



DEPARTMENT OF ENVIRONMENTAL SERVICES
Utilities and Environmental Planning Division
Water Pollution Control Plant

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January 4, 2009

Dear Donaldson Run Resident,

Arlington County's Department of Environmental Services (DES) will begin major improvements to eleven lift stations on the wastewater collection system beginning January 2010. Two of the lift stations are located in your neighborhood at 2929 North Military Road and 2685 Marcey Road. The lift stations will be improved to accommodate new pumps, valves, odor control, and ventilation systems. The size of the lift station structures will remain the same.

Work is scheduled for nearly all of 2010 and will involve auxiliary pumps to bypass flow around the stations during construction. Carol Smithers and Larry Slattery will attend the next meeting of the Donaldson Run Civic Association on Wednesday, February 3 at 7:30 p.m. to provide available details of the project. Larry is the Water Pollution Control Bureau (WPCB) Chief and Carol is the Maintenance Manager for the WPCB. They will bring copies of construction drawings to the meeting. The meeting will be held at the Taylor Elementary School 2600 N Stuart Street.

Sincerely,

Phil Loar
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A. MARCEY CREEK; 7-H Upgrades and Improvements, 2010

1. Structural

- § Repair corroded joints.
- § Replace leads and exposed electrical work and sealing PS manhole
- § Evaluate cathodic protection and provide improvements as necessary.
- § Replace access hatch to wet well.

2. Electrical/Power

- § Replace main disconnect switch with lockable, NEMA 4X enclosure type to prevent tampering

3. HVAC

- § Replace humidifier and install drain to sump pit.

5. Instrumentation and Control

- § Upgrade the existing PLC system as necessary to accommodate the new I/Os

6. Security/Lighting

- § Replace exterior lighting to be operated by switch, 10 foot-candle entrance, 1.5 foot-candle building perimeter open area
- § Provide raceway system for telephone service entrance
- § Provide fire extinguisher

A. DONALDSON RUN; 7-H Upgrades and Improvements, 2010

1. Process Improvements

- § Replace all three pumps
- § Replace three existing cone valves with plug valves and electric actuators.
- § Replace existing gate valves at the inlet and discharge end of each pump with units of same capacity.
- § Replace all sump pump system and associated controls
- § Replace the existing manual hoist in the station interior with electric operated hoist of the same capacity.
- § Replace suction and discharge piping as necessary.

2. Structural

- § Replace the access hatch and repair concrete around frame opening to meter vault.
- § Replace the isolation valve in the meter vault with valve extension to allow valve operation without accessing the vault.
- § Protect beams in generator room from corrosion

3. Architectural

- § Replace rear door
- § Brickwork pointing
- § Remove and seal the existing door between the wetwell and drywell.
- § Repair roof
- § Replace gutters
- § Install bathroom privacy stall

4. Electrical/Power

- § Replace existing ATS.
- § Replace MCC.
- § Replace VFDs

5. HVAC

- § Install air conditioning in the MCC room.
- § Replace HVAC equipment as necessary.
- § Install gas monitoring in generator room.

6. Instrumentation and Control

- § Replace the existing PLC system to be consistent with other stations
- § Replace existing flow meters (interior and exterior meter vault)
- § Provide methane and H₂S monitoring in the drywell and access room.
- § Provide new pump suction and discharge pressure gauges
- § Provide new pump suction pressure transmitters.
- § Tie in individual failure alarms from generator.

7. Aesthetics/Erosion Control

- § Improvements for erosion control as necessary

8. Security/Lighting

- § Replace exterior lighting to be operated by switch, 10 foot-candle entrance, 1.5 foot-candle building perimeter open area
- § Provide two luminaries to the north side door and one luminary to the east side.
- § New fence