

Idyllwild WWTP Replacement Project Detailed Report, 1/26/2024

Off-Road Equipment	0.94	0.79	7.10	8.70	0.01	0.34	0.34	0.34	0.32	—	0.32	—	1,348	1,348	0.05	0.01	—	1,352
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	7.10	8.70	0.01	0.34	0.34	0.34	0.32	—	0.32	—	1,348	1,348	0.05	0.01	—	1,352
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.42	3.82	4.68	0.01	0.19	0.19	0.19	0.17	—	0.17	—	725	725	0.03	0.01	—	728
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.70	0.85	< 0.005	0.03	0.03	0.03	0.03	—	0.03	—	120	120	< 0.005	< 0.005	—	120
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Improvements (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	0.75	6.61	8.67	0.01	0.31	—	0.31	0.28	—	0.28	—	1,347	1,347	0.05	0.01	—	1,351	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	0.75	6.61	8.67	0.01	0.31	—	0.31	0.28	—	0.28	—	1,347	1,347	0.05	0.01	—	1,351	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Improvements (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	0.75	6.61	8.67	0.01	0.31	—	0.31	0.28	—	0.28	—	1,347	1,347	0.05	0.01	—	1,351	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.89	0.75	6.61	8.67	0.01	0.31	—	0.31	0.28	—	0.28	—	1,347	1,347	0.05	0.01	—	1,351	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.53	4.72	6.19	0.01	0.22	—	0.22	0.20	—	0.20	—	962	962	0.04	0.01	—	965	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.86	1.13	< 0.005	0.04	—	0.04	0.04	—	0.04	—	159	159	0.01	< 0.005	—	160	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

Idyllwild WWTP Replacement Project Detailed Report, 1/26/2024

Off-Road Equipment	0.85	0.72	6.26	8.68	0.01	0.28	—	0.28	—	0.26	—	1,347	1,347	0.05	0.01	—	1,352
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.72	6.26	8.68	0.01	0.28	—	0.28	—	0.26	—	1,347	1,347	0.05	0.01	—	1,352
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.11	1.55	< 0.005	0.05	—	0.05	—	0.05	—	240	240	0.01	< 0.005	—	241
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.20	0.28	< 0.005	0.01	—	0.01	—	0.01	—	39.7	39.7	< 0.005	< 0.005	—	39.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Improvements (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.72	6.26	8.68	0.01	0.28	—	0.28	0.26	—	0.26	—	1,347	1,347	0.05	0.01	—	1,352	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.72	6.26	8.68	0.01	0.28	—	0.28	0.26	—	0.26	—	1,347	1,347	0.05	0.01	—	1,352	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.06	0.05	0.08	0.82	< 0.005	< 0.005	0.21	0.21	< 0.005	0.05	0.05	—	239	239	0.01	0.01	0.77	243	
Total	0.06	0.05	0.08	0.82	< 0.005	< 0.005	0.21	0.21	< 0.005	0.05	0.05	—	239	239	0.01	0.01	0.77	243	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.06	0.05	0.09	0.66	< 0.005	< 0.005	0.21	0.21	< 0.005	0.05	0.05	—	224	224	0.01	0.01	0.02	227	
Total	0.06	0.05	0.09	0.66	< 0.005	< 0.005	0.21	0.21	< 0.005	0.05	0.05	—	224	224	0.01	0.01	0.02	227	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.01	0.01	0.02	0.11	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	34.0	34.0	< 0.005	< 0.005	0.05	34.6	
Total	0.01	0.01	0.02	0.11	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	34.0	34.0	< 0.005	< 0.005	0.05	34.6	

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.06	0.05	0.08	0.82	< 0.005	< 0.005	0.21	0.21	< 0.005	0.05	0.05	—	239	239	0.01	0.01	0.77	243
Total	0.06	0.05	0.08	0.82	< 0.005	< 0.005	0.21	0.21	< 0.005	0.05	0.05	—	239	239	0.01	0.01	0.77	243
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.06	0.05	0.09	0.66	< 0.005	< 0.005	0.21	0.21	< 0.005	0.05	0.05	—	224	224	0.01	0.01	0.02	227
Total	0.06	0.05	0.09	0.66	< 0.005	< 0.005	0.21	0.21	< 0.005	0.05	0.05	—	224	224	0.01	0.01	0.02	227
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.01	0.01	0.02	0.11	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	34.0	34.0	< 0.005	< 0.005	0.05	34.6
Total	0.01	0.01	0.02	0.11	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	34.0	34.0	< 0.005	< 0.005	0.05	34.6

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00		
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00		
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e			
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.77	3.97	4.74	0.08	< 0.005	—	7.27	
Total	—	—	—	—	—	—	—	—	—	—	—	0.77	3.97	4.74	0.08	< 0.005	—	7.27	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.77	3.97	4.74	0.08	< 0.005	—	7.27	
Total	—	—	—	—	—	—	—	—	—	—	—	0.77	3.97	4.74	0.08	< 0.005	—	7.27	
Annual	—	—	—	—	—	—	—	—	—	—	—	0.77	3.97	4.74	0.08	< 0.005	—	7.27	
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.13	0.66	0.78	0.01	< 0.005	—	1.20	
Total	—	—	—	—	—	—	—	—	—	—	—	0.13	0.66	0.78	0.01	< 0.005	—	1.20	

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.77	3.97	4.74	0.08	< 0.005	—	7.27	
Total	—	—	—	—	—	—	—	—	—	—	—	0.77	3.97	4.74	0.08	< 0.005	—	7.27	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.77	3.97	4.74	0.08	< 0.005	—	7.27	
Total	—	—	—	—	—	—	—	—	—	—	—	0.77	3.97	4.74	0.08	< 0.005	—	7.27	
Annual	—	—	—	—	—	—	—	—	—	—	—	0.77	3.97	4.74	0.08	< 0.005	—	7.27	
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.13	0.66	0.78	0.01	< 0.005	—	1.20	
Total	—	—	—	—	—	—	—	—	—	—	—	0.13	0.66	0.78	0.01	< 0.005	—	1.20	

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Light Industry	—	—	—	—	—	—	—	—	—	1.16	0.00	1.16	0.12	0.00	—	4.04
Total	—	—	—	—	—	—	—	—	—	1.16	0.00	1.16	0.12	0.00	—	4.04
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	1.16	0.00	1.16	0.12	0.00	—	4.04
Total	—	—	—	—	—	—	—	—	—	1.16	0.00	1.16	0.12	0.00	—	4.04
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	0.19	0.00	0.19	0.02	0.00	—	0.67
Total	—	—	—	—	—	—	—	—	—	0.19	0.00	0.19	0.02	0.00	—	0.67

