



Send To: C0439427

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Facility: C0439427

Aero-Stream, LLC
W300N7706 Christine Lane
Hartland WI 53029
United States

Result	PASS	Report Date	17-DEC-2019
Customer Name	Aero-Stream, LLC		
Tested To	NSF/ANSI 40		
Description	AS500-1		
Trade Designation	AS500-1		
Test Type	Qualification		
Job Number	J-00309221		
Project Number	10095005 (PL01)		
Project Manager	Sharon Weindorf		

Thank you for having your product tested by NSF International.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization

David Semak - Director, Engineering Laboratory

Date 17-DEC-2019



General Information

Standard: NSF/ANSI 40
Test Description: NSF Standard 40 and 245
Trade Designation/Model Number: AS500-1

Sample Id: **S-0001556869**
Description: AS500-1
Sampled Date: 10/30/2018
Received Date: 10/30/2018

Testing Parameter	Result	Units
Engineering Lab		
WWT Test According to NSF/ANSI 40, 245		
Standard #	NSF/ANSI 40-2018	
Site #	Waco- site7	
Daily Hydraulic Capacity	450 gpd	
Installation date	12-NOV-2018	
Initial Performance Evaluation	Pass	
Materials Evaluation	Pass	
Design and Construction Evaluation	Pass	
Startup Weeks	3 weeks but per the client's request they were used for the performance evaluation	
Test Start Date	19-NOV-2018	
Influent BOD5 Requirement	Pass	
Influent TSS Requirement	Pass	
Influent Alkalinity Requirement	Pass	
Influent Temperature Requirement	Pass	
Influent pH Requirement	Pass	
Nitrogen Reduction Required	No	
Wash-day stress over 5 days	Complete	
Working parent stress over 5 days	Complete	
Power/equipment failure stress	Complete	
Vacation stress	Complete	
Effluent CBOD5 Requirement	Pass	
Effluent TSS Requirement	Pass	
Effluent pH Requirement	Pass	
Color, Odor, Foam, and Oily Film Assessm	Complete	
Sampling Collection and Frequency	Pass	
Test duration	203 Days	
Test Completion Date	07-JUN-2019	
Catastrophic Site Problem	Yes	
Reason and Extended Time	Excluded Low Influent BOD days - Extended 3 weeks	
Adjustment Required	No	
Data Review Date	15-AUG-2019	



Job Notes:

- Due to a dosing system malfunction, the system was overdosed during the 1st 30 days of the test (Fri 12/7- Wed 12/12). However, it didn't result in system upset and the system worked under the worst case of scenario.
 - Nitrogen sampling for NSF 245 was stopped on Fri 2/8 per the client's request.
 - The 30-day averages of effluent CBOD in month 4 and 5 were higher than the standard requirement. The system cannot be classified as a Class I residential wastewater treatment system.
 - No effluent CBOD and TSS exceeded the standard requirements for Class II systems. The system is classified as a Class II residential wastewater treatment system.
- ENejad 8/5/19

This report replaces previously issued report with serial# FI20190819143857. This report is being re-issued with corrected model numbers. This does not change the overall status of the report.



Testing Laboratories:

	Id	Address
All work performed at: (Unless otherwise specified)	NSF_WACO	NSF International 1147 Treatment Plant Drive Waco, TX 76706

References to Testing Procedures:

NSF Reference	Parameter / Test Description
P0218	WWT Test According to NSF/ANSI 40, 245

Test descriptions preceded by an asterisk "*" indicate that testing has been performed per NSF International requirements but is not within its scope of accreditation.

Unless otherwise indicated, method uncertainties are not applied in any determinations of conformity. Testing utilizes the requested sections of any referenced standards, which may not be the entire standard.