

A&D Water – Hunters Glen (Wastewater)

Facility Information:

Wastewater System: PWS# NC0067288

Hendersonville, Henderson County, NC

~63 Service connections

Assets: Extended Aeration Package Plant, 1 Lift Station with Grinder Pumps, Bar Screen, Aeration Basin, Clarifier, Aerobic Digester, Tablet Chlorination, Contact Chamber, Dechlorination, Effluent Meter, Sludge Holding Basin & Collection System with Lift Station.

Compliance History

Reviewing the EPA (ECHO) compliance history of the High Vista plant shows a history of noncompliance. The facility has been in a state of non-compliance for 7 of the previous 12 quarters. The facility regularly violates limits for BOD, fecal coliform, and total suspended solids. Additionally, the facility has specific violation for unapproved operation since May of 2018. In the last five years, the facility has 13 informal enforcement actions (Notices of Violation), and 8 formal enforcement actions with fines assessed totaling \$3,620. This all demonstrates a complete failure to properly operate and maintain the facility under current ownership.

Description of need:

Hunters Glen Wastewater Treatment Plant is an extended aeration package plant with a gravity fed collection system until it reaches the plant. The lift station is currently out of service and on bypass. There is an internal air leak in the aeration basin, which can cause structural failure to the treatment process tank. Surface corrosion and pinhole leaks are present on process tank, which could cause severe spillage and/or structural integrity concerns for the plant. Ladder hardware has broken off the wet well structure and will need to be fixed. Telemetry system is not functional and wiring shows signs of deterioration.

Proposed Improvements:

In order to ensure the longevity and performance of the Hunters Glen Wastewater Treatment Plant, Red Bird Water Utility Operating Company plans to make improvements to the system. In order to ensure that operations can effectively respond to abnormal operating conditions and ensure proper operations, remote monitoring will be installed to replace the existing non-functional system. Influent pump station will have a pump replacement and remove bypass system to ensure lift station operates as designed. Aeration Tank will be patched to fix the internal air leak and pin holes. Clean and recoat will also be help the tank prevent future corrosion. Ladder hardware on wet well will need to be replaced for safety purposes. The installation of a new disinfection system and mission monitoring will better assist the overall performance of the facility. These improvements will ensure the system can provide safe and reliable service to customers and will bring the facilities into a maintainable condition moving forward.

Hunters Glen	
Item	Cost
Chain Link Fence Repair	\$10,000
Aeration Overhaul (Repairs & Replacement)	\$50,000
Remove Sludge from Existing Plant	\$30,000
Repair & Repaint Steel Tanks, Walkways and Handrails	\$30,000
Mission Remote Monitoring and Meters	\$18,000
Blower Building Repair	\$10,000
Total	\$148,000