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO ₂	PM ₁₀ E	PM ₁₀ D	PM ₁₀ T	PM _{2.5} E	PM _{2.5} D	PM _{2.5} T	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.16	0.00	1.16	0.12	0.00	—	4.04	
Total	—	—	—	—	—	—	—	—	—	—	—	1.16	0.00	1.16	0.12	0.00	—	4.04	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.16	0.00	1.16	0.12	0.00	—	4.04	
Total	—	—	—	—	—	—	—	—	—	—	—	1.16	0.00	1.16	0.12	0.00	—	4.04	

	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Total	—	—	—	—	—	—	—	—	—	—	—	1.16	0.00	1.16	0.12	0.00	—	4.04
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.19	0.00	0.19	0.02	0.00	—	0.67
Total	—	—	—	—	—	—	—	—	—	—	—	0.19	0.00	0.19	0.02	0.00	—	0.67

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	—	0.00

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipme Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipme nt Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avoided	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sequestered	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Removed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily, Winter (Max)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avoided	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sequestered	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Improvements	Building Construction	4/1/2025	4/1/2027	5.00	523	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Improvements	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Improvements	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37

Improvements	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Improvements	Graders	Diesel	Average	1.00	8.00	148	0.41
Improvements	Pavers	Diesel	Average	1.00	8.00	81.0	0.42

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Improvements	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Improvements	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Improvements	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Improvements	Graders	Diesel	Average	1.00	8.00	148	0.41
Improvements	Pavers	Diesel	Average	1.00	8.00	81.0	0.42

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Improvements	—	—	—	—
Improvements	Worker	0.00	18.5	LDA,LDT1,LDT2
Improvements	Vendor	0.00	10.2	HHDT,MHDT
Improvements	Hauling	0.00	20.0	HHDT
Improvements	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Improvements	—	—	—	—
Improvements	Worker	0.00	0.00	LDA,LDT1,LDT2

Improvements	Vendor	0.00	10.2	HHDT,MHDT
Improvements	Hauling	0.00	20.0	HHDT
Improvements	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
------------	--	--	--	--	-----------------------------

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
------------	------------------------	------------------------	----------------------	-------------------------------	---------------------

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Light Industry	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
------	--------------	-----	-----	-----

2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Light Industry	8.58	3.44	8.65	2,868	295	118	297	98,480

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Light Industry	8.58	3.44	8.65	2,868	295	118	297	98,480

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Light Industry	0.00	532	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Light Industry	0.00	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

General Light Industry	400,063	0.00
5.12.2. Mitigated		
Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Light Industry	400,063	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Light Industry	2.15	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Light Industry	2.15	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
----------------	-----------	-------------	----------------	---------------	------------	-------------

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
----------------	-----------	-------------	----------------	---------------	------------	-------------

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Horsepower	Load Factor
----------------	-----------	----------------	---------------	------------	-------------

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
----------------	-----------	--------	--------------------------	------------------------------	------------------------------

5.17. User Defined

Equipment Type	Fuel Type
----------------	-----------

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
--------------------------	----------------------	---------------	-------------

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
--------------------------	----------------------	---------------	-------------

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
--------------------	---------------	-------------

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
--------------------	---------------	-------------

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
-----------	--------	------------------------------	------------------------------

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
-----------	--------	------------------------------	------------------------------

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	32.2	annual days of extreme heat

Extreme Precipitation	8.10	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	51.3	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi. Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	5	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	5	1	1	4
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	91.1
AQ-PM	8.75
AQ-DPM	1.99
Drinking Water	94.5
Lead Risk Housing	48.4
Pesticides	34.1
	55 / 60

Toxic Releases	9.44
Traffic	2.40
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	35.0
Haz Waste Facilities/Generators	16.6
Impaired Water Bodies	0.00
Solid Waste	83.3
Sensitive Population	—
Asthma	25.8
Cardio-vascular	55.3
Low Birth Weights	83.5
Socioeconomic Factor Indicators	—
Education	10.3
Housing	45.0
Linguistic	—
Poverty	61.1
Unemployment	81.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	30.18093161
Employed	34.62081355
Median HI	31.1176697
Education	—

Bachelor's or higher	61.5167458
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	89.83703323
Active commuting	69.22879507
Social	—
2-parent households	65.95662774
Voting	71.97484922
Neighborhood	—
Alcohol availability	90.09367381
Park access	81.35506224
Retail density	10.74040806
Supermarket access	34.31284486
Tree canopy	91.35121263
Housing	—
Homeownership	75.87578596
Housing habitability	81.53471064
Low-inc homeowner severe housing cost burden	32.73450533
Low-inc renter severe housing cost burden	82.80508148
Uncrowded housing	66.9190299
Health Outcomes	—
Insured adults	34.33850892
Arthritis	0.0
Asthma ER Admissions	39.5
High Blood Pressure	0.0
Cancer (excluding skin)	0.0

Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	51.7
Cognitively Disabled	58.3
Physically Disabled	18.7
Heart Attack ER Admissions	3.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	91.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	85.1
SLR Inundation Area	0.0
Children	55.0
Elderly	12.9
English Speaking	84.4
Foreign-born	25.7
Outdoor Workers	28.0
Climate Change Adaptive Capacity	—

Impervious Surface Cover	99.2
Traffic Density	1.1
Traffic Access	23.0
Other Indices	—
Hardship	46.1
Other Decision Support	—
2016 Voting	89.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	42.0
Healthy Places Index Score for Project Location (b)	45.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
 b: The maximum Healthy Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Land Use	Improvements to WWTP
Construction: Construction Phases	One construction phase for 24 months
Construction: Off-Road Equipment	Construction specific equipment

Appendix D: ~~Reserved~~ Responses to Public Comments

Response to Public Comment

This appendix provides a summary of comments received during the public review for the Initial Study and Mitigated Negative Declaration (IS/MND) for the Idyllwild Wastewater Treatment Plant Improvement Project (project) located in the community of Idyllwild in Riverside County. In accordance with the California Environmental Quality Act (CEQA), Idyllwild Water District (IWD) prepared the IS/MND, Notice of Completion (NOC), and Notice of Availability (NOA), which were submitted to the California State Clearinghouse (SCH) (SCH Number 2024051129) on May 24, 2024. The IS/MND was circulated for State and local public review for 30 days, ending June 24, 2024. The IWD mailed an NOA to their standard mailing radius (properties within 300 feet of the project site) announcing the public review period start date of the IS/MND. The NOA was also posted to the IWD website on May 24, 2024.

