

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: March 2015

1. DESCRIPTION OF DISCHARGE: (Include outfall number (s)):
 A manhole inside the Outfall 001-1 site overflowed centrate, internal recycle water from the centrifuge dewatering process, onto the ground during the morning of Monday, March 2, 2015, and storm water outfall 005S likely released some amount of centrate overflow to Village Creek.

2. DESCRIPTION OF NON-COMPLIANCE: (Attach additional pages if necessary): An undetermined amount of dewatering process centrate overflowed a manhole located within the Village Creek WWTP property. Evidence of the overflow was observed near the 005S storm water drain that discharges to Village Creek. There were no visible signs of any direct discharge to the creek, but because it was raining, some amount of centrate likely flowed to the creek. There was a light sheen on the creek water that was likely the result of the polymer residual in the centrate. Hay bales and sand were used to secure the storm drain to prevent any further discharge while sewer vacuum and jet wash trucks were utilized to clean the area and lines.

LIST EFFLUENT VIOLATIONS (If applicable)			
Outfall Number (s)	NONCOMPLIANCE PARAMETER(S)	Result Reported (Include units)	Permit Limit (Include units)
005-S	N/A	N/A	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): The dewatering process at the WWTP has been hindered from mechanical and control failures on two of the three centrifuges. Excess solids had accumulated in the aeration basins and clarifiers. In an effort to reduce solids and improve wet-weather treatment performance in advance of the storms forecast for this week, the operation of the dewatering process was extended to two shifts per day and continued through the weekend. This extended operation without the normal additional water from hauled leachate deliveries and a poor capture rate from the operating centrifuge contributed to a build-up of solids in the centrate pump station and downstream lines and manholes. The volume of concentrated solids loading within the pump station and lines caused a blockage in the downstream manhole and caused it to overflow. Had it not been raining at the time of the overflow, the overflow from the manhole would have been fully contained and not reached Village Creek.

4. PERIOD OF NONCOMPLIANCE: (Include exact date(s) and time(s) or, if not corrected, the anticipated time the noncompliance is expected to continue): The overflow occurred at approximately 8:00 am on March 2, 2015 and stopped shortly thereafter.

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 WWTP staff will institute periodic inspection of the manhole and periodic flushing of the line as a part of general plant O&M practices to prevent reoccurrence of the blockage. The two non-operating centrifuges are under contract for repairs and upgrades. The work was schedule to be complete in early February but has been delayed until March 23rd by the vendor.

"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."

Greg James, WWTP Manager, Village Creek WWTP

NAME AND TITLE OF RESPONSIBLE OFFICIAL (type or print)

 / 3/3/15

SIGNATURE OF RESPONSIBLE OFFICIAL / DATE SIGNED

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