

## Oasis Grow Facility Bay Area AQMD Air District, Mitigation Report

### Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	3.76000E-02	2.60530E-01	2.75230E-01	4.50000E-04	1.75800E-02	1.75800E-02	0.00000E+00	3.82988E+01	3.82988E+01	3.06000E-03	0.00000E+00	3.83753E+01
Cranes	6.20600E-02	7.38600E-01	2.86580E-01	7.60000E-04	3.08000E-02	2.83400E-02	0.00000E+00	6.71009E+01	6.71009E+01	2.15200E-02	0.00000E+00	6.76389E+01
Excavators	7.82000E-03	8.04600E-02	9.79000E-02	1.50000E-04	3.88000E-03	3.57000E-03	0.00000E+00	1.39106E+01	1.39106E+01	4.40000E-03	0.00000E+00	1.40206E+01
Forklifts	6.75500E-02	6.06440E-01	5.33520E-01	6.90000E-04	4.59100E-02	4.22400E-02	0.00000E+00	6.09459E+01	6.09459E+01	1.95400E-02	0.00000E+00	6.14345E+01
Generator Sets	6.24400E-02	5.39000E-01	5.56840E-01	9.90000E-04	3.11400E-02	3.11400E-02	0.00000E+00	8.47811E+01	8.47811E+01	5.00000E-03	0.00000E+00	8.49062E+01
Graders	7.30000E-03	9.86900E-02	2.75700E-02	1.00000E-04	3.17000E-03	2.91000E-03	0.00000E+00	8.94884E+00	8.94884E+00	2.83000E-03	0.00000E+00	9.01962E+00
Pavers	5.75000E-03	6.24900E-02	5.80300E-02	9.00000E-05	3.06000E-03	2.82000E-03	0.00000E+00	8.44586E+00	8.44586E+00	2.67000E-03	0.00000E+00	8.51266E+00
Paving Equipment	4.26000E-03	4.51300E-02	5.04700E-02	8.00000E-05	2.24000E-03	2.06000E-03	0.00000E+00	7.31770E+00	7.31770E+00	2.32000E-03	0.00000E+00	7.37558E+00
Rollers	4.53000E-03	4.48200E-02	3.81500E-02	5.00000E-05	2.95000E-03	2.71000E-03	0.00000E+00	4.71162E+00	4.71162E+00	1.49000E-03	0.00000E+00	4.74889E+00
Rubber Tired Dozers	3.40400E-02	3.62230E-01	1.28520E-01	2.60000E-04	1.76600E-02	1.62500E-02	0.00000E+00	2.30088E+01	2.30088E+01	7.28000E-03	0.00000E+00	2.31908E+01
Scrapers	3.19600E-02	3.87420E-01	2.41840E-01	4.50000E-04	1.51800E-02	1.39700E-02	0.00000E+00	4.08183E+01	4.08183E+01	1.29100E-02	0.00000E+00	4.11411E+01
Tractors/Loaders/Backhoes	9.76500E-02	9.80820E-01	1.01623E+00	1.38000E-03	6.36800E-02	5.85800E-02	0.00000E+00	1.22313E+02	1.22313E+02	3.91600E-02	0.00000E+00	1.23292E+02
Welders	5.37900E-02	2.38740E-01	2.67360E-01	3.80000E-04	1.37700E-02	1.37700E-02	0.00000E+00	2.82331E+01	2.82331E+01	4.38000E-03	0.00000E+00	2.83427E+01

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	3.76000E-002	2.60530E-001	2.75230E-001	4.50000E-004	1.75800E-002	1.75800E-002	0.00000E+000	3.82988E+001	3.82988E+001	3.06000E-003	0.00000E+000	3.83753E+001
Cranes	6.20600E-002	7.38600E-001	2.86580E-001	7.60000E-004	3.08000E-002	2.83400E-002	0.00000E+000	6.71008E+001	6.71008E+001	2.15200E-002	0.00000E+000	6.76388E+001
Excavators	7.82000E-003	8.04600E-002	9.79000E-002	1.50000E-004	3.88000E-003	3.57000E-003	0.00000E+000	1.39105E+001	1.39105E+001	4.40000E-003	0.00000E+000	1.40206E+001
Forklifts	6.75500E-002	6.06440E-001	5.33520E-001	6.90000E-004	4.59100E-002	4.22400E-002	0.00000E+000	6.09458E+001	6.09458E+001	1.95400E-002	0.00000E+000	6.14344E+001
Generator Sets	6.24400E-002	5.39000E-001	5.56840E-001	9.90000E-004	3.11400E-002	3.11400E-002	0.00000E+000	8.47810E+001	8.47810E+001	5.00000E-003	0.00000E+000	8.49061E+001
Graders	7.30000E-003	9.86900E-002	2.75700E-002	1.00000E-004	3.17000E-003	2.91000E-003	0.00000E+000	8.94883E+000	8.94883E+000	2.83000E-003	0.00000E+000	9.01961E+000
Pavers	5.75000E-003	6.24900E-002	5.80300E-002	9.00000E-005	3.06000E-003	2.82000E-003	0.00000E+000	8.44585E+000	8.44585E+000	2.67000E-003	0.00000E+000	8.51265E+000
Paving Equipment	4.26000E-003	4.51300E-002	5.04700E-002	8.00000E-005	2.24000E-003	2.06000E-003	0.00000E+000	7.31769E+000	7.31769E+000	2.32000E-003	0.00000E+000	7.37557E+000
Rollers	4.53000E-003	4.48200E-002	3.81500E-002	5.00000E-005	2.95000E-003	2.71000E-003	0.00000E+000	4.71162E+000	4.71162E+000	1.49000E-003	0.00000E+000	4.74888E+000
Rubber Tired Dozers	3.40400E-002	3.62230E-001	1.28520E-001	2.60000E-004	1.76600E-002	1.62500E-002	0.00000E+000	2.30088E+001	2.30088E+001	7.28000E-003	0.00000E+000	2.31908E+001
Scrapers	3.19600E-002	3.87410E-001	2.41840E-001	4.50000E-004	1.51800E-002	1.39700E-002	0.00000E+000	4.08182E+001	4.08182E+001	1.29100E-002	0.00000E+000	4.11411E+001
Tractors/Loaders/Balckhoes	9.76500E-002	9.80820E-001	1.01623E+000	1.38000E-003	6.36800E-002	5.85800E-002	0.00000E+000	1.22313E+002	1.22313E+002	3.91600E-002	0.00000E+000	1.23292E+002
Welders	5.37900E-002	2.38740E-001	2.67360E-001	3.80000E-004	1.37700E-002	1.37700E-002	0.00000E+000	2.82331E+001	2.82331E+001	4.38000E-003	0.00000E+000	2.83426E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.30552E-006	1.30552E-006	0.00000E+000	0.00000E+000	1.30292E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19223E-006	1.19223E-006	0.00000E+000	0.00000E+000	1.18275E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.43776E-006	1.43776E-006	0.00000E+000	0.00000E+000	1.42647E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14856E-006	1.14856E-006	0.00000E+000	0.00000E+000	1.13943E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17951E-006	1.17951E-006	0.00000E+000	0.00000E+000	1.17777E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.11746E-006	1.11746E-006	0.00000E+000	0.00000E+000	1.10869E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18401E-006	1.18401E-006	0.00000E+000	0.00000E+000	1.17472E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.36655E-006	1.36655E-006	0.00000E+000	0.00000E+000	1.35583E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.10576E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	8.69233E-007	8.69233E-007	0.00000E+000	0.00000E+000	1.29362E-006
Scrapers	0.00000E+000	2.58118E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.79954E-007	9.79954E-007	0.00000E+000	0.00000E+000	1.21533E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22636E-006	1.22636E-006	0.00000E+000	0.00000E+000	1.21662E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.06258E-006	1.06258E-006	0.00000E+000	0.00000E+000	1.05848E-006

**Fugitive Dust Mitigation**

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Grading	Fugitive Dust	0.10	0.05	0.10	0.05	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.09	0.05	0.09	0.05	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

**Operational Percent Reduction Summary**

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.05	0.24		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		



