Monitoring Requirements and Schedule

The Permittee must monitor in accordance with the following schedule.

Process Wastewater Influent to Lagoon (Outfall 001)			
Parameter	**Units & Speciation**	**Minimum Sampling Frequency**	**Sample Type**
Flow	gal/month	1/month [a]	Calculation [b]
pH	Standard Units	1/month	Grab [c]
Biological Oxygen Demand (BOD_5)	mg/L	1/month	Grab
BOD_5	lbs/month	1/month	Calculated [d]
Total Dissolved Solids (TDS)	mg/L	1/month	Grab
TDS	lbs/month	1/month	Calculated
Total Kjeldahl Nitrogen (TKN)	mg/L as N	1/month	Grab
TKN	lbs/month	1/month	Calculated
Nitrate plus Nitrite Nitrogen	mg/L as N	1/month	Grab
Nitrate plus Nitrite Nitrogen	lbs/month	1/month	Calculation
Total Nitrogen	mg/L as N	1/month	Calculation [e]
Total Nitrogen	lbs/month	1/month	Calculation
Sulfate	mg/L	1/month	Grab
Chloride	mg/L	1/month	Grab

a	1/month means one (1) time during each calendar month.
b	Subtract the first reading in the specified time period from the last reading.
c	Grab means an individual sample collected over a fifteen (15) minute, or less, period.
d	Calculated means figured concurrently with the respective sample, using the following formula: Concentration (in mg/L) X Flow (in million gal/month) X Conversion Factor (8.34) = lbs/month
e	Total Nitrogen concentration calculated by adding together TKN and Nitrate/Nitrite concentrations.

Process Wastewater Discharge back to Composting Area			
Parameter	**Units & Speciation**	**Minimum Sampling Frequency**	**Sample Type**
Flow	gal/month	1/month [a]	Calculation [b]

a	1/month means one (1) time during each calendar month.
b	Subtract the first reading in the specified time period from the last reading.

Process Wastewater Lagoon Effluent to Sprayfield (Outfall 002)			
Parameter	**Units & Speciation**	**Minimum Sampling Frequency**	**Sample Type**
Flow	gal/month	1/month [a]	Calculation [b]
pH	Standard Units	1/month	Grab [c]
BOD_5	mg/L	1/month	Grab
BOD_5	lbs/month	1/month	Calculated [d]
Soluble BOD5	mg/L	1/month	Grab
Soluble BOD5	lbs/month	1/month	Calculated
TDS	mg/L	1/month	Grab
TDS	lbs/month	1/month	Calculated
Total Kjeldahl Nitrogen (TKN)	mg/L as N	1/month	Grab
TKN	lbs/month	1/month	Calculated
Nitrate plus Nitrite Nitrogen	mg/L as N	1/month	Grab
Nitrate plus Nitrite Nitrogen	lbs/month	1/month	Calculation
Total Nitrogen	mg/L as N	1/month	Calculation [e]
Total Nitrogen	lbs/month	1/month	Calculation
Sulfate	mg/L	1/month	Grab
Chloride	mg/L	1/month	Grab

a	1/month means one (1) time during each calendar month.
b	Subtract the first reading in the specified time period from the last reading.
c	Grab means an individual sample collected over a fifteen (15) minute, or less, period.
d	Calculated means figured concurrently with the respective sample, using the following formula: Concentration (in mg/L) X Flow (in million gal/month) X Conversion Factor (8.34) = lbs/month
e	Total Nitrogen concentration calculated by adding together TKN and Nitrate/Nitrite concentrations.

Supplemental Irrigation Water Monitoring (Before Mixing with Process Wastewater)			
Parameter	**Units & Speciation**	**Sampling Frequency**	**Sample Type**
Flow	gal/month	1/month [a]	Calculation [b]
pH	Standard Units	Annually [c]	Grab
Conductivity	micromhos/cm	Annually	Grab
TDS	mg/L	Annually	Grab
Nitrate-Nitrite Nitrogen	mg/L	Annually	Grab
Total Kjeldahl Nitrogen (TKN)	mg/L as N	Annually	Grab
Nitrate plus Nitrite Nitrogen	mg/L as N	Annually	Grab
Total Nitrogen	mg/L as N	Annually	Calculation [d]
Sulfate	mg/L	Annually	Grab
Chloride	mg/L	Annually	Grab

a	1/month means one (1) time during each calendar month when process wastewater is mixed with the supplemental wastewater and applied to the sprayfield.
b	Subtract the first reading in the specified time period from the last reading.
c	Annually means once per year in April.
d	Total Nitrogen concentration calculated by adding together TKN and Nitrate/Nitrite concentrations.