



Tanks are covered for odor control. Fumes are pumped to a “scrubber” which has Sodium Hypochlorite (bleach) and Sodium Hydroxide.

Sodium Hypochlorite is used for “chlorination” / disinfection, then Sodium Bisulphite is used for de-chlorination. The “effluent” has less solids in it than the Hudson River. So, in effect they are returning water that is cleaner than the Hudson River.

The digesters are anaerobic and are kept at about body temperature. The microbes are those that came from our guts so they like body temperature. The results of digestion (bacteria eating dissolved organic matter) is more solids setting out. Methane and Carbon Dioxide are produced. The methane is collected and used to heat the digester and run blowers for the aeration tanks. Soon it will also be used to make electricity for the plant. The plant’s electricity bill is \$0.5 million per month.