

# Memo

To: Jason Bolenbaugh, Inspection Branch Manager-Water Division

Through: Kerri McCabe, Inspector Supervisor-Water Division

From: Travis Harmon, Inspector-Water Division

Date: August 24, 2015

Re: Sewer line rupture at 2816 Albert Pike, Hot Springs (occurred August 20, 2015); PDS# 086146

I arrived at approximately 10:45 on August 21, 2015 to assess clean-up and monitoring resulting from a line break, which occurred August 20, 2015 at 12:45. On scene were representatives with Garland Co Stormwater and Garland Co Emergency Management. The City reported that a 20 inch pressurized main ruptured and resulted in a discharge of 31,500 gallons of untreated wastewater. The discharge flowed along Albert Pike and across the parking lot of Cajun Boilers Resauraunt and entered Lake Hamilton. The sewer main was repaired at approximately 18:30 on August 20, 2015.

I met with Bobby Harris (Operations Manager-Hot Springs) who was overseeing clean-up at the site. Upon my arrival, Mr. Harris reported that they had washed the parking lot at Cajun Boilers, picked up large solids/debris, and sprayed the area with a disinfectant and applied lime. Mr. Harris also reported that they are re-evaluating the amount discharged; believeing the discharge was around 7,000 gallons. He also reported that the sewer main is newly installed; less than two years ago. I observed several areas where there was evidence of remaining solids (dried tissue) and standing puddles. City workers were taking Dissolved Oxygen (DO) and Fecal Coliform Bacteria (FCB)/E. coli samples. I directed they take a sample in the Lake at the point the discharge entered the lake as well as two samples to the north and one sample to the south (see map for approximate locations). I called Jason Bolenbaugh to inform of site activity. The affected area is restauraunt parking and has several docks/tie-ups for boaters to come in form the lake to eat. Due to the potential for human contact, we decided to have an employee parking area roped off.

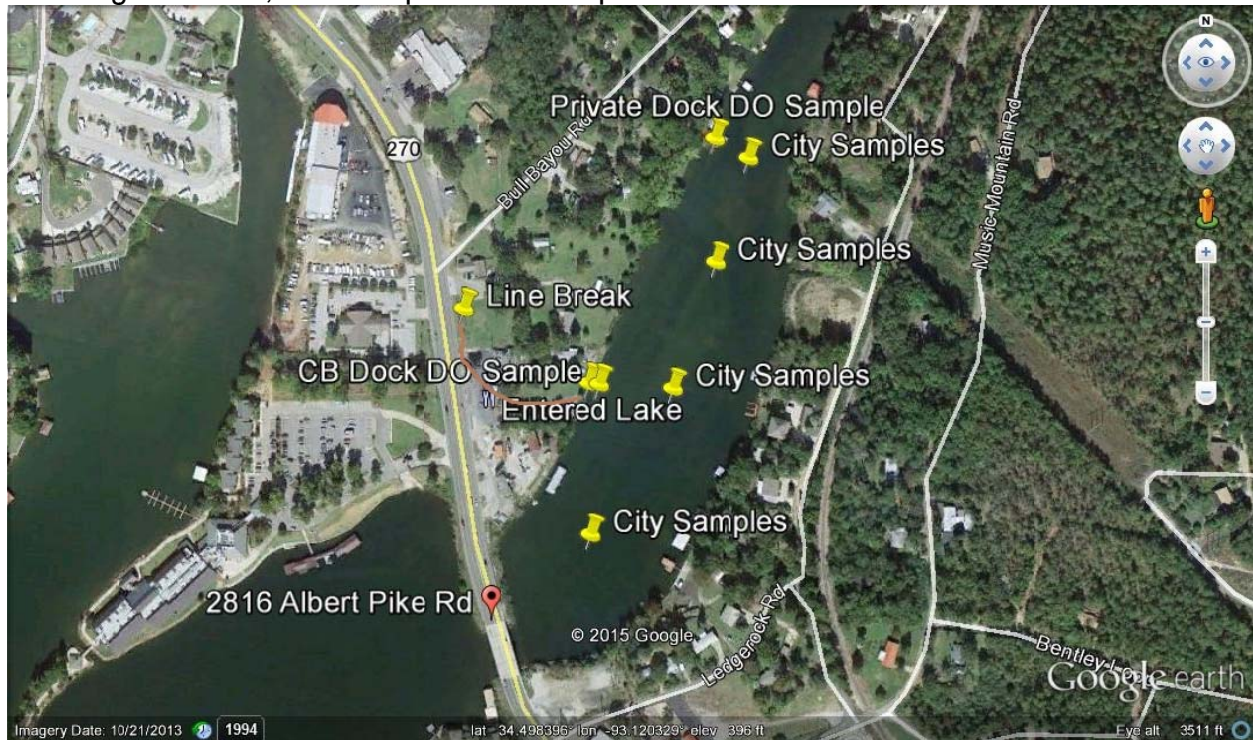
At approximatley 11:30, Dean Vanderhoff arrived and took lead. Mr. Harris was instructed to have a crew rake up any remaining visibe solids (primarily dissolved tissue) and affected leaf litter, and have a pump truck clean-up any puddled water. A street sweeper was brought in to clean the Cajun Boilers lakeside parking area. City workers then sprayed the area with additional disinfectant. Dean and I left at approximately 15:00 hours.