No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

### Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

### Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

### Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

### Solid Waste Mitigation

Mitigation Measures	Input Value
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Institute Recycling and Composting Services Percent Reduction in Waste Disposed	
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Oasis Grow Facility - Bay Area AQMD Air District, Annual

**Oasis Grow Facility**  
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**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	32.00	1000sqft	14.69	32,000.00	0
General Light Industry	4.00	1000sqft	0.09	4,000.00	0
Parking Lot	25.00	Space	0.22	10,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	281.31	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - CO2 intensity factor updated based on PG&E progress towards RPS

Land Use - Calculated disturbance area

Construction Phase - \*

Grading - PProject Info

Vehicle Trips - Based on Information from TJKM

Stationary Sources - Emergency Generators and Fire Pumps -

## Oasis Grow Facility - Bay Area AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblGrading	AcresOfGrading	75.00	15.00
tblGrading	MaterialExported	0.00	165.00
tblLandUse	LotAcreage	0.73	14.69
tblProjectCharacteristics	CO2IntensityFactor	641.35	281.31
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	202.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.13
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	ST_TR	1.32	3.06
tblVehicleTrips	SU_TR	0.68	3.06
tblVehicleTrips	WD_TR	6.97	3.06

## 2.0 Emissions Summary

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Oasis Grow Facility - Bay Area AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	5-1-2019	7-31-2019	1.3825	1.3825
2	8-1-2019	10-31-2019	0.9110	0.9110
3	11-1-2019	1-31-2020	0.8922	0.8922
4	2-1-2020	4-30-2020	0.8210	0.8210
5	5-1-2020	7-31-2020	0.8387	0.8387
6	8-1-2020	9-30-2020	0.4354	0.4354
		Highest	1.3825	1.3825

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1603	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1600e-003
Energy	4.8000e-003	0.0437	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	82.7214	82.7214	4.5400e-003	1.6200e-003	83.3182
Mobile	0.0364	0.1945	0.4935	1.8300e-003	0.1584	1.6800e-003	0.1601	0.0425	1.5700e-003	0.0441	0.0000	167.8901	167.8901	5.7800e-003	0.0000	168.0347
Stationary	0.0166	0.0463	0.0423	8.0000e-005		2.4400e-003	2.4400e-003		2.4400e-003	2.4400e-003	0.0000	7.6921	7.6921	1.0800e-003	0.0000	7.7191
Waste						0.0000	0.0000		0.0000	0.0000	9.0615	0.0000	9.0615	0.5355	0.0000	22.4495
Water						0.0000	0.0000		0.0000	0.0000	2.6411	5.7480	8.3891	0.2719	6.5300e-003	17.1310
<b>Total</b>	<b>0.2181</b>	<b>0.2845</b>	<b>0.5730</b>	<b>2.1700e-003</b>	<b>0.1584</b>	<b>7.4400e-003</b>	<b>0.1658</b>	<b>0.0425</b>	<b>7.3300e-003</b>	<b>0.0499</b>	<b>11.7027</b>	<b>264.0527</b>	<b>275.7553</b>	<b>0.8188</b>	<b>8.1500e-003</b>	<b>298.6535</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1603	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1600e-003
Energy	4.8000e-003	0.0437	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	82.7214	82.7214	4.5400e-003	1.6200e-003	83.3182
Mobile	0.0364	0.1945	0.4935	1.8300e-003	0.1584	1.6800e-003	0.1601	0.0425	1.5700e-003	0.0441	0.0000	167.8901	167.8901	5.7800e-003	0.0000	168.0347
Stationary	0.0166	0.0463	0.0423	8.0000e-005		2.4400e-003	2.4400e-003		2.4400e-003	2.4400e-003	0.0000	7.6921	7.6921	1.0800e-003	0.0000	7.7191
Waste						0.0000	0.0000		0.0000	0.0000	9.0615	0.0000	9.0615	0.5355	0.0000	22.4495
Water						0.0000	0.0000		0.0000	0.0000	2.6411	5.7480	8.3891	0.2719	6.5300e-003	17.1310
<b>Total</b>	<b>0.2181</b>	<b>0.2845</b>	<b>0.5730</b>	<b>2.1700e-003</b>	<b>0.1584</b>	<b>7.4400e-003</b>	<b>0.1658</b>	<b>0.0425</b>	<b>7.3300e-003</b>	<b>0.0499</b>	<b>11.7027</b>	<b>264.0527</b>	<b>275.7553</b>	<b>0.8188</b>	<b>8.1500e-003</b>	<b>298.6535</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**



## Oasis Grow Facility - Bay Area AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/1/2019	5/14/2019	5	10	
2	Grading	Grading	5/15/2019	6/25/2019	5	30	
3	Paving	Paving	6/26/2019	7/23/2019	5	20	
4	Building Construction	Building Construction	7/24/2019	9/15/2020	5	300	
5	Architectural Coating	Architectural Coating	8/7/2019	9/29/2020	5	300	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 15**

**Acres of Paving: 0.22**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 54,000; Non-Residential Outdoor: 18,000; Striped Parking Area: 600 (Architectural Coating – sqft)**

**OffRoad Equipment**

Oasis Grow Facility - Bay Area AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	21.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	19.00	8.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.1 Mitigation Measures Construction**

**3.2 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.2279	0.1103	1.9000e-004		0.0120	0.0120		0.0110	0.0110	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195
<b>Total</b>	<b>0.0217</b>	<b>0.2279</b>	<b>0.1103</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>0.0120</b>	<b>0.1023</b>	<b>0.0497</b>	<b>0.0110</b>	<b>0.0607</b>	<b>0.0000</b>	<b>17.0843</b>	<b>17.0843</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>17.2195</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.4600e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6433	0.6433	2.0000e-005	0.0000	0.6437
<b>Total</b>	<b>3.3000e-004</b>	<b>2.4000e-004</b>	<b>2.4600e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6433</b>	<b>0.6433</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6437</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.2 Site Preparation - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.2279	0.1103	1.9000e-004		0.0120	0.0120		0.0110	0.0110	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195
<b>Total</b>	<b>0.0217</b>	<b>0.2279</b>	<b>0.1103</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>0.0120</b>	<b>0.1023</b>	<b>0.0497</b>	<b>0.0110</b>	<b>0.0607</b>	<b>0.0000</b>	<b>17.0843</b>	<b>17.0843</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>17.2195</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.4600e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6433	0.6433	2.0000e-005	0.0000	0.6437
<b>Total</b>	<b>3.3000e-004</b>	<b>2.4000e-004</b>	<b>2.4600e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6433</b>	<b>0.6433</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6437</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.3 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0711	0.8178	0.5007	9.3000e-004		0.0357	0.0357		0.0329	0.0329	0.0000	83.5520	83.5520	0.0264	0.0000	84.2129
<b>Total</b>	<b>0.0711</b>	<b>0.8178</b>	<b>0.5007</b>	<b>9.3000e-004</b>	<b>0.0983</b>	<b>0.0357</b>	<b>0.1340</b>	<b>0.0505</b>	<b>0.0329</b>	<b>0.0834</b>	<b>0.0000</b>	<b>83.5520</b>	<b>83.5520</b>	<b>0.0264</b>	<b>0.0000</b>	<b>84.2129</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.2900e-003	6.4000e-004	1.0000e-005	1.8000e-004	1.0000e-005	1.9000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.8133	0.8133	4.0000e-005	0.0000	0.8143
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0900e-003	8.1000e-004	8.2200e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1443	2.1443	6.0000e-005	0.0000	2.1458
<b>Total</b>	<b>1.1900e-003</b>	<b>4.1000e-003</b>	<b>8.8600e-003</b>	<b>3.0000e-005</b>	<b>2.5500e-003</b>	<b>3.0000e-005</b>	<b>2.5800e-003</b>	<b>6.8000e-004</b>	<b>3.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>2.9576</b>	<b>2.9576</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>2.9601</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.3 Grading - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0711	0.8178	0.5007	9.3000e-004		0.0357	0.0357		0.0329	0.0329	0.0000	83.5519	83.5519	0.0264	0.0000	84.2128
<b>Total</b>	<b>0.0711</b>	<b>0.8178</b>	<b>0.5007</b>	<b>9.3000e-004</b>	<b>0.0983</b>	<b>0.0357</b>	<b>0.1340</b>	<b>0.0505</b>	<b>0.0329</b>	<b>0.0834</b>	<b>0.0000</b>	<b>83.5519</b>	<b>83.5519</b>	<b>0.0264</b>	<b>0.0000</b>	<b>84.2128</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.2900e-003	6.4000e-004	1.0000e-005	1.8000e-004	1.0000e-005	1.9000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.8133	0.8133	4.0000e-005	0.0000	0.8143
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0900e-003	8.1000e-004	8.2200e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1443	2.1443	6.0000e-005	0.0000	2.1458
<b>Total</b>	<b>1.1900e-003</b>	<b>4.1000e-003</b>	<b>8.8600e-003</b>	<b>3.0000e-005</b>	<b>2.5500e-003</b>	<b>3.0000e-005</b>	<b>2.5800e-003</b>	<b>6.8000e-004</b>	<b>3.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>2.9576</b>	<b>2.9576</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>2.9601</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.4 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371
Paving	2.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0148</b>	<b>0.1524</b>	<b>0.1467</b>	<b>2.3000e-004</b>		<b>8.2500e-003</b>	<b>8.2500e-003</b>		<b>7.5900e-003</b>	<b>7.5900e-003</b>	<b>0.0000</b>	<b>20.4752</b>	<b>20.4752</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.6371</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	4.0000e-004	4.1100e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0722	1.0722	3.0000e-005	0.0000	1.0729
<b>Total</b>	<b>5.4000e-004</b>	<b>4.0000e-004</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>3.2000e-004</b>	<b>1.0000e-005</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>1.0722</b>	<b>1.0722</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.0729</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.4 Paving - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371
Paving	2.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0148</b>	<b>0.1524</b>	<b>0.1467</b>	<b>2.3000e-004</b>		<b>8.2500e-003</b>	<b>8.2500e-003</b>		<b>7.5900e-003</b>	<b>7.5900e-003</b>	<b>0.0000</b>	<b>20.4752</b>	<b>20.4752</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.6371</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	4.0000e-004	4.1100e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0722	1.0722	3.0000e-005	0.0000	1.0729
<b>Total</b>	<b>5.4000e-004</b>	<b>4.0000e-004</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>3.2000e-004</b>	<b>1.0000e-005</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>1.0722</b>	<b>1.0722</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.0729</b>



Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1358	1.2120	0.9869	1.5500e-003		0.0742	0.0742		0.0697	0.0697	0.0000	135.1849	135.1849	0.0329	0.0000	136.0082
<b>Total</b>	<b>0.1358</b>	<b>1.2120</b>	<b>0.9869</b>	<b>1.5500e-003</b>		<b>0.0742</b>	<b>0.0742</b>		<b>0.0697</b>	<b>0.0697</b>	<b>0.0000</b>	<b>135.1849</b>	<b>135.1849</b>	<b>0.0329</b>	<b>0.0000</b>	<b>136.0082</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0400e-003	0.0555	0.0143	1.2000e-004	2.7300e-003	3.6000e-004	3.0900e-003	7.9000e-004	3.5000e-004	1.1400e-003	0.0000	11.1850	11.1850	6.5000e-004	0.0000	11.2011
Worker	3.9600e-003	2.9300e-003	0.0299	9.0000e-005	8.6300e-003	6.0000e-005	8.6900e-003	2.3000e-003	5.0000e-005	2.3500e-003	0.0000	7.8089	7.8089	2.1000e-004	0.0000	7.8141
<b>Total</b>	<b>6.0000e-003</b>	<b>0.0584</b>	<b>0.0442</b>	<b>2.1000e-004</b>	<b>0.0114</b>	<b>4.2000e-004</b>	<b>0.0118</b>	<b>3.0900e-003</b>	<b>4.0000e-004</b>	<b>3.4900e-003</b>	<b>0.0000</b>	<b>18.9938</b>	<b>18.9938</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>19.0152</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1358	1.2120	0.9869	1.5500e-003		0.0742	0.0742		0.0697	0.0697	0.0000	135.1848	135.1848	0.0329	0.0000	136.0081
<b>Total</b>	<b>0.1358</b>	<b>1.2120</b>	<b>0.9869</b>	<b>1.5500e-003</b>		<b>0.0742</b>	<b>0.0742</b>		<b>0.0697</b>	<b>0.0697</b>	<b>0.0000</b>	<b>135.1848</b>	<b>135.1848</b>	<b>0.0329</b>	<b>0.0000</b>	<b>136.0081</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0400e-003	0.0555	0.0143	1.2000e-004	2.7300e-003	3.6000e-004	3.0900e-003	7.9000e-004	3.5000e-004	1.1400e-003	0.0000	11.1850	11.1850	6.5000e-004	0.0000	11.2011
Worker	3.9600e-003	2.9300e-003	0.0299	9.0000e-005	8.6300e-003	6.0000e-005	8.6900e-003	2.3000e-003	5.0000e-005	2.3500e-003	0.0000	7.8089	7.8089	2.1000e-004	0.0000	7.8141
<b>Total</b>	<b>6.0000e-003</b>	<b>0.0584</b>	<b>0.0442</b>	<b>2.1000e-004</b>	<b>0.0114</b>	<b>4.2000e-004</b>	<b>0.0118</b>	<b>3.0900e-003</b>	<b>4.0000e-004</b>	<b>3.4900e-003</b>	<b>0.0000</b>	<b>18.9938</b>	<b>18.9938</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>19.0152</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1961	1.7747	1.5585	2.4900e-003		0.1033	0.1033		0.0972	0.0972	0.0000	214.2392	214.2392	0.0523	0.0000	215.5459
<b>Total</b>	<b>0.1961</b>	<b>1.7747</b>	<b>1.5585</b>	<b>2.4900e-003</b>		<b>0.1033</b>	<b>0.1033</b>		<b>0.0972</b>	<b>0.0972</b>	<b>0.0000</b>	<b>214.2392</b>	<b>214.2392</b>	<b>0.0523</b>	<b>0.0000</b>	<b>215.5459</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7000e-003	0.0815	0.0205	1.9000e-004	4.3900e-003	3.8000e-004	4.7700e-003	1.2700e-003	3.6000e-004	1.6300e-003	0.0000	17.8812	17.8812	9.6000e-004	0.0000	17.9053
Worker	5.8300e-003	4.1700e-003	0.0432	1.3000e-004	0.0139	9.0000e-005	0.0140	3.6900e-003	9.0000e-005	3.7800e-003	0.0000	12.1668	12.1668	2.9000e-004	0.0000	12.1742
<b>Total</b>	<b>8.5300e-003</b>	<b>0.0857</b>	<b>0.0637</b>	<b>3.2000e-004</b>	<b>0.0183</b>	<b>4.7000e-004</b>	<b>0.0188</b>	<b>4.9600e-003</b>	<b>4.5000e-004</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>30.0481</b>	<b>30.0481</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>30.0795</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1961	1.7747	1.5585	2.4900e-003		0.1033	0.1033		0.0972	0.0972	0.0000	214.2390	214.2390	0.0523	0.0000	215.5457
<b>Total</b>	<b>0.1961</b>	<b>1.7747</b>	<b>1.5585</b>	<b>2.4900e-003</b>		<b>0.1033</b>	<b>0.1033</b>		<b>0.0972</b>	<b>0.0972</b>	<b>0.0000</b>	<b>214.2390</b>	<b>214.2390</b>	<b>0.0523</b>	<b>0.0000</b>	<b>215.5457</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7000e-003	0.0815	0.0205	1.9000e-004	4.3900e-003	3.8000e-004	4.7700e-003	1.2700e-003	3.6000e-004	1.6300e-003	0.0000	17.8812	17.8812	9.6000e-004	0.0000	17.9053
Worker	5.8300e-003	4.1700e-003	0.0432	1.3000e-004	0.0139	9.0000e-005	0.0140	3.6900e-003	9.0000e-005	3.7800e-003	0.0000	12.1668	12.1668	2.9000e-004	0.0000	12.1742
<b>Total</b>	<b>8.5300e-003</b>	<b>0.0857</b>	<b>0.0637</b>	<b>3.2000e-004</b>	<b>0.0183</b>	<b>4.7000e-004</b>	<b>0.0188</b>	<b>4.9600e-003</b>	<b>4.5000e-004</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>30.0481</b>	<b>30.0481</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>30.0795</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.6 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0664					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.0964	0.0967	1.6000e-004		6.7600e-003	6.7600e-003		6.7600e-003	6.7600e-003	0.0000	13.4046	13.4046	1.1300e-003	0.0000	13.4329
<b>Total</b>	<b>0.0804</b>	<b>0.0964</b>	<b>0.0967</b>	<b>1.6000e-004</b>		<b>6.7600e-003</b>	<b>6.7600e-003</b>		<b>6.7600e-003</b>	<b>6.7600e-003</b>	<b>0.0000</b>	<b>13.4046</b>	<b>13.4046</b>	<b>1.1300e-003</b>	<b>0.0000</b>	<b>13.4329</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	5.6000e-004	5.7500e-003	2.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5010	1.5010	4.0000e-005	0.0000	1.5020
<b>Total</b>	<b>7.6000e-004</b>	<b>5.6000e-004</b>	<b>5.7500e-003</b>	<b>2.0000e-005</b>	<b>1.6600e-003</b>	<b>1.0000e-005</b>	<b>1.6700e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.5010</b>	<b>1.5010</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.5020</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.6 Architectural Coating - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0664					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.0964	0.0967	1.6000e-004		6.7600e-003	6.7600e-003		6.7600e-003	6.7600e-003	0.0000	13.4046	13.4046	1.1300e-003	0.0000	13.4329
<b>Total</b>	<b>0.0804</b>	<b>0.0964</b>	<b>0.0967</b>	<b>1.6000e-004</b>		<b>6.7600e-003</b>	<b>6.7600e-003</b>		<b>6.7600e-003</b>	<b>6.7600e-003</b>	<b>0.0000</b>	<b>13.4046</b>	<b>13.4046</b>	<b>1.1300e-003</b>	<b>0.0000</b>	<b>13.4329</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	5.6000e-004	5.7500e-003	2.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5010	1.5010	4.0000e-005	0.0000	1.5020
<b>Total</b>	<b>7.6000e-004</b>	<b>5.6000e-004</b>	<b>5.7500e-003</b>	<b>2.0000e-005</b>	<b>1.6600e-003</b>	<b>1.0000e-005</b>	<b>1.6700e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.5010</b>	<b>1.5010</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.5020</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.6 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1234					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0236	0.1642	0.1786	2.9000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	24.8942	24.8942	1.9300e-003	0.0000	24.9424
<b>Total</b>	<b>0.1470</b>	<b>0.1642</b>	<b>0.1786</b>	<b>2.9000e-004</b>		<b>0.0108</b>	<b>0.0108</b>		<b>0.0108</b>	<b>0.0108</b>	<b>0.0000</b>	<b>24.8942</b>	<b>24.8942</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>24.9424</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	9.2000e-004	9.5800e-003	3.0000e-005	3.0800e-003	2.0000e-005	3.1000e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.6999	2.6999	7.0000e-005	0.0000	2.7015
<b>Total</b>	<b>1.2900e-003</b>	<b>9.2000e-004</b>	<b>9.5800e-003</b>	<b>3.0000e-005</b>	<b>3.0800e-003</b>	<b>2.0000e-005</b>	<b>3.1000e-003</b>	<b>8.2000e-004</b>	<b>2.0000e-005</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>2.6999</b>	<b>2.6999</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.7015</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**3.6 Architectural Coating - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1234					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0236	0.1642	0.1786	2.9000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	24.8942	24.8942	1.9300e-003	0.0000	24.9424
<b>Total</b>	<b>0.1470</b>	<b>0.1642</b>	<b>0.1786</b>	<b>2.9000e-004</b>		<b>0.0108</b>	<b>0.0108</b>		<b>0.0108</b>	<b>0.0108</b>	<b>0.0000</b>	<b>24.8942</b>	<b>24.8942</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>24.9424</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	9.2000e-004	9.5800e-003	3.0000e-005	3.0800e-003	2.0000e-005	3.1000e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.6999	2.6999	7.0000e-005	0.0000	2.7015
<b>Total</b>	<b>1.2900e-003</b>	<b>9.2000e-004</b>	<b>9.5800e-003</b>	<b>3.0000e-005</b>	<b>3.0800e-003</b>	<b>2.0000e-005</b>	<b>3.1000e-003</b>	<b>8.2000e-004</b>	<b>2.0000e-005</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>2.6999</b>	<b>2.6999</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.7015</b>

