

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY
 ENVIRONMENTAL POLLUTION INCIDENT REPORT
 Phone No. 703-583-3800 or 3864
 Fax No. 703-583-3871
 Attention: PREP Coordinator

IR _____

Assigned To: Wastewater Collection Division		Water <input type="checkbox"/>	Sewage <input checked="" type="checkbox"/>	Fish Kill <input type="checkbox"/>
		Date: 6/16/2014	Time: 11:02 AM	
Reported By: Wesley Martin (WCD employee)		Phone: 703-250-2003		
Address: 6000 Freds Oak Rd				
City: Burke		State: VA	Zip: 22015	
Site Name: Holmes Run Pumping Station		Receiving STP: A.S.A.		
Site Address/Location: 6623 Dearborn Dr		Permit No.: VA 0025160		
Site City/Zip: Falls Church, 22041		Map Name:		
County: Fairfax		Map No.: 60-4		
Contact on Scene: Wesley Martin		Phone: 703-250-2003		
County Incident Contact: Jonathan Okafor		Phone: 703-239-8490		
County Incident Contact e-mail: Jonathan.Okafor@fairfaxcounty.gov				
Responsible Party (if different than site): Contractor - White Line Construction		Phone:		
Address:				
City:		State:	Zip:	
Owner (if different than site): Fairfax County Wastewater Collection Division		Phone: 703-250-2003		
Address: 6000 Freds Oak Rd				
City: Burke		State: VA	Zip: 22015	
Description of Incident: Leak from force main fitting		Date: 6/16/2014	Time: 10:40 AM	
<p>On Monday at 10:40 AM on June 16, 2014, one of the Holmes Run PS pumps kicked on, as it should, to move flow from the wet well in the station to the force main going up Sleep Hollow Road. After about 15 minutes Wastewater Collection crews working at the pumping station noticed water coming up from the ground directly adjacent to the station. The pump was immediately turned off and flow in the force main began to make its way back down the force main to the wet well in the station. Some of this flow continued to come out of the ground adjacent to the station and some entered the stream downstream of the station. WCD crews responded to overflow by calling in one of our tanker trucks to vac nearly 2000 gallons of sewage that was on the surface outside the station. A small berm was hand-created to contain some of the overflow. Lime was spread on the surface of the pumping station property. Further investigation revealed that the gasket within the coupling failed due to movement of the ductile iron pipe created by the sewer pressure when the pumping station's pump was used on June 16, 2014.</p> <p>The area where the leak occurred on June 16 is the precise location where the original break occurred on April 29, 2014 wherein a contractor's (White Line Construction) newly installed pipe and coupling ruptured. Since that break in April, the pipe and coupling had been repaired. Additionally, the pipe was pressure tested with potable water, and in fact the station pumps operated and pumped flow through this repaired pipe network during the last storm event a couple weeks ago, and again there was no problem. As an extra precaution, Dewberry was then hired to verify that the repair to the new pipe and coupling was adequate going forward. Over a period of the last 3 weeks, Dewberry reported via a geotechnical study that the soil is adequate for the pipe to not move when the pumps turn on, that the coupling restraints on the pipe outside the station are adequate to hold the ductile iron pipe to the cast iron pipe, and that the thrust block (massive block of concrete placed where the pipe bends to begin heading up Sleep Hollow Road) is adequate. As an even further assurance to prevent any issues at this location, it was also decided to line the new pipe in the area of this break. That work was to be completed by next week. Contractor began repair of the ruptured force main adjacent to the Holmes Run RPS on Wednesday June 18, 2014. On Tuesday June 17, 2014 WPMD laboratory staff collected samples for testing in the vicinity of the SSO event, along the Lake, and downstream of the lake's dam.</p>				

Fish Kill: No	
Adverse Effects Noted: No	
Possible Receptors:	Affected Water Body: Holmes Run to Lake Barcroft
Amount of Material/Units:	GALLONS RELEASED 8,000 GALLONS IN WATER 6,000
Description of Materials: Wastewater	
Five day letter to follow <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
SHADED AREA FOR DEQ USE ONLY	
Date Assigned to: _____ <input type="checkbox"/> Water Comp <input type="checkbox"/> Water Quality (FK) <input type="checkbox"/> Other _____	
Date 5 day letter received: _____ Closed: _____	

NRO SSO 5/12/06 Version 3 send to: rebecca.johnson@deq.virginia.gov and shirley.tirch@deq.virginia.gov and mlmiller@deq.virginia.gov

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