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I collected DO samples near the Cajun Boilers Dock as well as near a private dock to the north. Results were 7.42 mg/l (duplicate 7.40 mg/l) near the Cajun Boilers dock (collected at 11:42; temperature 28.5degC and 28.5degC) and 7.88 mg/l (duplicate 7.83 mg/l) near the private dock to the north (collected at 11:48; temperature 28.3degC and 28.3degC). There was no visible indication of the discharge (i.e., turbidity) in the lake as of my arrival on August 21, 2015. The City collected FCB/E. coli samples, which should provide indication if the lake has remediated.

Google Earth image showing approximated locations of the line rupture, flow path, lake discharge location, and sample collection points:



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## Water Division Photographic Evidence Sheet

Location:	Hot Springs sewer rupture 2816 Albert Pike.				
Photographer:	Travis Harmon	Date:	8/21/15	Time:	1054
Witness:	Bobby Harris			Photo #:	1
Description:	Area where line rupture occurred along Albert Pike; looking south.				



Photographer:	Travis Harmon	Date:	8/21/15	Time:	1055
Witness:	Bobby Harris			Photo #:	2
Description:	The discharge flowed across the Cajun Boilers parking lot and then left between the two buildings. The City washed this area of the parking lot clean prior to my arrival.				





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## Water Division Photographic Evidence Sheet

Location:	Hot Springs sewer rupture 2816 Albert Pike.				
Photographer:	Travis Harmon	Date:	8/21/15	Time:	1056
Witness:	Bobby Harris			Photo #:	3
Description:	Solids (dissolved tissue) and lime on property south of Cajun Boilers.				



Photographer:	Travis Harmon	Date:	8/21/15	Time:	1058
Witness:	Bobby Harris			Photo #:	24
Description:	Location where the wastewater entered lake Hamilton. Some solids (dissolved tissue) visible in grass.				



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## Water Division Photographic Evidence Sheet

Location:	Hot Springs sewer rupture 2816 Albert Pike.				
Photographer:	Travis Harmon	Date:	8/21/15	Time:	1111
Witness:	Bobby Harris	Photo #:	5		
Description:	Closer view of dissolved tissue (solids) indicative of a wastewater discharge.				



Photographer:	Travis Harmon	Date:	8/21/15	Time:	1351
Witness:	Dean VanDerhoff	Photo #:	6		
Description:	Solids and lime along fence at property south of Cajun Boilers.				





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## Water Division Photographic Evidence Sheet

Location:	Hot Springs sewer rupture 2816 Albert Pike.				
Photographer:	Travis Harmon	Date:	8/21/15	Time:	1357
Witness:	Dean VanDerhoff			Photo #:	7
Description:	Employee parking after raking.				



Photographer:	Travis Harmon	Date:	8/21/15	Time:	1358
Witness:	Dean VanDerhoff			Photo #:	8
Description:	Lakeside parking and docking area after raking.				



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## Water Division Photographic Evidence Sheet

Location:	Hot Springs sewer rupture 2816 Albert Pike.				
Photographer:	Travis Harmon	Date:	8/21/15	Time:	1358
Witness:	Dean VanDerhoff	Photo #:	9		
Description:	The City installed a walkway at the dock to reduce contact with affected soils/grass.				



Photographer:	Travis Harmon	Date:	8/21/15	Time:	1358
Witness:	Dean VanDerhoff	Photo #:	10		
Description:	Docking area and lake discharge point after raking.				





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## Water Division Photographic Evidence Sheet

Location:	Hot Springs sewer rupture 2816 Albert Pike.				
Photographer:	Travis Harmon	Date:	8/21/15	Time:	1405
Witness:	Dean VanDerhoff	Photo #:	11		
Description:	Property south of Cajun Boilers after raking.				



Photographer:	Travis Harmon	Date:	8/21/15	Time:	1441
Witness:	Dean VanDerhoff	Photo #:	12		
Description:	Street sweeper cleaning back (lakeside) parking area at Cajun Boilers.				