**4.0 Operational Detail - Mobile**



Oasis Grow Facility - Bay Area AQMD Air District, Annual

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0364	0.1945	0.4935	1.8300e-003	0.1584	1.6800e-003	0.1601	0.0425	1.5700e-003	0.0441	0.0000	167.8901	167.8901	5.7800e-003	0.0000	168.0347
Unmitigated	0.0364	0.1945	0.4935	1.8300e-003	0.1584	1.6800e-003	0.1601	0.0425	1.5700e-003	0.0441	0.0000	167.8901	167.8901	5.7800e-003	0.0000	168.0347

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	97.92	97.92	97.92	378,311	378,311
General Light Industry	12.24	12.24	12.24	47,289	47,289
Parking Lot	0.00	0.00	0.00		
Total	110.16	110.16	110.16	425,599	425,599

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
General Light Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789
Parking Lot	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	35.1742	35.1742	3.6300e-003	7.5000e-004	35.4885
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	35.1742	35.1742	3.6300e-003	7.5000e-004	35.4885
NaturalGas Mitigated	4.8000e-003	0.0437	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5472	47.5472	9.1000e-004	8.7000e-004	47.8297
NaturalGas Unmitigated	4.8000e-003	0.0437	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5472	47.5472	9.1000e-004	8.7000e-004	47.8297

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	792000	4.2700e-003	0.0388	0.0326	2.3000e-004		2.9500e-003	2.9500e-003		2.9500e-003	2.9500e-003	0.0000	42.2641	42.2641	8.1000e-004	7.7000e-004	42.5153
General Light Industry	99000	5.3000e-004	4.8500e-003	4.0800e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.2830	5.2830	1.0000e-004	1.0000e-004	5.3144
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.8000e-003</b>	<b>0.0437</b>	<b>0.0367</b>	<b>2.6000e-004</b>		<b>3.3200e-003</b>	<b>3.3200e-003</b>		<b>3.3200e-003</b>	<b>3.3200e-003</b>	<b>0.0000</b>	<b>47.5472</b>	<b>47.5472</b>	<b>9.1000e-004</b>	<b>8.7000e-004</b>	<b>47.8297</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	792000	4.2700e-003	0.0388	0.0326	2.3000e-004		2.9500e-003	2.9500e-003		2.9500e-003	2.9500e-003	0.0000	42.2641	42.2641	8.1000e-004	7.7000e-004	42.5153
General Light Industry	99000	5.3000e-004	4.8500e-003	4.0800e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.2830	5.2830	1.0000e-004	1.0000e-004	5.3144
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.8000e-003</b>	<b>0.0437</b>	<b>0.0367</b>	<b>2.6000e-004</b>		<b>3.3200e-003</b>	<b>3.3200e-003</b>		<b>3.3200e-003</b>	<b>3.3200e-003</b>	<b>0.0000</b>	<b>47.5472</b>	<b>47.5472</b>	<b>9.1000e-004</b>	<b>8.7000e-004</b>	<b>47.8297</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	241920	30.8690	3.1800e-003	6.6000e-004	31.1448
General Light Industry	30240	3.8586	4.0000e-004	8.0000e-005	3.8931
Parking Lot	3500	0.4466	5.0000e-005	1.0000e-005	0.4506
<b>Total</b>		<b>35.1742</b>	<b>3.6300e-003</b>	<b>7.5000e-004</b>	<b>35.4885</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	241920	30.8690	3.1800e-003	6.6000e-004	31.1448
General Light Industry	30240	3.8586	4.0000e-004	8.0000e-005	3.8931
Parking Lot	3500	0.4466	5.0000e-005	1.0000e-005	0.4506
<b>Total</b>		<b>35.1742</b>	<b>3.6300e-003</b>	<b>7.5000e-004</b>	<b>35.4885</b>

