

Alexandria WWTP Volatile Solids Reduction

11/24/2020

1
Waste (into Dig)

1.4084

Initial

1.4488

Final

0.0404

8,080 TSS

2
Digestes

1.4146

1.5115

0.0969

19,380 TSS

1.4488

In Furnace

- 1.4199

Out Furnace

0.0289

5,780 VS

= 71.5% VS

1.5115

- 1.4535

0.0580

11,600 VS

= 59.9% VS

$$\frac{71.5 - 59.9}{71.5 - (71.5 \times 59.9)} \times 100 = \frac{.715 - .599}{.715 - (.715 \times .599)} \times 100$$

$$\frac{0.116}{.287} \times 100$$

= 40.4% VS Reduction