

**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: 5/19/14		Time: 2:11 AM
Reported By: Phan Tran			Phone: 703-250-2003	
Address: 6000 Freds Oak Road				
City: Burke			State: Virginia	Zip: 22015
Site Name: Barcroft I Wastewater Pump Station			Receiving STP: A.S.A.	
Site Address/Location: 6411A Waterway Drive			Permit No.: VA 0025160	
			Map Name:	
Site City/Zip: Falls Church, Virginia,			Map No.: 061-3	
County: Fairfax				
Contact on Scene: Randall Flowers			Phone: 703-250-2003	
Responsible Party (if different than site):			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:		Date: 5/19/14		Time: 2:11 AM
<p>On 5/15/14 at 4:47 pm the Barcroft I pumping station Supervisory Control and Data Acquisition (SCADA) system lost communication with the 24/7 Wastewater Collection Trouble Response Center (TRC). TRC immediately dispatched a trouble response technician to the station. After inspecting the station the technician concluded that all operations were normal and the station was functioning properly.</p> <p>On the morning of 5/16/14 Verizon was notified of the communication issue and was unsuccessful in repairing their communication lines that serviced the Barcroft I pumping station. Due to the communication failure trouble response technicians visited the site multiple times during the day of 5/16/14 and also on the afternoon of 5/17/14, and 5/18/14 to verify proper operations at the station. However, at approximately 4 pm on 5/18/14 the pumping station pump controller failed causing the pumps not to operate. Over the next 10 hours the inflow into the station was stored within the wet well and gravity piping and manholes. Ultimately a sanitary sewer overflow occurred at the pumping station at 2:11 am on 5/19/14. It is estimated that 3,904 gallons of raw sewage overflow occurred during this event and the vast majority of flow entered Lake Barcroft via a storm drainage system.</p> <p>During the morning of 5/19/14 at 7:30 am the trouble response technician visited the station and determined that an overflow was occurring and operated the pumps manually containing the overflow at 8:00 am. After troubleshooting the pump control issue it was determined that the 24 volt power supply that powered the pump controller was disrupted due to a faulty uninterrupted power supply (UPS). The technician temporarily rewired the 24 volt power supply to another power source and has since replaced the UPS system. The technician also informed TRC of the overflow and requested a tank truck on-site. The tank truck was successful in collecting 2,500 gallons of wastewater from a nearby swale and drainage structure. The contaminated area was treated with lime. On the morning of 5/19/14 Verizon also repaired the issue and restored communication from the station to TRC. Also an on-site meeting was conducted with the Barcroft Lake representatives to discuss the sanitary sewer overflow. At the conclusion of the meeting it was determined that water sampling in the vicinity of the overflow would continue to take place until the water quality in the Lake returned to normal readings. At the time of this report water sampling is being conducted every 24 hours.</p>				

Fish Kill: None noted immediately after spill or at 24 hour mark.		
Adverse Effects Noted: None		
Possible Receptors:	Affected Water Body: Lake Barcroft	
Amount of Material/Units:	GALLONS RELEASED: 6,404	GALLONS IN WATER: 3,904
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: twnelson@deq.virginia.gov and elstuart@deq.virginia.gov and mlmiller@deq.virginia.gov

u:/prep/prep sso report