Comments Received

IWD received one agency comment letter on the Draft IS/MND from South Coast Air Quality Management District (SCAQMD). No other public comments from other agencies or individuals were received during the Draft IS/MND public review period.

Responses to Comments

Table D-1, below, provides the letter number, a summary of the comments, and a brief reply to each comment. Any revisions to the IS/MND resulting from the comment letter are identified below in the Conclusion section, and provided in the appropriate IS/MND section. Deleted text is shown in ~~strikeout~~ (e.g., ~~text~~) and new text is shown in double underline (e.g., new text).

Table D-1: Public Review Comment Summary

Comment Number	Comment Summary	Response
Letter A: South Coast Air Quality Management District		
A-1	The SCAQMD identifies several rules that are applicable to the project, permits that may be required for construction and operation activities.	The IWD will coordinate with SCAQMD to obtain any permits required and to comply with the SCAQMD Rules applicable to the project. Edits to the IS/MND have been made on page 20 adding a bullet to reflect that IWD would abide by SCAQMD Rules and obtain permits as applicable.
A-2	The SCAQMD states that if new stationary sources are proposed that air permits would need to be obtained by the project proponent and SCAQMD would be a Responsible Agency under CEQA Guidelines	The proposed project will operate in the same manner as existing conditions. A new emergency generator (240 kilowatt) would replace the existing 20-year-old inefficient emergency generator.

	Section 15086. A discussion about new stationary equipment requiring SCAQMD Permits should be added to the IS/MND.	This new emergency generator would operate on an as needed basis during emergency power outages. The new emergency generator will be more efficient and will generate less air quality emissions when compared to the existing 20-year-old generator. A short qualitative operational discussion has been added under Threshold B, page 21, and edits have been provided under Threshold C, page 21, discussions.
A-3	SCAQMD requests that the Final IS/MND include calculations for operation emissions for new stationary sources, specifically the new generator proposed as part of the improvements.	Operational air quality emissions of the WWTP will not exceed what is being generated under existing conditions. A new emergency generator will replace the existing 20-year-old emergency generator. The new generator will operate more efficiently and is designed to reduce emissions generation. For these reasons, a qualitative operational analysis presented under Thresholds B and C is justified and a quantitative analysis is not warranted.
A-4	SCAQMD requests that Table 4.1.2-1 include construction emissions estimates for SO _x and VOC compared to SCAQMD's thresholds for these emissions.	Table 4.1.2-1 of the IS/MND has been updated to add construction emissions results of SO _x and VOC compared to the SCAQMD's thresholds of the same emissions. The project will not exceed the SCAQMD's thresholds. Revisions for Table 4.1.2-1 are on page 19 and 20.
A-5	SCAQMD notes a consistency issue with emissions calculation of CO _{2e} of 159 <i>tons per day</i> vs what appears in Table 4.4.2-1 159 <i>tons per year</i> . SCAQMD requests that this consistency be revised in the Final IS/MND.	Revisions have been made to delete "day" and replace with "year" to two sentences on page 39 under Thresholds A and B discussions.

Public Hearing

The IWD Board of Supervisors will conduct a Public Hearing to consider adoption of the IS/MND on July 17th, 2024 at 25945 Highway 243 Idyllwild, California 92549 at 6:00 p.m.

Conclusion

Minor editorial revisions were made in the IS/MND in the following sections:

- Cover
- Project Description
- Appendix B
- Appendix D (Added)
- Appendix E (Added)

Revisions to the IS/MND based on the SCAQMD comment letter (Letter A) received:

- **Revisions associated with comment A-1:** Page 20 of the IS/MND in Section 4.1 Air Quality, under the Threshold B analysis included the addition of text to the bulleted list of Best Management Practices, as follows.

“The proposed project shall comply with the following SCAQMD Rules (as applicable): Rule 403 – Fugitive Dust; Rule 1166 Volatile Organic Compound Emissions from Decontamination of Soil; Rule 1466 – Control of Particulate Emissions from Soils with Toxic Air Contaminants; Rule 201 – Permit to Construct; Rule 203 – Permit to Operate; Rule 401 – Visible Emissions; Rule 402 – Nuisance; Rule 1110.2 – Emissions from Gaseous- and Liquid Fueled Engines; Rule 1113 – Architectural Coatings; Regulation XIII – New Source Review; Rule 1401 – New Source Review of Toxic Air Contaminants; and, Rule 1470 – Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines.”

- **Revisions associated with Comments A-2 and A-3:** The following qualitative operational analysis was added to the IS/MND under Section 4.1.2 Threshold B and C analysis:

Threshold B – “Once improvements are in place, the proposed project would operate similar to existing conditions. A new 240 KW emergency generator (stationary source) would replace the existing 20-year-old inefficient emergency generator and would operate only under emergency power outages or during short monthly testing. The new generator would operate more efficiently than the old 20-year-old generator, would be designed to meet (or exceed) air quality emissions standards, and would only operate an average of 50 hours per year. For these reasons, operation of the improvements associated with the proposed project would not generate air quality emissions that would exceed current emissions

generated by the WWTP. Operational impacts would be less than significant.

Threshold C- “Sensitive receptors would not experience a permanent increase in air pollutant emissions as a result of project operation because the new facility is not an expansion of capacity. Operations would be similar to existing conditions and would not result in new sources of emissions of criteria pollutants over time, including PM2.5, PM10, and ozone. The new emergency generator (stationary source) would operate more efficiently and generate less air quality emissions than the 20-year-old emergency generator existing on the project site. The proposed project would not exceed air quality emissions thresholds during operation; therefore, impacts to sensitive receptors would be less than significant. No mitigation measures are required.

