

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WATER DIVISION – INDUSTRIAL AND MUNICIPAL SECTIONS
NONCOMPLIANCE NOTIFICATION FORM

PERMITTEE NAME: Village Creek WWTP PERMIT NO: AL0023647

FACILITY LOCATION: 1440 Pleasant Hill Rd., Birmingham, AL. 35203 (Jefferson County)

DMR REPORTING PERIOD: April 2017

1. DESCRIPTION OF DISCHARGE: (Include outfall number (s)):
An undetermined volume of partially treated wastewater that had been screened, grit removed, and aerated spilled over the First Stage Settling Basin wall at the 0011 outfall site and entered storm water outfall 005 from approximately 2:00 p.m. to 2:30 p.m. on April 3, 2017.
2. DESCRIPTION OF NON-COMPLIANCE: (Attach additional pages if necessary):

LIST EFFLUENT VIOLATIONS (If applicable)			
Outfall Number (s)	NONCOMPLIANCE PARAMETER(S)	Result Reported (Include units)	Permit Limit (Include units)
Storm water outfall 005S	Prohibited discharge	Undetermined volume	N/A
LIST MONITORING / REPORTING VIOLATIONS (If applicable)			
Outfall Number (s)	NONCOMPLIANCE PARAMETER(S)	Monitoring / Reporting Violation (Provide description)	
N/A	N/A	N/A	

3. CAUSE OF NON-COMPLIANCE (Attach additional pages if necessary):
During an intense rain event that delivered 3.85 inches of rain over a few hours, caused localized flooding, and exceeded a 2-year 12-hour return frequency, the 0021 influent pump station experienced flooding of a portion of the dry well pumps. The flooding was caused by a drain pipe failure at a wet-well/dry-well wall penetration (see attachment). In an attempt to maximize the flow rate through the 0011 treatment plant to lower the water level in the pump station wet-well and stop the flooding, wastewater flow exceeded the capacity of a first stage settling tank and spilled over the tank wall. The influent flow into the 0011 plant was ~80 MGD at the time of the overflow.
4. PERIOD OF NONCOMPLIANCE: (Include exact date(s) and time(s) or, if not corrected, the anticipated time the noncompliance is expected to continue): April 3, 2017 approximately 2:00 pm to 2:30 pm..
5. DESCRIPTION OF STEPS TAKEN AND/OR BEING TAKEN TO REDUCE OR ELIMINATE THE NONCOMPLYING DISCHARGE AND TO PREVENT ITS RECURRENCE (attach additional sheets if necessary):
The flow rate Village Creek WWTP was lowered by directing a portion of flow to the Valley Creek treatment plant via a basin inter-connection at an upstream flow control structure until a plug could be secured to stop the intrusion of water into the dry-well. The installed sump pumps allowed the larger pumps at higher elevation within the building to remain unaffected while the lower pumps were submerged. Wet=well levels will be kept below the drain pipe elevation to prevent a similar failure in the future.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Terrence M. Lane, Acting WWTP Manager, Village Creek WWTP
NAME AND TITLE OF RESPONSIBLE OFFICIAL (type or print)

 7 April 2017
SIGNATURE OF RESPONSIBLE OFFICIAL / DATE SIGNED

Attachment

