ATTACHMENT E-5. INTERIM RECEIVING WATER MONITORING REQUIREMENTS

VIII. RECEIVING WATER MONITORING REQUIREMENTS – Surface Water

A. Monitoring Locations (Upstream)

1. The Discharger shall monitor upstream receiving waters at R-001 to R-011 when discharging to surface waters, as follows:

Table 10. Upstream Receiving Water Monitoring

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Hydrogen Ion	pH	Continuous	Daily	Standard Methods
Dissolved Oxygen	mg/L	Continuous	Daily	Standard Methods
Turbidity	NTU	Continuous	Daily	Standard Methods
Temperature	°C	Continuous	Daily	Standard Methods
Specific Conductivity	µmhos/cm	Continuous	Daily	Standard Methods
Total Dissolved Solids	mg/L	Grab	Weekly	Standard Methods
Ammonia Nitrogen	mg/L	Grab	Weekly	Standard Methods
Unionized Ammonia	mg/L	Grab	Weekly	Calculation
Nitrate Nitrogen	mg/L	Grab	Weekly	Standard Methods
Organic Nitrogen	mg/L	Grab	Weekly	Standard Methods
Total Phosphorus	mg/L	Grab	Weekly	Standard Methods
Hardness (as $CaCO_3$)	mg/L	Grab	Weekly	Standard Methods
CTR Priority Pollutants	µg/L	Grab	Quarterly	40 CFR 136

B. Monitoring Locations (Downstream)

1. The Discharger shall monitor downstream receiving waters, when discharging to surface waters, at Monitoring Locations R-003, R-005, R-007, and R-012 to R-017 in Table 13, as follows:

Table 11. Downstream Receiving Water Monitoring

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Hydrogen Ion	pH	Continuous	Daily	Standard Methods
Dissolved Oxygen	mg/L	Continuous	Daily	Standard Methods
Turbidity	NTU	Continuous	Daily	Standard Methods
Temperature	°C	Continuous	Daily	Standard Methods
Specific Conductivity	µmhos/cm	Continuous	Daily	Standard Methods
Total Dissolved Solids	mg/L	Grab	Weekly	Standard Methods
Ammonia Nitrogen	mg/L	Grab	Weekly	Standard Methods
Unionized Ammonia	mg/L	Grab	Weekly	Calculation
Nitrate Nitrogen	mg/L	Grab	Weekly	Standard Methods
Organic Nitrogen	mg/L	Grab	Weekly	Standard Methods
Total Phosphorus	mg/L	Grab	Weekly	Standard Methods
Hardness (as $CaCO_3$)	mg/L	Grab	Weekly	Standard Methods

Table 13. Monitoring Station Locations

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
--	M-INF	Influent Pump Station
--	M-INTA	Influent to Tertiary Filters
--	M-INTB	Tertiary Filter Effluent prior to disinfection unit
015	M-001	Laguna Treatment Plant – Final Effluent
006A	M-002	Meadow Lane Pond D – D-Pond Incline Pump discharge to the Laguna de Santa Rosa
006B	M-003	Meadow Lane Pond D – D-Pond 36-inch discharge to confluence of Laguna de Santa Rosa and Colgan Creek
012A	M-004	Delta Pond – 24-inch pipe discharge to Santa Rosa Creek
012B	M-005	Delta Pond – 48-inch pipe discharge to the confluence of the Laguna de Santa Rosa and Santa Rosa Creek.
002	M-006	Arlington Pond – Pipe discharge to a constructed trapezoidal ditch
003	M-007	Brown Pond – Pipe discharge to a rip-rap apron
005	M-008	LaFranconi Pond - Pipe discharge to an unnamed ditch adjacent to LaFranconi Pond
008	M-010	West College Pond 1C - Pipe discharge to Santa Rosa Creek
009	M-011	Ambrosini Pond - Pipe discharge to Santa Rosa Creek
014	M-012	Meadow Lane A Pond – Pipe discharge to a constructed trapezoidal ditch adjacent to the Meadow Lane Pond A
016	M-013	Laguna Joint Wetlands - Pipe discharge to the constructed wetlands
Station 528	R-001	Colgan Creek, upstream of confluence with Laguna de Santa Rosa, upstream monitoring location for Discharge Point 006B
Station 529	R-002	Laguna de Santa Rosa, upstream monitoring location for Discharge Point 006B
Station 505	R-003	Laguna de Santa Rosa, near Todd Road Bridge, upstream monitoring location for Discharge Points 003 and 005, downstream monitoring location for Discharge Point 06B
Station 515	R-004	Santa Rosa Creek, upstream monitoring location for Discharge Point 012A
Station 520	R-005	Santa Rosa Creek, upstream monitoring location for Discharge Point 012B, downstream monitoring location for Discharge Point 012A
Station 530	R-006	Laguna de Santa Rosa, upstream of Llano Bridge, upstream monitoring point for Discharge Points 014. 015, and 016
Station 526	R-007	Laguna de Santa Rosa, downstream of Discharge Point 014, downstream monitoring point for Discharge Points 014. 015, and 016, upstream monitoring point for Discharge Point 006A
Station 521	R-008	Laguna de Santa Rosa, upstream monitoring location for Discharge Point 012B
Station 512	R-009	Colgan Creek, upstream monitoring location for Discharge Point 002
Station 517	R-010	Santa Rosa Creek, upstream monitoring location for Discharge Point 008
Station 516	R-011	Santa Rosa Creek, upstream monitoring location for Discharge Point 009
Station 506	R-012	Laguna de Santa Rosa, downstream monitoring location for Discharge Point 003 and 005
Station 507	R-013	Santa Rosa Creek, downstream monitoring location for Discharge Point 009
Station 508	R-014	Laguna de Santa Rosa, downstream of Discharge Point 012B, downstream monitoring location for Discharge Point 012B
Station 513	R-015	Colgan Creek, downstream monitoring location for Discharge Point 002
Station 518	R-016	Santa Rosa Creek, near Fulton Road Bridge, downstream monitoring location for Discharge Point 008
Station 527	R-017	Laguna de Santa Rosa, upstream of side stream from Peters' Dairy, downstream monitoring location for Discharge Point 06A