**6.0 Area Detail**

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1603	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1600e-003
Unmitigated	0.1603	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1600e-003

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0190					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1412					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1600e-003
<b>Total</b>	<b>0.1603</b>	<b>1.0000e-005</b>	<b>5.6000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0900e-003</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1600e-003</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0190					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1412					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1600e-003
<b>Total</b>	<b>0.1603</b>	<b>1.0000e-005</b>	<b>5.6000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0900e-003</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Oasis Grow Facility - Bay Area AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	8.3891	0.2719	6.5300e-003	17.1310
Unmitigated	8.3891	0.2719	6.5300e-003	17.1310

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.325 / 0	8.3891	0.2719	6.5300e-003	17.1310
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>8.3891</b>	<b>0.2719</b>	<b>6.5300e-003</b>	<b>17.1310</b>

Oasis Grow Facility - Bay Area AQMD Air District, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.325 / 0	8.3891	0.2719	6.5300e-003	17.1310
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>8.3891</b>	<b>0.2719</b>	<b>6.5300e-003</b>	<b>17.1310</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	9.0615	0.5355	0.0000	22.4495
Unmitigated	9.0615	0.5355	0.0000	22.4495



Oasis Grow Facility - Bay Area AQMD Air District, Annual

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	44.64	9.0615	0.5355	0.0000	22.4495
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>9.0615</b>	<b>0.5355</b>	<b>0.0000</b>	<b>22.4495</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	44.64	9.0615	0.5355	0.0000	22.4495
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>9.0615</b>	<b>0.5355</b>	<b>0.0000</b>	<b>22.4495</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Oasis Grow Facility - Bay Area AQMD Air District, Annual

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0.13	50	202	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (175 - 300 HP)	0.0166	0.0463	0.0423	8.0000e-005		2.4400e-003	2.4400e-003		2.4400e-003	2.4400e-003	0.0000	7.6921	7.6921	1.0800e-003	0.0000	7.7191
<b>Total</b>	<b>0.0166</b>	<b>0.0463</b>	<b>0.0423</b>	<b>8.0000e-005</b>		<b>2.4400e-003</b>	<b>2.4400e-003</b>		<b>2.4400e-003</b>	<b>2.4400e-003</b>	<b>0.0000</b>	<b>7.6921</b>	<b>7.6921</b>	<b>1.0800e-003</b>	<b>0.0000</b>	<b>7.7191</b>

**11.0 Vegetation**

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**Oasis Grow Facility**  
**Bay Area AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	32.00	1000sqft	14.69	32,000.00	0
General Light Industry	4.00	1000sqft	0.09	4,000.00	0
Parking Lot	25.00	Space	0.22	10,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	281.31	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - CO2 intensity factor updated based on PG&E progress towards RPS

Land Use - Calculated disturbance area

Construction Phase - \*

Grading - PProject Info

Vehicle Trips - Based on Information from TJKM

Stationary Sources - Emergency Generators and Fire Pumps -

## Oasis Grow Facility - Bay Area AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblGrading	AcresOfGrading	75.00	15.00
tblGrading	MaterialExported	0.00	165.00
tblLandUse	LotAcreage	0.73	14.69
tblProjectCharacteristics	CO2IntensityFactor	641.35	281.31
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	202.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.13
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	ST_TR	1.32	3.06
tblVehicleTrips	SU_TR	0.68	3.06
tblVehicleTrips	WD_TR	6.97	3.06

## 2.0 Emissions Summary

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Oasis Grow Facility - Bay Area AQMD Air District, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8785	6.0000e-005	6.2500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0134	0.0134	4.0000e-005		0.0142
Energy	0.0263	0.2393	0.2010	1.4400e-003		0.0182	0.0182		0.0182	0.0182		287.1878	287.1878	5.5000e-003	5.2700e-003	288.8944
Mobile	0.2244	1.0273	2.8925	0.0107	0.9043	9.2000e-003	0.9134	0.2419	8.6200e-003	0.2506		1,077.0364	1,077.0364	0.0357		1,077.9292
Stationary	0.0862	0.2409	0.2198	4.1000e-004		0.0127	0.0127		0.0127	0.0127		44.0913	44.0913	6.1800e-003		44.2458
<b>Total</b>	<b>1.2154</b>	<b>1.5075</b>	<b>3.3195</b>	<b>0.0125</b>	<b>0.9043</b>	<b>0.0401</b>	<b>0.9443</b>	<b>0.2419</b>	<b>0.0395</b>	<b>0.2815</b>		<b>1,408.3288</b>	<b>1,408.3288</b>	<b>0.0474</b>	<b>5.2700e-003</b>	<b>1,411.0836</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8785	6.0000e-005	6.2500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0134	0.0134	4.0000e-005		0.0142
Energy	0.0263	0.2393	0.2010	1.4400e-003		0.0182	0.0182		0.0182	0.0182		287.1878	287.1878	5.5000e-003	5.2700e-003	288.8944
Mobile	0.2244	1.0273	2.8925	0.0107	0.9043	9.2000e-003	0.9134	0.2419	8.6200e-003	0.2506		1,077.0364	1,077.0364	0.0357		1,077.9292
Stationary	0.0862	0.2409	0.2198	4.1000e-004		0.0127	0.0127		0.0127	0.0127		44.0913	44.0913	6.1800e-003		44.2458
<b>Total</b>	<b>1.2154</b>	<b>1.5075</b>	<b>3.3195</b>	<b>0.0125</b>	<b>0.9043</b>	<b>0.0401</b>	<b>0.9443</b>	<b>0.2419</b>	<b>0.0395</b>	<b>0.2815</b>		<b>1,408.3288</b>	<b>1,408.3288</b>	<b>0.0474</b>	<b>5.2700e-003</b>	<b>1,411.0836</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

## Oasis Grow Facility - Bay Area AQMD Air District, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/1/2019	5/14/2019	5	10	
2	Grading	Grading	5/15/2019	6/25/2019	5	30	
3	Paving	Paving	6/26/2019	7/23/2019	5	20	
4	Building Construction	Building Construction	7/24/2019	9/15/2020	5	300	
5	Architectural Coating	Architectural Coating	8/7/2019	9/29/2020	5	300	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 15**

**Acres of Paving: 0.22**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 54,000; Non-Residential Outdoor: 18,000; Striped Parking Area: 600 (Architectural Coating – sqft)**

**OffRoad Equipment**



## Oasis Grow Facility - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	21.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	19.00	8.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.1 Mitigation Measures Construction**