- **Revisions associated with Comment A-4:** Table 4.1.2-1 of the IS/MND has been revised to add emission estimates for SO_x and VOC, added SCAQMD Thresholds for SO_x and VOC, and added text indicating if the estimated emissions of SO_x and VOC exceed the SCAQMD Thresholds for these emissions. Revisions are shown below:

Table 4.1.2-1: Construction Emissions Estimations

CONSTRUCTION YEAR	POLLUTANT (MPOUNDS PER DAY)					
	VOC	SO _x	NO _x	PM ₁₀	PM _{2.5}	CO
2025	<u>0.79</u>	<u>0.01</u>	7.10	0.34	0.32	8.70
2026	<u>0.75</u>	<u>0.01</u>	6.61	0.31	0.28	8.67
2027	<u>0.72</u>	<u>0.01</u>	6.26	0.28	0.26	8.68
SCAQMD Significance Thresholds	<u>75</u>	<u>150</u>	100	150	55	550
<i>Exceed SCAQMD Thresholds?</i>	<u>No</u>	<u>No</u>	No	No	No	No

Source: Dewberry, 2024

- **Revisions associated with comment A-5:** Under Threshold A analysis of Section 4.4.2, first paragraph under Table 4.4.2-1, the following sentence was revised to remove “day” and add “year”:

“The estimated GHG emissions resulting from the project’s construction would be a maximum of approximately 159.015 tons of CO_{2e} per day year, totaling approximately 144.255 MTCO_{2e} per year for the 24-month construction period.”

Under Threshold B analysis of Section 4.4.2, first sentence on page 39, the following sentence was revised to remove “day” and add “year”:

“As discussed above, the proposed project’s construction activity would generate an estimated maximum of approximately 159.015 tons of CO₂e per ~~day~~ year, totaling approximately 144.255 MTCO₂e per year for the 24-month construction period.”

The lead agency, IWD, has carefully considered the IS/MND, has considered public comments received, and has determined that no new information has been added to the IS/MND in response to the public comment. As defined by Section 15073.5(a) of CEQA, the environmental document, while having minor edits, will not require any “substantial revisions.” Pursuant to Section 15073.5(c) of CEQA, the environmental document does not require recirculation.



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

SENT VIA E-MAIL:

June 21, 2024

cgraham@Dewberry.com

Chris Graham, Senior Environmental Scientist
Idyllwild Water District
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

Mitigated Negative Declaration (MND) for the Idyllwild Wastewater Treatment Plant Improvement Project (Proposed Project) (SCH No. 2024051129)

South Coast Air Quality Management District (South Coast AQMD) staff appreciates the opportunity to review the above-mentioned document. The Idyllwild Water District (IWD) is the California Environmental Quality Act (CEQA) Lead Agency for the Proposed Project. To provide context, South Coast AQMD staff (Staff) has provided a brief summary of the project information and prepared the following comments.

South Coast AQMD Staff's Summary of Project Information in the MND

Based on information provided in the MND, the Proposed Project consists of construction and operation of improvements to the Idyllwild Wastewater Treatment Plant (WWTP) located approximately 255 feet north of the Idyllwild Arts Amphitheater in Idyllwild, CA 92549.¹ The Proposed Project would occur partly within the existing WWTP and on recently acquired land adjacent to the existing WWTP for a total Proposed Project site area of 1.73 acres.² The existing WWTP has a treatment capacity of 0.25 million gallons per day (MGD), was constructed in 1966 and became operational in 1971 (making it over 50 years old), and has now exceeded its intended design life.^{3,4} The purpose of the Proposed Project improvements would be to: 1) address existing lack of redundancy to provide time for system maintenance; 2) address removal efficiencies for biological oxygen demand (BOD) and total suspended solids (TSS) to avoid permit exceedances; 3) expand equalization capacity to handle high precipitation events; and 4) integrate all facilities under one system and allow modern monitoring and control of the treatment plant. The Proposed Project will not be an expansion of the treatment capacity of the existing WWTP.⁵ The Proposed Project's specific workplan consists of the following: 1) improvements to the headworks to include new flume and splitter box; 2) additional equalization for heavy precipitation events/two new secondary treatment bioreactors; 3) new sludge holding tank and new sludge handling system; 4) new supervisory control and data acquisition (SCADA) system to integrate controls for plant; 5) new blowers and associated controls in existing blower room; and 6) new generator and automatic transfer for standby power. Construction of the

¹ Draft Initial Study/Mitigated Negative Declaration for the Idyllwild Wastewater Treatment Plant Improvement Project (IS/MND). Pages 5 and 6.

² *Ibid.* Page 13 and Figure 1-2.

³ *Ibid.* Page 19.

⁴ *Ibid.* Page 5.

⁵ *Ibid.* Page 42.

Proposed Project is anticipated to commence in the second quarter of 2025, last 24 months, and be completed by the second quarter of 2027.⁶

South Coast AQMD Staff's Comments on the MND

Proposed Project May Be Subject to the Following Permitting and Compliance Requirements

1. During any activities capable of generating fugitive dust (including but not limited to earthmoving activities), actions to prevent, reduce, or mitigate fugitive dust emissions for compliance with South Coast AQMD Rule 403 – Fugitive Dust may be required.
2. Excavation/grading work associated with preparation and/or construction of the Proposed project may be subject to South Coast AQMD Rule 1166 – Volatile Organic Compound Emissions from Decontamination of Soil and as such may require a Rule 1166 VOC contaminated soil mitigation plan. In addition, if certain toxic air contaminants are identified in the soil, compliance with South Coast AQMD Rule 1466 – Control of Particulate Emissions from Soils with Toxic Air Contaminants may also be required.
3. A Permit to Construct/Operate application will be required for the proposed alterations/modifications to the existing wastewater treatment system.
4. A Permit to Construct/Operate application will be required for any new or modified air pollution control systems associated with the plant improvements.
5. A Permit to Construct/Operate application may be required for prime and/or emergency stationary engines powering pumps, generators, compressors, etc., if the engines are rated above 50 brake horsepower (BHP).
6. A Permit to Construct/Operate application may be required for any sludge holding tanks with safety relief valves that may potentially release air contaminants/odors.
7. Permit to Construct/Operate applications or the use of equipment with appropriate portable equipment permits may be required for equipment used for vegetation/tree removal and associated material handling, such as a chipper, grinder, or screener. Also note that if the chipper, grinder, or screener is powered by an engine, the engine will require a separate permit application consistent with item No. 5 above.

