



GSEE
ENVIRONMENTAL
CONSULTANTS

May 9, 2016

Carla Ott
Otterbine-Barebo,
Inc. 3840 Main Rd.
East Emmaus, PA
18049

RE: AirFlo 3 O₂ Testing

Dear Carla:

GSEE Inc. has completed testing on the Otterbine Barebo, Inc. AirFlo 3 Model AF3-3242 Diffused Aeration System. Tests were performed on AIRFLO 3 units installed with 2 – 11.5"Ø membrane disc diffusers each (8 diffusers total) at liquid depths of 8 feet (7.5' air release depth) and 14.0 feet (13.5' air release depth).

The ASCE clean water non-steady state test procedures were used for all the testing. The results of the testing indicate the following:

1. Over the airflow range tested, SOTR increases with increasing airflow rate and increasing air release depth.
2. SOTE and SAE decrease with increasing airflow rate.
3. SOTE increases with increasing air release depth.
4. The standard SOTR (Lb O₂/Hr) (TDS Corrected 1000) at 8 ft or 2.43 m was 1.59 lb O₂/ hp hr
5. The standard SOTR (Lb O₂/Hr) (TDS Corrected 1000) at 14 ft or 4.27 m was 2.72 lb O₂/hp hr

The equipment performed very well. The observed results are as good as or better than similar systems we have tested in the past.

If you have any questions regarding the tests or the results obtained, please feel free to contact us.

Sincerely,

GSEE, Inc.



Michael R. Hicks
Vice President

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