**3.2 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.3904</b>	<b>20.4566</b>	<b>9.9307</b>	<b>2.1991</b>	<b>12.1298</b>		<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0685	0.0429	0.5367	1.5300e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		152.5352	152.5352	4.0600e-003		152.6366
<b>Total</b>	<b>0.0685</b>	<b>0.0429</b>	<b>0.5367</b>	<b>1.5300e-003</b>	<b>0.1479</b>	<b>9.8000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>9.0000e-004</b>	<b>0.0401</b>		<b>152.5352</b>	<b>152.5352</b>	<b>4.0600e-003</b>		<b>152.6366</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.2 Site Preparation - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.3904</b>	<b>20.4566</b>	<b>9.9307</b>	<b>2.1991</b>	<b>12.1298</b>	<b>0.0000</b>	<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0685	0.0429	0.5367	1.5300e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		152.5352	152.5352	4.0600e-003		152.6366
<b>Total</b>	<b>0.0685</b>	<b>0.0429</b>	<b>0.5367</b>	<b>1.5300e-003</b>	<b>0.1479</b>	<b>9.8000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>9.0000e-004</b>	<b>0.0401</b>		<b>152.5352</b>	<b>152.5352</b>	<b>4.0600e-003</b>		<b>152.6366</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.3 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5530	0.0000	6.5530	3.3676	0.0000	3.3676			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
<b>Total</b>	<b>4.7389</b>	<b>54.5202</b>	<b>33.3768</b>	<b>0.0620</b>	<b>6.5530</b>	<b>2.3827</b>	<b>8.9356</b>	<b>3.3676</b>	<b>2.1920</b>	<b>5.5596</b>		<b>6,140.0195</b>	<b>6,140.0195</b>	<b>1.9426</b>		<b>6,188.5854</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.3100e-003	0.2146	0.0414	5.6000e-004	0.0122	8.3000e-004	0.0131	3.3500e-003	7.9000e-004	4.1400e-003		60.1803	60.1803	3.0800e-003		60.2572
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0761	0.0476	0.5964	1.7000e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		169.4836	169.4836	4.5100e-003		169.5962
<b>Total</b>	<b>0.0824</b>	<b>0.2623</b>	<b>0.6378</b>	<b>2.2600e-003</b>	<b>0.1765</b>	<b>1.9200e-003</b>	<b>0.1784</b>	<b>0.0469</b>	<b>1.7900e-003</b>	<b>0.0487</b>		<b>229.6638</b>	<b>229.6638</b>	<b>7.5900e-003</b>		<b>229.8534</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.3 Grading - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5530	0.0000	6.5530	3.3676	0.0000	3.3676			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
<b>Total</b>	<b>4.7389</b>	<b>54.5202</b>	<b>33.3768</b>	<b>0.0620</b>	<b>6.5530</b>	<b>2.3827</b>	<b>8.9356</b>	<b>3.3676</b>	<b>2.1920</b>	<b>5.5596</b>	<b>0.0000</b>	<b>6,140.0195</b>	<b>6,140.0195</b>	<b>1.9426</b>		<b>6,188.5854</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.3100e-003	0.2146	0.0414	5.6000e-004	0.0122	8.3000e-004	0.0131	3.3500e-003	7.9000e-004	4.1400e-003		60.1803	60.1803	3.0800e-003		60.2572
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0761	0.0476	0.5964	1.7000e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		169.4836	169.4836	4.5100e-003		169.5962
<b>Total</b>	<b>0.0824</b>	<b>0.2623</b>	<b>0.6378</b>	<b>2.2600e-003</b>	<b>0.1765</b>	<b>1.9200e-003</b>	<b>0.1784</b>	<b>0.0469</b>	<b>1.7900e-003</b>	<b>0.0487</b>		<b>229.6638</b>	<b>229.6638</b>	<b>7.5900e-003</b>		<b>229.8534</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.4 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0288					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4833</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0570	0.0357	0.4473	1.2800e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334		127.1127	127.1127	3.3800e-003		127.1972
<b>Total</b>	<b>0.0570</b>	<b>0.0357</b>	<b>0.4473</b>	<b>1.2800e-003</b>	<b>0.1232</b>	<b>8.2000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.5000e-004</b>	<b>0.0334</b>		<b>127.1127</b>	<b>127.1127</b>	<b>3.3800e-003</b>		<b>127.1972</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.4 Paving - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0288					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4833</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0570	0.0357	0.4473	1.2800e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334		127.1127	127.1127	3.3800e-003		127.1972
<b>Total</b>	<b>0.0570</b>	<b>0.0357</b>	<b>0.4473</b>	<b>1.2800e-003</b>	<b>0.1232</b>	<b>8.2000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.5000e-004</b>	<b>0.0334</b>		<b>127.1127</b>	<b>127.1127</b>	<b>3.3800e-003</b>		<b>127.1972</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.5 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>		<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0348	0.9522	0.2321	2.0500e-003	0.0490	6.2900e-003	0.0553	0.0141	6.0200e-003	0.0201		216.8778	216.8778	0.0120		217.1766
Worker	0.0723	0.0453	0.5666	1.6200e-003	0.1561	1.0300e-003	0.1571	0.0414	9.5000e-004	0.0424		161.0094	161.0094	4.2800e-003		161.1164
<b>Total</b>	<b>0.1070</b>	<b>0.9975</b>	<b>0.7986</b>	<b>3.6700e-003</b>	<b>0.2051</b>	<b>7.3200e-003</b>	<b>0.2124</b>	<b>0.0555</b>	<b>6.9700e-003</b>	<b>0.0625</b>		<b>377.8871</b>	<b>377.8871</b>	<b>0.0162</b>		<b>378.2930</b>



Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.5 Building Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0348	0.9522	0.2321	2.0500e-003	0.0490	6.2900e-003	0.0553	0.0141	6.0200e-003	0.0201		216.8778	216.8778	0.0120		217.1766
Worker	0.0723	0.0453	0.5666	1.6200e-003	0.1561	1.0300e-003	0.1571	0.0414	9.5000e-004	0.0424		161.0094	161.0094	4.2800e-003		161.1164
<b>Total</b>	<b>0.1070</b>	<b>0.9975</b>	<b>0.7986</b>	<b>3.6700e-003</b>	<b>0.2051</b>	<b>7.3200e-003</b>	<b>0.2124</b>	<b>0.0555</b>	<b>6.9700e-003</b>	<b>0.0625</b>		<b>377.8871</b>	<b>377.8871</b>	<b>0.0162</b>		<b>378.2930</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0285	0.8717	0.2071	2.0400e-003	0.0490	4.0700e-003	0.0530	0.0141	3.8900e-003	0.0180		215.5698	215.5698	0.0111		215.8460
Worker	0.0660	0.0400	0.5098	1.5600e-003	0.1561	1.0100e-003	0.1571	0.0414	9.3000e-004	0.0423		155.9476	155.9476	3.7600e-003		156.0415
<b>Total</b>	<b>0.0946</b>	<b>0.9117</b>	<b>0.7168</b>	<b>3.6000e-003</b>	<b>0.2051</b>	<b>5.0800e-003</b>	<b>0.2101</b>	<b>0.0555</b>	<b>4.8200e-003</b>	<b>0.0603</b>		<b>371.5173</b>	<b>371.5173</b>	<b>0.0148</b>		<b>371.8875</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.5 Building Construction - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>	<b>0.0000</b>	<b>2,553.063 1</b>	<b>2,553.063 1</b>	<b>0.6229</b>		<b>2,568.634 5</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0285	0.8717	0.2071	2.0400e-003	0.0490	4.0700e-003	0.0530	0.0141	3.8900e-003	0.0180		215.5698	215.5698	0.0111		215.8460
Worker	0.0660	0.0400	0.5098	1.5600e-003	0.1561	1.0100e-003	0.1571	0.0414	9.3000e-004	0.0423		155.9476	155.9476	3.7600e-003		156.0415
<b>Total</b>	<b>0.0946</b>	<b>0.9117</b>	<b>0.7168</b>	<b>3.6000e-003</b>	<b>0.2051</b>	<b>5.0800e-003</b>	<b>0.2101</b>	<b>0.0555</b>	<b>4.8200e-003</b>	<b>0.0603</b>		<b>371.5173</b>	<b>371.5173</b>	<b>0.0148</b>		<b>371.8875</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.6 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>1.5318</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0152	9.5300e-003	0.1193	3.4000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		33.8967	33.8967	9.0000e-004		33.9192
<b>Total</b>	<b>0.0152</b>	<b>9.5300e-003</b>	<b>0.1193</b>	<b>3.4000e-004</b>	<b>0.0329</b>	<b>2.2000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.0000e-004</b>	<b>8.9200e-003</b>		<b>33.8967</b>	<b>33.8967</b>	<b>9.0000e-004</b>		<b>33.9192</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.6 Architectural Coating - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>1.5318</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0152	9.5300e-003	0.1193	3.4000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		33.8967	33.8967	9.0000e-004		33.9192
<b>Total</b>	<b>0.0152</b>	<b>9.5300e-003</b>	<b>0.1193</b>	<b>3.4000e-004</b>	<b>0.0329</b>	<b>2.2000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.0000e-004</b>	<b>8.9200e-003</b>		<b>33.8967</b>	<b>33.8967</b>	<b>9.0000e-004</b>		<b>33.9192</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.6 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>1.5075</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0139	8.4200e-003	0.1073	3.3000e-004	0.0329	2.1000e-004	0.0331	8.7200e-003	2.0000e-004	8.9100e-003		32.8311	32.8311	7.9000e-004		32.8508
<b>Total</b>	<b>0.0139</b>	<b>8.4200e-003</b>	<b>0.1073</b>	<b>3.3000e-004</b>	<b>0.0329</b>	<b>2.1000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.0000e-004</b>	<b>8.9100e-003</b>		<b>32.8311</b>	<b>32.8311</b>	<b>7.9000e-004</b>		<b>32.8508</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**3.6 Architectural Coating - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>1.5075</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0139	8.4200e-003	0.1073	3.3000e-004	0.0329	2.1000e-004	0.0331	8.7200e-003	2.0000e-004	8.9100e-003		32.8311	32.8311	7.9000e-004		32.8508
<b>Total</b>	<b>0.0139</b>	<b>8.4200e-003</b>	<b>0.1073</b>	<b>3.3000e-004</b>	<b>0.0329</b>	<b>2.1000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.0000e-004</b>	<b>8.9100e-003</b>		<b>32.8311</b>	<b>32.8311</b>	<b>7.9000e-004</b>		<b>32.8508</b>