In addition to the aforementioned South Coast AQMD Rules 403, 1166, and 1466, the following South Coast AQMD rules and regulations are the most pertinent to the Proposed Project and include but are not limited to: Rule 201 – Permit to Construct, Rule 203 – Permit to Operate, Rule 401 – Visible Emissions, Rule 402 – Nuisance, Rule 1110.2 – Emissions from Gaseous- and Liquid-Fueled Engines, Rule 1113 – Architectural Coatings, Regulation XIII – New Source Review, Rule 1401 – New Source Review of Toxic Air Contaminants, and Rule 1470 – Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines.

⁶ *Ibid.* Appendix C: CalEEMod Air Quality/Greenhouse Gas Output, p. 46/60.

South Coast AQMD Air Permits and Role as a Responsible Agency

As mentioned earlier in this letter, Staff notes that the Proposed Project will be equipped with a new emergency generator to be housed in a new electrical building and that a fuel tank will also be installed to provide power to the new generator.⁷ The Lead Agency states that the new generator will replace the currently operating emergency Onan power generator rated at 125 kilowatts (kW).⁸ The Lead Agency also states that South Coast AQMD Permits to Construct and Operate for Public and Private Waste Water Treatment Works may be required.⁹ If implementation of the Proposed Project would require the use of new stationary sources, including but not limited to emergency generators, fire water pumps, boilers, etc., air permits from South Coast AQMD will be required and the role of South Coast AQMD would change from a Commenting Agency to a Responsible Agency under CEQA. In addition, if South Coast AQMD is identified as a Responsible Agency, per CEQA Guidelines Section 15086, the Lead Agency is required to consult with South Coast AQMD. Furthermore, CEQA Guidelines Section 15096 sets forth specific procedures for a Responsible Agency, including making a decision on the adequacy of the CEQA document for use as part of evaluating the applications for air permits. For these reasons, the Final MND should include a discussion about any new stationary equipment requiring South Coast AQMD air permits and identify South Coast AQMD as a Responsible Agency for the Proposed Project.

A-2

The Final MND should also include calculations and analyses for construction and operation emissions for any new stationary sources, as this information will also be relied upon as the basis for the permit conditions and emission limits for the air permit(s). Based on the CalEEMod output files in Appendix C (see Figure 1) and additional technical data files provided to Staff upon request (email communication with Chris Graham, June 11, 2024), it appears that emission calculations and associated analyses for the Proposed Project's new emergency generator were not included in the MND. Please contact South Coast AQMD's Waste Management Engineering and Permitting staff at (909) 396-3627 for questions regarding what types of equipment would require applications for new air permits. For more general information on permits, please visit South Coast AQMD's webpage at: <http://www.aqmd.gov/home/permits>.

A-3

⁷ *Ibid.* Page 8.

⁸ *Ibid.* Page 8.

⁹ *Ibid.* Page 10.

5.15 Operational Off Road Equipment

5.15.1 Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
----------------	-----------	-------------	----------------	---------------	------------	-------------

5.15.2 Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
----------------	-----------	-------------	----------------	---------------	------------	-------------

5.16 Stationary Sources

5.16.1 Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
----------------	-----------	----------------	---------------	----------------	------------	-------------

5.16.2 Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
----------------	-----------	--------	--------------------------	------------------------------	------------------------------

5.17 User Defined

Equipment Type	Fuel Type
----------------	-----------

5.18 Vegetation

5.18.1 Land Use Change

5.18.1.1 Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
--------------------------	----------------------	---------------	-------------

52 / 60

Figure 1. Screenshot of Appendix C: CalEEMod Air Quality/Greenhouse Gas Output, p. 52/60

Additional comments for consideration:

- In Section 4.1.2, the Proposed Project’s calculated construction regional emissions have been compared to South Coast AQMD’s CEQA regional pollutant emissions significance thresholds for **NO_x**, **PM₁₀**, **PM_{2.5}**, and **CO** to determine the Proposed Project’s air quality impacts as shown in Figure 2.¹⁰

Table 4.1.2-1: Construction Emissions Estimations

CONSTRUCTION YEAR	POLLUTANT (MPOUNDS PER DAY)			
	NO _x	PM ₁₀	PM _{2.5}	CO
2025	7.10	0.34	0.32	8.70
2026	6.61	0.31	0.28	8.67
2027	6.26	0.28	0.26	8.68
SCAQMD Significance Thresholds	100	150	55	550
<i>Exceed SCAQMD Thresholds?</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>

Source: Dewberry, 2024

Figure 2. Table 4.1.2-1: Construction Emissions Estimations. MND, p. 19-20.

South Coast AQMD recommends, however, that a Proposed Project’s calculated construction regional emissions also be compared to South Coast AQMD’s CEQA regional pollutant emissions significance thresholds for **SO_x** and **VOC**.¹¹ Although the

¹⁰ *Ibid.* Table 4.1.2-1: Construction Emissions Estimations. Pages 19 and 20.

¹¹ South Coast AQMD’s CEQA regional pollutant emissions significance thresholds can be found at: <https://www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf>

A-4

SO_x and **VOC** emissions were calculated in CalEEMod for the Proposed Project as can be seen in Appendix C, they were omitted in the Air Quality analysis section of the MND.¹² Staff recommends the Lead Agency include the **SO_x** and **VOC** emissions analysis and update the Final MND accordingly.

**A-4
con.**

- In Section 4.4.2, the estimated Greenhouse Gas (GHG) emissions calculation of CO_{2E}, listed as 159 tons per *day*, does not appear to be consistent with Table 4.4.2-1 which shows an annual CO_{2E} estimate of 159 tons per *year*.¹³ Staff recommends that the Lead Agency review these calculations and update the Final MND accordingly with the appropriate corrections.

A-5

Conclusion

The Lead Agency is recommended to revise the CEQA analysis to address the aforementioned comments and provide the necessary evidence to sufficiently support the conclusions reached. If the requested information and analysis are not included in the final CEQA document, either the Final MND or other type of CEQA document, the Lead Agency should provide reasons for not doing so. Pursuant to California Public Resources Code Section 21092.5(b) and CEQA Guidelines Section 15074, prior to approving the Proposed Project, the Lead Agency shall consider the MND for adoption together with any comments received during the public review process and notify each public agency when any public hearings are scheduled. Please provide South Coast AQMD with written responses to all comments contained herein prior to the adoption of the Final MND. When responding to issues raised in the comments, detailed reasons supported by substantial evidence in the record to explain why specific comments and suggestions are not accepted must be provided. In addition, if the Lead Agency decides to adopt the Final MND, please provide South Coast AQMD with a notice of any scheduled public hearing(s).

