



# CASE STUDY



## SYSTEM LOCATION

Southern Delaware

## SYSTEM SPECIFICATIONS

500 GPD Mixed Use Residential System

## PRODUCT

ECOPOD E50-N

## INSTALLATION DATE

Summer 2018

## Sample Data From Five-Year-Old ECOPOD E50-N Reveals Performance Above NSF/ANSI 40 and 245 Standards

### SUMMARY

An ECOPOD E50-N was installed in 2018 to treat a daily flow of 500 GPD from a two-bedroom home plus office. Two people reside in the home and an additional two people work daily in the office Monday through Friday. This system receives basic domestic wastewater from the home and adjoining office.

### SYSTEM SAMPLING

Wastewater sampling was collected and tested in October, 2023. Here are the wastewater data findings from the ECOPOD E50-N after approximately five years of use with regular O&M performed.

	EFFLUENT cBOD <sub>5</sub> , mg/L	EFFLUENT TSS, mg/L	TOTAL NITROGEN REDUCTION
RESULT	7	7	52%

Wastewater data was analyzed and reported by Chesapeake Labs, Inc. (Salisbury, MD).

### CONCLUSION

The ECOPOD E50-N has been tested under NSF/ANSI 40 and 245 with an average nitrogen reduction of greater than 50% and meets Class 1 requirements with an average effluent quality of 9 mg/L cBOD<sub>5</sub> and 8 mg/L TSS.

The sample test results of this ECOPOD E50-N reveal optimal performance above NSF/ANSI 40 and 245 standards after five years of regular maintenance and use! The 52% Total Nitrogen reduction outperformed the requirement and cBOD<sub>5</sub> and TSS levels fall below the Class 1 effluent quality standards.



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