**4.0 Operational Detail - Mobile**

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Oasis Grow Facility - Bay Area AQMD Air District, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2244	1.0273	2.8925	0.0107	0.9043	9.2000e-003	0.9134	0.2419	8.6200e-003	0.2506		1,077.0364	1,077.0364	0.0357		1,077.9292
Unmitigated	0.2244	1.0273	2.8925	0.0107	0.9043	9.2000e-003	0.9134	0.2419	8.6200e-003	0.2506		1,077.0364	1,077.0364	0.0357		1,077.9292

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	97.92	97.92	97.92	378,311	378,311
General Light Industry	12.24	12.24	12.24	47,289	47,289
Parking Lot	0.00	0.00	0.00		
Total	110.16	110.16	110.16	425,599	425,599

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
General Light Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0



Oasis Grow Facility - Bay Area AQMD Air District, Summer

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789
Parking Lot	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0263	0.2393	0.2010	1.4400e-003		0.0182	0.0182		0.0182	0.0182		287.1878	287.1878	5.5000e-003	5.2700e-003	288.8944
NaturalGas Unmitigated	0.0263	0.2393	0.2010	1.4400e-003		0.0182	0.0182		0.0182	0.0182		287.1878	287.1878	5.5000e-003	5.2700e-003	288.8944

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2169.86	0.0234	0.2127	0.1787	1.2800e-003		0.0162	0.0162		0.0162	0.0162		255.2780	255.2780	4.8900e-003	4.6800e-003	256.7950
General Light Industry	271.233	2.9300e-003	0.0266	0.0223	1.6000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003		31.9098	31.9098	6.1000e-004	5.9000e-004	32.0994
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0263</b>	<b>0.2393</b>	<b>0.2010</b>	<b>1.4400e-003</b>		<b>0.0182</b>	<b>0.0182</b>		<b>0.0182</b>	<b>0.0182</b>		<b>287.1878</b>	<b>287.1878</b>	<b>5.5000e-003</b>	<b>5.2700e-003</b>	<b>288.8944</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.271233	2.9300e-003	0.0266	0.0223	1.6000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003		31.9098	31.9098	6.1000e-004	5.9000e-004	32.0994
General Light Industry	2.16986	0.0234	0.2127	0.1787	1.2800e-003		0.0162	0.0162		0.0162	0.0162		255.2780	255.2780	4.8900e-003	4.6800e-003	256.7950
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0263</b>	<b>0.2393</b>	<b>0.2010</b>	<b>1.4400e-003</b>		<b>0.0182</b>	<b>0.0182</b>		<b>0.0182</b>	<b>0.0182</b>		<b>287.1878</b>	<b>287.1878</b>	<b>5.5000e-003</b>	<b>5.2700e-003</b>	<b>288.8944</b>

**6.0 Area Detail**

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8785	6.0000e-005	6.2500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0134	0.0134	4.0000e-005		0.0142
Unmitigated	0.8785	6.0000e-005	6.2500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0134	0.0134	4.0000e-005		0.0142

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.8000e-004	6.0000e-005	6.2500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0134	0.0134	4.0000e-005		0.0142
<b>Total</b>	<b>0.8785</b>	<b>6.0000e-005</b>	<b>6.2500e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0134</b>	<b>0.0134</b>	<b>4.0000e-005</b>		<b>0.0142</b>

Oasis Grow Facility - Bay Area AQMD Air District, Summer

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.8000e-004	6.0000e-005	6.2500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0134	0.0134	4.0000e-005		0.0142
<b>Total</b>	<b>0.8785</b>	<b>6.0000e-005</b>	<b>6.2500e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0134</b>	<b>0.0134</b>	<b>4.0000e-005</b>		<b>0.0142</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

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Fire Pumps and Emergency Generators

Oasis Grow Facility - Bay Area AQMD Air District, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0.13	50	202	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (175 - 300 HP)	0.0862	0.2409	0.2198	4.1000e-004		0.0127	0.0127		0.0127	0.0127		44.0913	44.0913	6.1800e-003		44.2458
<b>Total</b>	<b>0.0862</b>	<b>0.2409</b>	<b>0.2198</b>	<b>4.1000e-004</b>		<b>0.0127</b>	<b>0.0127</b>		<b>0.0127</b>	<b>0.0127</b>		<b>44.0913</b>	<b>44.0913</b>	<b>6.1800e-003</b>		<b>44.2458</b>

**11.0 Vegetation**

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Oasis Grow Facility - Bay Area AQMD Air District, Winter

**Oasis Grow Facility**  
**Bay Area AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	32.00	1000sqft	14.69	32,000.00	0
General Light Industry	4.00	1000sqft	0.09	4,000.00	0
Parking Lot	25.00	Space	0.22	10,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	281.31	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - CO2 intensity factor updated based on PG&E progress towards RPS

Land Use - Calculated disturbance area

Construction Phase - \*

Grading - PProject Info

Vehicle Trips - Based on Information from TJKM

Stationary Sources - Emergency Generators and Fire Pumps -

## Oasis Grow Facility - Bay Area AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblGrading	AcresOfGrading	75.00	15.00
tblGrading	MaterialExported	0.00	165.00
tblLandUse	LotAcreage	0.73	14.69
tblProjectCharacteristics	CO2IntensityFactor	641.35	281.31
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	202.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.13
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	ST_TR	1.32	3.06
tblVehicleTrips	SU_TR	0.68	3.06
tblVehicleTrips	WD_TR	6.97	3.06

## 2.0 Emissions Summary

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Oasis Grow Facility - Bay Area AQMD Air District, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8785	6.0000e-005	6.2500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0134	0.0134	4.0000e-005		0.0142
Energy	0.0263	0.2393	0.2010	1.4400e-003		0.0182	0.0182		0.0182	0.0182		287.1878	287.1878	5.5000e-003	5.2700e-003	288.8944
Mobile	0.1995	1.0948	2.8065	9.9800e-003	0.9043	9.2400e-003	0.9135	0.2419	8.6700e-003	0.2506		1,008.6580	1,008.6580	0.0357		1,009.5492
Stationary	0.0862	0.2409	0.2198	4.1000e-004		0.0127	0.0127		0.0127	0.0127		44.0913	44.0913	6.1800e-003		44.2458
<b>Total</b>	<b>1.1906</b>	<b>1.5751</b>	<b>3.2336</b>	<b>0.0118</b>	<b>0.9043</b>	<b>0.0401</b>	<b>0.9444</b>	<b>0.2419</b>	<b>0.0396</b>	<b>0.2815</b>		<b>1,339.9504</b>	<b>1,339.9504</b>	<b>0.0474</b>	<b>5.2700e-003</b>	<b>1,342.7036</b>

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8785	6.0000e-005	6.2500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0134	0.0134	4.0000e-005		0.0142
Energy	0.0263	0.2393	0.2010	1.4400e-003		0.0182	0.0182		0.0182	0.0182		287.1878	287.1878	5.5000e-003	5.2700e-003	288.8944
Mobile	0.1995	1.0948	2.8065	9.9800e-003	0.9043	9.2400e-003	0.9135	0.2419	8.6700e-003	0.2506		1,008.6580	1,008.6580	0.0357		1,009.5492
Stationary	0.0862	0.2409	0.2198	4.1000e-004		0.0127	0.0127		0.0127	0.0127		44.0913	44.0913	6.1800e-003		44.2458
<b>Total</b>	<b>1.1906</b>	<b>1.5751</b>	<b>3.2336</b>	<b>0.0118</b>	<b>0.9043</b>	<b>0.0401</b>	<b>0.9444</b>	<b>0.2419</b>	<b>0.0396</b>	<b>0.2815</b>		<b>1,339.9504</b>	<b>1,339.9504</b>	<b>0.0474</b>	<b>5.2700e-003</b>	<b>1,342.7036</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

