

Hurricane Laura

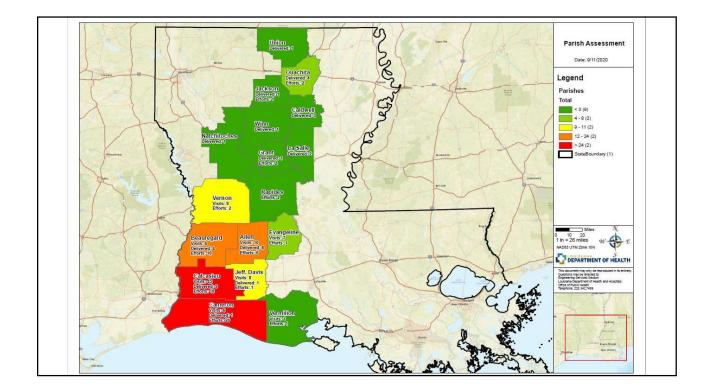
- Landfall near Cameron, LA on August 27, 2020 at 1:00 am CDT
- Category 4 150 mph winds
- Tied for strongest in Louisiana history, fifth strongest in U.S. history by wind.



Initial Field Response Overview

- Performed: 8/30/2020 9/4/2020
- Field Operations Office: LRWA office in Kinder, LA
- Water System Assessments: 92 in 8 Parishes
- Assets Delivered: 37 in 13 Parishes
- Workforce Aid: 63 crews in 11 Parishes
- Response Partners:
 - LDH Staff: 13 Members
 - USACE (FEMA): 5 Members
 - EPA: 4 Members
 - CDC: 2 Members
 - LRWA (LA); FRWA (FL); GRWA (GA); Mustang Utilities (TX); St. Charles Parish Water Works; City of Fort Payne, Al; ARWA (AR); MRWA (MS)





Water System Assessments

- 92 assessments in 8 parishes
- 13 LDH staff in 2-3 person teams with federal and local partners
- Presented Assessments:
 - City of Lake Charles
 - Calcasieu Parish WW District #8
 - Calcasieu Parish WW District #1
 - Town of Iowa
 - Quail Ridge Estates Water System
 - Cameron Parish WW District #10
 - Cameron Parish WW District #7
 - Cameron Parish WW District #1
 - Various RV and Trailer Parks

City of Lake Charles Water System – LA1019029 Date of Visit: 9/1/20 Status: INOP Population: 85,000

Current Status: All plants operational, repairs in progress, disinfection online, but some chemical injections down in certain parts of systems.



9/1/2020

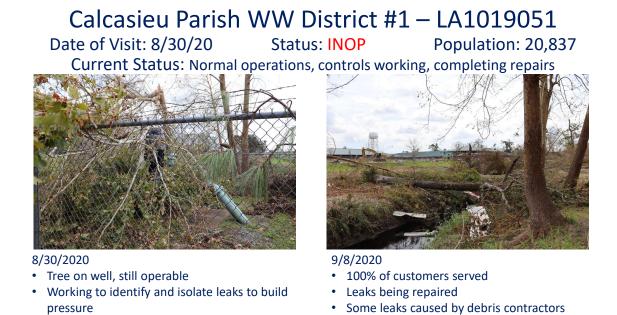
- All 6 wells are running at 50-80% capacity
- Low pressure due to damage throughout distribution system
- Treatment room completely leveled



9/8/2020

- 100% customers served.
- All sites have full treatment including filtration and disinfection.
- Pressure back to normal operations





• Water can be produced but distribution is limited by numerous main breaks





- Water system has a 500 kW generator from GOHSEP and a 500 kW backup from a local business
- Sustained minimal damage to water infrastructure

Quail Ridge Estates Water System – LA1019029

Date of Visit: 9/1/20 Status: INOP Population: 1,119 Current Status: Normal operations, plant completely re-piped and re-established.







9/1/2020

- All 4 storage tanks were upended and disconnected
- System needs new fence, tank reconnection, and electrical assessment to return to service.

9/4/2020

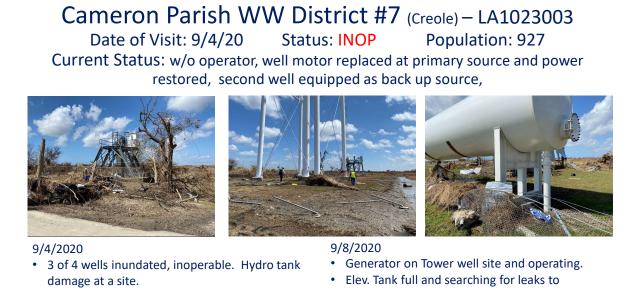
- 75% of repairs complete
- Generator on site when repairs are complete
- Expected production 9/9.



Cameron Parish WW District #10 – LA1023005

Current Status: Power restored, new control building completed, system submitting samples soon to clear BWA. Long term plan to rebuild elevated tank.





- Well/Tower site appeared to be operable.
- 8" main washout in section of distribution
- pressurize system.

Cameron Parish WW District #1 (Cameron) – LA1023001 Date of Visit: 9/4/20 Status: GENLP Population: 972

Current Status: 4 of 4 sources operational, power restored, samples submitted Nov. 23 for BWA







9/4/2020

- 2 of 4 wells operational with generator power.
- No treatment.
- Elevated tower with 50 psi.
- 70% of customers served.
- LRWA assisting to eliminate leaks in system

9/8/2020

- Leak elimination continuing
- Elev. Tank full and searching for leaks to pressurize system.

Various RV and Trailer Parks



Corbina Trailer Park – LA1019124



Phoenix MHP – LA1019109



Phoenix MHP – LA1019109



Miles MHP – LA1019125



Country Pines North – LA1019083 "Non Potable Water"

- Multiple RV and trailer parks sustained critical damage
- Damage includes destruction of entire trailers, water system infrastructure, or both

Hurricane Laura Event Summary

- 1302 total water systems assessed via email/phone (Marco/Laura)
 - ~250 systems were impacted by the storm
 - 103 systems at peak measure without water
 - 149 systems at peak measure with impaired service (BWA)
- 92 field assessments in 8 parishes in 4 days
 - 13 LDH staff in 2-3 person teams with federal and local partners
- Current Status:
 - 13 systems remain impacted (Laura/Delta)
 - 10 systems remain under a BWA
 - 3 systems remain without water service (INOP)