Thank you for the opportunity to provide comments. South Coast AQMD staff is available to work with the Lead Agency to address any air quality questions that may arise from this comment letter. Please contact Evelyn Aguilar, Air Quality Specialist, at eaquilar@aqmd.gov should you have any questions.

Sincerely,

Sam Wang

Sam Wang
Program Supervisor, CEQA IGR
Planning, Rule Development & Implementation

BR:AS:SW:EA
RVC240524-03
Control Number

¹² IS/MND. Pages 18 through 26.

¹³ *Ibid.* Pages 38 and 39.

Appendix E: Mitigation Monitoring and Reporting Plan

Idyllwild Wastewater Treatment Plant Improvement Project Mitigation and Monitoring Plan

MITIGATION MEASURE	TIMING	IMPLEMENTING PARTY	MONITORING PARTY	FREQUENCY AND DURATION	PERFORMANCE CRITERIA
<p>BIO-1: Nesting Birds: If construction, grading or other project-related activities in the undeveloped portions of the site (i.e., not within the existing WWTP) are scheduled during the nesting season (February 1 to August 31), a preconstruction nesting survey shall be conducted by a qualified biologist within 14 days from the beginning of construction. The preconstruction surveys shall be included suitable nesting habitat within 100 feet of the construction.</p> <p>If the preconstruction survey does not identify any active nests within areas potentially affected by construction activities, no further mitigation would be required.</p> <p>If the preconstruction survey identifies an active nest, a qualified biologist shall establish an appropriate no-work buffer around the active nest(s). The buffer shall be delineated using high visibility fencing. The size of the no-work buffer shall be determined by a qualified biologist based on the species, nest location relative to construction activities, and the nature of the proposed activities. Project activities shall be avoided within the no-work buffer until the nest is deemed no longer active by a qualified biologist.</p>	<p>Prior to construction</p>	<p>Qualified Biologist/Construction Contractor</p>	<p>IWD Staff</p>	<p>14 days prior to construction commencement</p>	
<p>BIO-2: Special-Status Plants</p> <ul style="list-style-type: none"> A qualified biologist or botanist shall conduct focused surveys for special-status plants during the normal blooming period for the target species. The surveys shall be conducted within the construction area and prior to any ground disturbing activities. The results of the survey shall be documented in a concise memorandum. If the survey results are negative, work can proceed without additional measures. If special-status plant species are identified within the construction area, a salvage and relocation plan shall be prepared to avoid and minimize direct impacts to special-status plants. The plan shall identify the methods of salvage (e.g., seed collection, individual transplants) and the relocation area(s), with onsite relocation areas being preferable. The plan shall also include provisions for long-term protections, monitoring, and management requirements that ensure the salvaged/relocated species are self-sustaining for a minimum of 5 years at a minimum 1:1 compensation-to-impact ratio. 	<p>Prior to construction</p>	<p>Qualified Biologist or Botanist/Construction Contractor</p>	<p>IWD Staff</p>	<p>During normal blooming period prior to construction commencement</p>	
<p>CUL-1: If subsurface deposits believed to be cultural or human in origin are discovered during construction, all work must halt within a 700-foot radius of the discovery. Depending on the nature of the find, a qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for prehistoric or historic archaeology, shall be retained to evaluate the significance of the find, and shall have the authority to modify the no work radius as appropriate, using professional judgment. The following notifications shall apply, as necessary:</p>	<p>During construction activities.</p>	<p>Construction Contractor/Qualified Professional Archaeologist</p>	<p>IWD Staff</p>	<p>During construction, specifically earthmoving activities.</p>	
<p>TCR-1: A member of the Cahujilla Band of Indians shall be present, as a monitor during all earthmoving activities of native (non-fill) soils during project construction activities. If artifacts are found during such activities, implementation of Mitigation Measure CUL-1 shall occur to ensure that such resources are protected as applicable.</p>	<p>During construction activities.</p>	<p>Construction Contractor/Cahujilla Band of Indians staff member/Qualified</p>	<p>IWD Staff</p>	<p>During construction, specifically earthmoving</p>	

Idyllwild Wastewater Treatment Plant Improvement Project Mitigation and Monitoring Plan

MITIGATION MEASURE	TIMING	IMPLEMENTING PARTY	MONITORING PARTY	FREQUENCY AND DURATION	PERFORMANCE CRITERIA
		Professional Archaeologist		activities of native (non-fill) soils	



IDYLLWILD WATER DISTRICT

Memo

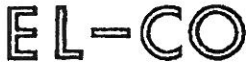
To: Board of Directors
From: Bill Rojas, General Manager
Date: July 17, 2024
Subject: Item 7 – EI- CO Contractors Bid

Recommendation:

The Board of Directors will consider approving the extend of the work on the pipeline from Jameson to Fern Valley Road.

Attachments:

- Expenses to continue work



CONTRACTORS, INC.

1995 Nolan Street, San Bernardino, CA 92407 • Telephone (909) 887-2610 or 887-1013 • Fax (909) 880-9091
P.O. Box 9130 San Bernardino, CA 92427

TO: Name Idyllwild Water District
Address P.O. Box 397
City Idyllwild, CA 92549

PROJECT:
LOCATION:

DATE: 7/12/2024 ATTN: Hosney Shouman TELEPHONE: _____

We propose to furnish Labor & Material to perform the work hereafter specified.

Phase III Raw Waterline Extension from Pinecrest to Fern Valley Road

1	1,000 LF	10-Inch C-900 CI-200 PVC Pipe	150.00	150,000.00
2	1,000 LF	Locator Wire	1.00	1,000.00
3	2 Each	Connections	14,000.00	28,000.00
4	1 Each	Bridge Crossing	12,000.00	12,000.00
5	13 Each	10-Inch Bends	983.00	12,779.00
6	1,000 LF	Cut, Remove & Repalce Base Course Asphalt	52.00	52,000.00
7	12,000 SqFt	Grind & Overlay Asphalt	6.50	78,000.00
8	Lump Sum	Compaction	3,500.00	3,500.00
9	Lump Sum	Traffic Control	7,500.00	7,500.00
10	Lump Sum	Hydrostatic Test	10,000.00	10,000.00
11	Lump Sum	Lodging & Subsistance	17,000.00	17,000.00
12	Lump Sum	Performance Bond	7,200.00	7,200.00
13	Lump Sum	Crossing at Pinecrest & South Circle Intersection	15,000.00	15,000.00

TOTAL: 393,979.00

NOTES: Any rock excavation that can not be done by a conventional backhoe - there would be an extra for the rock excavation.

