

Garden next to each house. The black water has a STEP Tank that is shared by two homes and then is pumped to the wastewater treatment plant. The first tank is 4,500 gallon concrete flow equalization tank. The waste is then pumped via a duplex pump to three 4,500 gallon concrete tanks that house three 3,000 GPD Delta Fixed Film Ecopods for treatment. From the Delta Ecopod it flows to a 4,500 gallon pump tank that time doses 21,000 linear feet of drip tube in four zones.

2:45 p.m. Depart Serenity Shores

2:50 p.m. **Arrive at 3rd Site – Tour Pointe 7 System**

System serves approximately 44 condos but was engineered for 200 condos. The full built out system is 18,000 gpd but is currently permitted for 6,000 gpd. Tanks are in place with Orenco pods for 6,000 gpd. The sewage flows to a large settling tank and effluent goes to a pump tank and is pumped to Orenco Advantex AX-100 pods. Part of the treated effluent is recirculated and part is directed to direct discharge. System uses coagulant to settle out phosphorus to meet the 0.5 ppm limit. The system was never originally engineered to meet the low ammonia permit limits so pump run times and pumping out settling tanks more often was added to meet ammonia limits. Chlorine is added for disinfection followed by removal of chlorine prior to discharge. Monthly rate to condo owners is \$51 that covers the operation, maintenance, administration, billing, overhead, and reserve for repair.

4:00 p.m. Depart Tour Pointe 7 for hotel

5:00 p.m. **Arrive back at University Plaza Hotel**

Note: *Itinerary and times subject to change. All attendees are expected to ride the bus transportation provided. No private vehicles are allowed on the field trip tour.*