

# Memo

To: Dean VanDerhoff, Emergency Response Section Manager  
From: Amy Beck, District 5 Field Inspector  
Through: Kerri McCabe, Inspector Supervisor  
Date: September 2, 2015  
Re: 15-0404 08-24 Garland – Sewage – Hot Springs

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Please find attached my report for the #11 pump station overflow near 2222 Airport Road in Hot Springs, AR. I arrived at the site on August 25, 2015 and I spoke with Mr. Randy Davis, City of Hot Springs employee. I have forwarded emails and photographs I have received from the City and Garland County for your file.

PDS# 086253

ADEQ - Water Division Spill/Incident Report		
ADEQ Incident #: <b>15-0404</b>	NRC #:	County: <b>Garland</b>
Date and Time of Incident: <b>Between Saturday, 8-22 and Monday, 8-24</b>		Date & Time Reported: <b>Monday, 8-24-15 at 1513</b>
Responsible Party: (Name/Company, Address, Phone) <b>City of Hot Springs James Sorrells 320 Davidson Drive Hot Springs, AR 71901</b>		Reported by: (Name/Company, Address, Phone) <b>Shawn Davis, Sewer Collection Manager City of Hot Springs 501-623-6981</b>
Location: <b>Reported at 2222 Airport Road, Hot Springs, AR 34.455945°; -93.162830°</b>		
Source: <input type="checkbox"/> Highway <input type="checkbox"/> Rail <input type="checkbox"/> Pipeline <input checked="" type="checkbox"/> Fixed Facility <input type="checkbox"/> Air <input type="checkbox"/> Vessel <input type="checkbox"/> UST <input type="checkbox"/> Unknown <input type="checkbox"/> Other:___		
Reported Cause: <input type="checkbox"/> Transportation Accident <input type="checkbox"/> Operational Error <input checked="" type="checkbox"/> Equipment Failure <input type="checkbox"/> Natural Phenomenon <input type="checkbox"/> Dumping <input type="checkbox"/> Unknown <input type="checkbox"/> Other:___		
Medium Affected: <input type="checkbox"/> Within Facility Only <input type="checkbox"/> Air <input checked="" type="checkbox"/> Land <input type="checkbox"/> Groundwater <input type="checkbox"/> Water (Name):___		
List Materials and Volumes: <b>7000 gallons raw sewage</b>		
Brief Incident Description: <b>Electrical malfunction at the lift station caused failure in one of the pumps. The lift station filled with sewage and overflowed the lift station, flowing east to a cross culvert on Airport Road, and then south to an ephemeral drainage.</b>		
Damages: <input type="checkbox"/> Injuries #:___ <input type="checkbox"/> Deaths #:___ <input type="checkbox"/> Property Damage >\$50,000 <input type="checkbox"/> Evacuations:___		
Corrective Action Taken: <b>City of Hot Springs responded; pumping down lift station and removing the affected pump (one pump remained in service). The pump was rebuilt and replaced. A new pump was ordered.</b>  <b>The City's vac-truck was used to remove sewage in the ditch near the lift station (north side Airport Road) and in the drainage (south side Airport Road). The affected ground and culverts were washed with high pressure water and these liquids were also collected by the vac-truck. Less than one truck (2800 gallon capacity) was filled with contaminated water. The water will be taken to the City's POTW and treated.</b>  <b>Solids were raked and bagged on Monday August 24 filling less than one 35-gallon trash bag. The solids were disposed to the landfill. Disinfectant was applied to the affected ground.</b>  <b>I visited the spill on Tuesday August 25 and spoke to Mr. Randy Davis. I observed a small amount of solids around the lift station, which Mr. Davis promptly had raked up. We discussed applying lime to the affected area to neutralize any remaining sewage. I looked at the drainage south of Airport Road and observed some iron flocculation in the pool directly downstream of the culvert and small, slightly turbid pools further downstream. I did not observe any smell. The remediation is adequate.</b>		

Responding Agencies/Parties: <b>City of Hot Springs, Garland County MS4, ADEQ Water Division</b>	
Additional Comments: <b>Two (2) emails forwarded to Dean VanDerhoff regarding this remediation. One from Tommy Kerr, Garland County MS4, and one from Danny Burton, City of Hot Springs.</b>	
Inspector: <b>Amy Beck</b>	Date: <b>8-28-2015</b>

Water Division Spill Report Photographic Evidence Sheet							
<b>Location:</b>	#11 Pump Station near 2222 Airport Road, Hot Springs, AR						
<b>Photographer:</b>	Amy Beck			<b>Witness:</b>	Randy Davis		
<b>Photo #</b>	1	<b>Of</b>	4	<b>Date:</b>	8/25/2015	<b>Time:</b>	1134
<b>Description:</b>	Area around #11 pump station has been raked and disinfected.						
							
<b>Photographer:</b>	Amy Beck			<b>Witness:</b>	Randy Davis		
<b>Photo #</b>	2	<b>Of</b>	4	<b>Date:</b>	8/25/2015	<b>Time:</b>	1134
<b>Description:</b>	Ditch south of lift station and upstream (west) side of driveway culvert.						
							



Water Division Spill Report Photographic Evidence Sheet									
<b>Location:</b>		#11 Pump Station near 2222 Airport Road, Hot Springs, AR							
<b>Photographer:</b>		Amy Beck				<b>Witness:</b>		Randy Davis	
<b>Photo #</b>	3	<b>Of</b>	4		<b>Date:</b>	8/25/2015	<b>Time:</b>	1136	
<b>Description:</b>		Downstream (east) side of driveway culvert (corrugated metal) and upstream side of Airport Road cross culvert (concrete).							
									
<b>Photographer:</b>		Amy Beck				<b>Witness:</b>		Randy Davis	
<b>Photo #</b>	4	<b>Of</b>	4		<b>Date:</b>	8/25/2015	<b>Time:</b>	1149	
<b>Description:</b>		Inside the #11 pump station.							
									

Figure 1. Overview of lift station and direction of SSO.