1. Permits & Inspection fee by others.
2. Engineering & Staking by others.
3. Construction water to be furnished & paid for by others.
4. All work completed by the 25th of each month is due and payable on the 10th of the following month.
5. Final billings will be based on actual measurements of work at the above prices.

General conditions, on the reverse side, are an integral part of the agreement.

ACCEPTED:

EL-CO CONTRACTORS, INC.
STATE LICENSE NO. 317093

BY: _____

BY: John Wiles, Sec/GenMgr

DATED: _____



IDYLLWILD WATER DISTRICT

Memo

To: Board of Directors
From: Bill Rojas, General Manager
Date: July 17, 2024
Subject: Item 8 – Donahoo Well Easement and Agreement

Recommendation:

The Board of Directors will consider approving the Agreement and Easement for the Donahoo Well.

Attachments:

- Easement
- Agreement

PLEASE COMPLETE THIS INFORMATION
RECORDING REQUESTED BY:

Larry Donahoo

AND WHEN RECORDED MAIL TO:

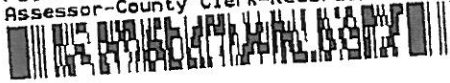
LARRY AND SHIRLEY DONAHOO
P.O. Box 1967
Idyllwild, CA 92549

2024-0146946

05/21/2024 11:18 AM Fee: \$ 23.00

Page 1 of 4

Recorded in Official Records
County of Riverside
Peter Aldana
Assessor-County Clerk-Recorder



Space above this line for recorder's use only

EASEMENT

Title of Document

802

TRA: 071-093

DTT: 0

Exemption reason declared pursuant to Government Code 27388.1

- This document is a transfer that is subject to the imposition of documentary transfer tax.
- This is a document recorded in connection with a transfer that is subject to the imposition of documentary transfer tax.
Document reference: Doc. #210713, rec. 7/28/1988
- This document is a transfer of real property that is a residential dwelling to an owner-occupier.
- This is a document recorded in connection with a transfer of real property that is a residential dwelling to an owner-occupier.
Document reference: _____

**THIS PAGE ADDED TO PROVIDE ADEQUATE SPACE FOR RECORDING INFORMATION
(\$3.00 Additional Recording Fee Applies)**

RECORDING REQUESTED BY:
Larry Donahoo

WHEN RECORDED MAIL DOCUMENT AND
TAX STATEMENT TO:

LARRY and SHIRLEY DONAHOO
P.O. Box 1967
Idyllwild, CA 92549

APN: 561-080-037
TRA: 071-093

THIS SPACE FOR RECORDER'S USE ONLY

EASEMENT

The undersigned Grantor(s) declare that the **DOCUMENTARY TRANSFER TAX IS: \$ 0**

X computed on the full value of the interest of property conveyed, or
 computed on the full value less the value of liens or encumbrances remaining thereon at the time of sale.
 OR transfer is EXEMPT from tax for the following reason:

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged LARRY E. DONAHOO and SHIRLEY J. DONAHOO, husband and wife as joint tenants

HEREBY GRANT(S) TO: IDYLLWILD WATER DISTRICT, a Public Agency

SEE EXHIBITS "A" AND "B" ATTACHED HERETO AND MADE A PART HEREOF:

Dated: April 16, 2024



LARRY E. DONAHOO



SHIRLEY J. DONAHOO

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

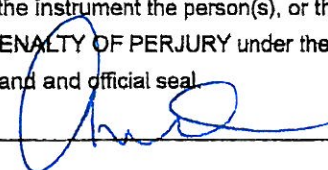
STATE OF CALIFORNIA }
COUNTY OF RIVERSIDE }

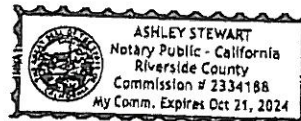
On May 16, 2024, before me, Ashley Stewart, a Notary Public
personally appeared Larry E. Donahoo and Shirley J. Donahoo

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

Signature  _____



MAIL TAX STATEMENTS AS DIRECTED ABOVE

(PLACE SEAL ABOVE)

Exhibit "A"

An easement in favor of the Idyllwild Water District, a Public Agency, for an existing water line, and an existing well house, over, under and across that portion of Parcel 3 of Parcel Map No. 16,919, recorded in Book 119, Pages 11 and 12 of Parcel Maps, records of Riverside County, California. Lying in Section 13, T.5S., R.2E., San Bernardino Base and Meridian.

Said parcel has an Assessor's Parcel Number of 561-080-037, and a physical address of 53692 Idyllbrook Drive, Idyllwild, California.

Said easement being further described as follows:

COMMENCING at the Southeast corner of the aforementioned Parcel 3,

THENCE South $59^{\circ}43'20''$ West, along the Southerly line thereof, 15.38 feet to the POINT OF BEGINNING of said easement;

THENCE North $31^{\circ}45'06''$ West, 82.55 feet to an angle point therein;

THENCE North $85^{\circ}43'54''$ West, 73.27 feet;

THENCE North $26^{\circ}37'26''$ West, 3.96 feet;

THENCE South $63^{\circ}22'39''$ West, 10.00 feet;

THENCE South $26^{\circ}37'26''$ East, 10.00 feet;

THENCE North $63^{\circ}22'39''$ East, 10.00 feet;

THENCE South $85^{\circ}43'54''$ East, 67.53 feet;

THENCE South $31^{\circ}45'06''$ East, 79.86 feet to a point on the Southerly line of said Parcel 3;

THENCE North $59^{\circ}43'20''$ East, along said Southerly line, 5.00 feet to the POINT OF BEGINNING.

Containing 865.03 square feet.

The bearings shown hereon are based upon said Parcel Map 16,919.

