains to treatment plants needs and assessments. (EMAC)

INCIDENT PERSONNEL DEPLOYED TO O.B. CURTIS:

- MISSISSIPPI EMERGENCY MANAGEMENT AGENCY: 8

- MISSISSIPPI DEPARTMENT OF HEALTH: 6
- CITY OF JACKSON: 12
- ENVIRONMENTAL PROTECTION AGENCY: 2
- US ARMY CORP OF ENGINEERS: 8
- CSPIRE: 3
- HINDS EMERGENCY MANAGEMENT AGENCY: 2
- FEDERAL EMERGENCY MANAGEMENT AGENCY: 6
- WIRELESS COMMUNICATIONS COMMISSION: 1

OBJECTIVE UPDATES:

AMMONIA TANK:

- Tank # 2 has been assessed and determined that there was a full repair
- Tank # 1 (40% Ammonia) valve leaking
 - Replacement valve on site
 - Working on repair of leaking valve

AUTOMATIC INTAKE STRUCTURE:

- Contractor conducted an assessment on the Automatic Intake Structure
- Collected intel from prior diving team regarding intake structure

STAFFING NEEDS:

- Emergency Management Assistance Compact
 - Requested Louisiana Department of Health Command Team
 - Pending Mission Ready Package
- Rural Water Emergency Assistance Collaborative
 - Florida Team A-Team 2-man team – Enroute
 - Florida 4-man Team – Pending
 - Georgia (Monroe) 1 man team to pre-scout, prior to team arrival