



City of Eden

September 9, 2004

Laura Hong
Sales Engineer
104 Eastman Street
Greenwood, MS 38935

SUBJECT: CITY OF EDEN, NORTH CAROLINA
DIGESTER AERATOR REPLACEMENTS

Dear Ms. Hong:

As the Superintendent of a 13.5 MGD Extended Aeration Wastewater Treatment Facility, I am always looking for new and innovative ideas to help in the treatment process. I don't recall how I stumbled across your product but today I am glad I did. There was a lot of skepticism as to how well the Horizontal Floating Rotor Aerators would work in our Aerobic Digester. With an average solids load of 4% - 5%, it was going to be a challenge to ensure adequate mixing and to be able to provide some dissolved oxygen.

I have been at this plant since 1987 and the following list will show you the difference the Brush Aerators have made:

<u>Pre-Brush Aerators</u>	<u>Brush Aerators</u>
145 HP Aeration (3-40HP & 1-25HP Floating)	80 HP (4-20 HP)
D.O. 0.0 mg/l	1.0 mg/l
1/3 of Digester never mixed (dead zones)	90% - 95%
2-3 days settling to decant	20 - 24 hours

The list goes on!

Because of this performance, it is my intent to include these units for future capital projects at both of my treatment facilities. I can honestly say that I am truly amazed and very satisfied.

Sincerely,

Charles Van Zandt

Charles Van Zandt
Superintendent of Wastewater Plant