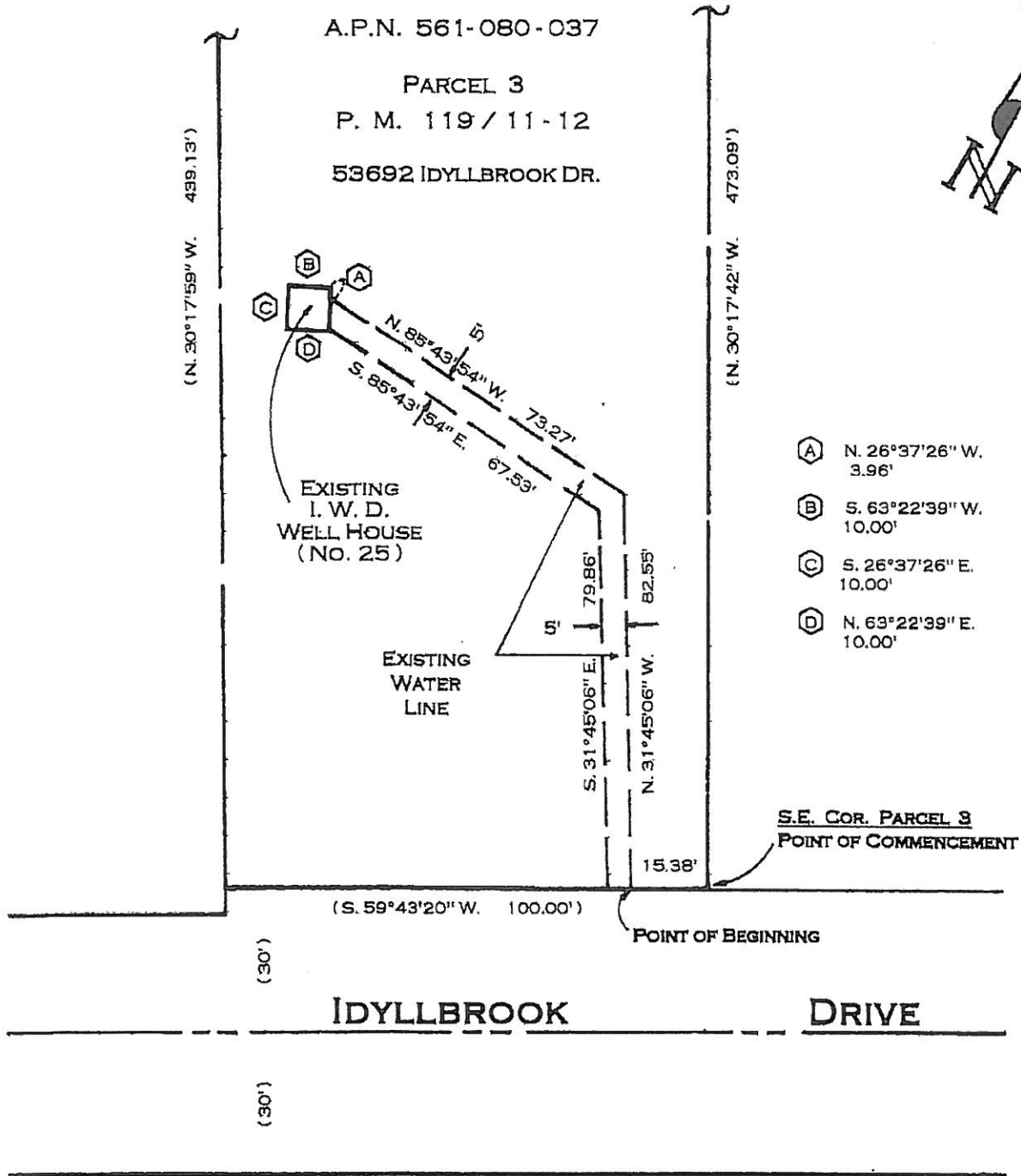
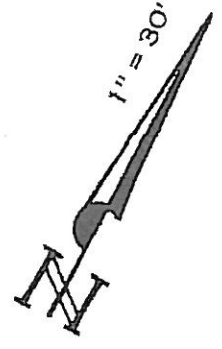
EXHIBIT "B"

A.P.N. 561-080-037

PARCEL 3

P. M. 119 / 11-12

53692 IDYLLBROOK DR.



RECORDING REQUESTED BY
AND WHEN RECORDED MAIL TO:

*Exempt from fees pursuant to Government
Code Section 6103, 27383*

Idyllwild Water District-
PO Box 1697
Idyllwild, CA 92549
ATTN: General Manager

APN: 561-080-037

SPACE ABOVE LINE FOR RECORDER

Documentary Transfer Tax \$ None (no consideration)

**GRANT OF EASEMENT AND
ACCESS AGREEMENT**

This Grant of Easement and Access Agreement (“Agreement”) is entered into by and between the Idyllwild Water District (“Grantee”) and Larry E. Donahoo and Shirley J. Donahoo (“Grantors”). Grantors and Grantee are sometimes collectively referred to herein as the “Parties.”

RECITALS

A. WHEREAS, Grantors are the owners of certain real property located at 53692 Idyllbrook Drive in the City of Idyllwild, County of Riverside, State of California (Assessor’s Parcel No. 561-080-037; “Property”).

B. WHEREAS, Grantee maintains an existing well house and water lines (“Facilities”) on the Property under a previous easement.

C. WHEREAS, the Parties formalized the easement through Inst. No. 2024-0146946, recorded with the County of Riverside Assessor-County Clerk Recorder Office, which is attached hereto as Exhibit “A” to this Agreement and fully incorporated herein.

D. NOW, THEREFORE, the Parties enter this Agreement to confirm the existing right of access to the Facilities.

AGREEMENT

1. Right of Access: Grantee shall have the right to access the Facilities from the Property for the purposes of ingress and egress, constructing and reconstructing, making improvements and repairs, performing maintenance, and such other activities as reasonably necessary and convenient to facilitate its use of the Facilities and to exercise all easement rights.

2. Mutual Indemnification: Grantee shall indemnify, defend and hold harmless Grantor, its successors and assigns, from and against any claims, liability or damage for personal injury, wrongful

death or property damage arising directly from the negligent acts or willful misconduct of Grantee, its agents, contractors, successors and assigns, while exercising the rights of Grantee under this Agreement. Grantor shall indemnify, defend and hold harmless Grantee, including its agents, contractors, successors and assigns, from and against any claim, liability or damage that is the result of the negligence or willful misconduct of Grantor, its agents, contractors, successors and assigns.

3. Successors and Assigns. This Agreement shall bind and inure to the benefit of the Parties hereto and their successors and assigns.

Dated: _____, 2024

LARRY E. DONAHOO

Dated: _____, 2024

SHIRLEY J. DONAHOO

Dated: _____, 2024

IDYLLWILD WATER DISTRICT

By: _____

EXHIBIT A - EASEMENT