## Oasis Grow Facility - Bay Area AQMD Air District, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/1/2019	5/14/2019	5	10	
2	Grading	Grading	5/15/2019	6/25/2019	5	30	
3	Paving	Paving	6/26/2019	7/23/2019	5	20	
4	Building Construction	Building Construction	7/24/2019	9/15/2020	5	300	
5	Architectural Coating	Architectural Coating	8/7/2019	9/29/2020	5	300	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 15**

**Acres of Paving: 0.22**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 54,000; Non-Residential Outdoor: 18,000; Striped Parking Area: 600 (Architectural Coating – sqft)**

**OffRoad Equipment**

Oasis Grow Facility - Bay Area AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	21.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	19.00	8.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.1 Mitigation Measures Construction**

**3.2 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.3904</b>	<b>20.4566</b>	<b>9.9307</b>	<b>2.1991</b>	<b>12.1298</b>		<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0530	0.5068	1.4100e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		140.5138	140.5138	3.8200e-003		140.6092
<b>Total</b>	<b>0.0724</b>	<b>0.0530</b>	<b>0.5068</b>	<b>1.4100e-003</b>	<b>0.1479</b>	<b>9.8000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>9.0000e-004</b>	<b>0.0401</b>		<b>140.5138</b>	<b>140.5138</b>	<b>3.8200e-003</b>		<b>140.6092</b>

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.2 Site Preparation - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.3904</b>	<b>20.4566</b>	<b>9.9307</b>	<b>2.1991</b>	<b>12.1298</b>	<b>0.0000</b>	<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0530	0.5068	1.4100e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		140.5138	140.5138	3.8200e-003		140.6092
<b>Total</b>	<b>0.0724</b>	<b>0.0530</b>	<b>0.5068</b>	<b>1.4100e-003</b>	<b>0.1479</b>	<b>9.8000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>9.0000e-004</b>	<b>0.0401</b>		<b>140.5138</b>	<b>140.5138</b>	<b>3.8200e-003</b>		<b>140.6092</b>

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.3 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5530	0.0000	6.5530	3.3676	0.0000	3.3676			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
<b>Total</b>	<b>4.7389</b>	<b>54.5202</b>	<b>33.3768</b>	<b>0.0620</b>	<b>6.5530</b>	<b>2.3827</b>	<b>8.9356</b>	<b>3.3676</b>	<b>2.1920</b>	<b>5.5596</b>		<b>6,140.0195</b>	<b>6,140.0195</b>	<b>1.9426</b>		<b>6,188.5854</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.4900e-003	0.2201	0.0448	5.5000e-004	0.0122	8.4000e-004	0.0131	3.3500e-003	8.1000e-004	4.1600e-003		59.1911	59.1911	3.2400e-003		59.2722
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0804	0.0589	0.5631	1.5700e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		156.1264	156.1264	4.2400e-003		156.2324
<b>Total</b>	<b>0.0869</b>	<b>0.2790</b>	<b>0.6079</b>	<b>2.1200e-003</b>	<b>0.1765</b>	<b>1.9300e-003</b>	<b>0.1785</b>	<b>0.0469</b>	<b>1.8100e-003</b>	<b>0.0487</b>		<b>215.3175</b>	<b>215.3175</b>	<b>7.4800e-003</b>		<b>215.5045</b>

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.3 Grading - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5530	0.0000	6.5530	3.3676	0.0000	3.3676			0.0000				0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426			6,188.5854
<b>Total</b>	<b>4.7389</b>	<b>54.5202</b>	<b>33.3768</b>	<b>0.0620</b>	<b>6.5530</b>	<b>2.3827</b>	<b>8.9356</b>	<b>3.3676</b>	<b>2.1920</b>	<b>5.5596</b>	<b>0.0000</b>	<b>6,140.0195</b>	<b>6,140.0195</b>	<b>1.9426</b>			<b>6,188.5854</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	6.4900e-003	0.2201	0.0448	5.5000e-004	0.0122	8.4000e-004	0.0131	3.3500e-003	8.1000e-004	4.1600e-003		59.1911	59.1911	3.2400e-003			59.2722
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0804	0.0589	0.5631	1.5700e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		156.1264	156.1264	4.2400e-003			156.2324
<b>Total</b>	<b>0.0869</b>	<b>0.2790</b>	<b>0.6079</b>	<b>2.1200e-003</b>	<b>0.1765</b>	<b>1.9300e-003</b>	<b>0.1785</b>	<b>0.0469</b>	<b>1.8100e-003</b>	<b>0.0487</b>		<b>215.3175</b>	<b>215.3175</b>	<b>7.4800e-003</b>			<b>215.5045</b>



Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.4 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0288					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4833</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0603	0.0442	0.4223	1.1800e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334		117.0948	117.0948	3.1800e-003		117.1743
<b>Total</b>	<b>0.0603</b>	<b>0.0442</b>	<b>0.4223</b>	<b>1.1800e-003</b>	<b>0.1232</b>	<b>8.2000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.5000e-004</b>	<b>0.0334</b>		<b>117.0948</b>	<b>117.0948</b>	<b>3.1800e-003</b>		<b>117.1743</b>

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.4 Paving - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0288					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4833</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0603	0.0442	0.4223	1.1800e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334		117.0948	117.0948	3.1800e-003		117.1743
<b>Total</b>	<b>0.0603</b>	<b>0.0442</b>	<b>0.4223</b>	<b>1.1800e-003</b>	<b>0.1232</b>	<b>8.2000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.5000e-004</b>	<b>0.0334</b>		<b>117.0948</b>	<b>117.0948</b>	<b>3.1800e-003</b>		<b>117.1743</b>

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.5 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>		<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0365	0.9630	0.2668	2.0000e-003	0.0490	6.4000e-003	0.0554	0.0141	6.1200e-003	0.0202		211.0353	211.0353	0.0130		211.3600
Worker	0.0764	0.0559	0.5349	1.4900e-003	0.1561	1.0300e-003	0.1571	0.0414	9.5000e-004	0.0424		148.3201	148.3201	4.0300e-003		148.4208
<b>Total</b>	<b>0.1129</b>	<b>1.0190</b>	<b>0.8018</b>	<b>3.4900e-003</b>	<b>0.2051</b>	<b>7.4300e-003</b>	<b>0.2125</b>	<b>0.0555</b>	<b>7.0700e-003</b>	<b>0.0626</b>		<b>359.3554</b>	<b>359.3554</b>	<b>0.0170</b>		<b>359.7808</b>

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.5 Building Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0365	0.9630	0.2668	2.0000e-003	0.0490	6.4000e-003	0.0554	0.0141	6.1200e-003	0.0202		211.0353	211.0353	0.0130		211.3600
Worker	0.0764	0.0559	0.5349	1.4900e-003	0.1561	1.0300e-003	0.1571	0.0414	9.5000e-004	0.0424		148.3201	148.3201	4.0300e-003		148.4208
<b>Total</b>	<b>0.1129</b>	<b>1.0190</b>	<b>0.8018</b>	<b>3.4900e-003</b>	<b>0.2051</b>	<b>7.4300e-003</b>	<b>0.2125</b>	<b>0.0555</b>	<b>7.0700e-003</b>	<b>0.0626</b>		<b>359.3554</b>	<b>359.3554</b>	<b>0.0170</b>		<b>359.7808</b>

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0301	0.8796	0.2386	1.9800e-003	0.0490	4.1400e-003	0.0531	0.0141	3.9600e-003	0.0181		209.6651	209.6651	0.0120		209.9649
Worker	0.0699	0.0494	0.4788	1.4400e-003	0.1561	1.0100e-003	0.1571	0.0414	9.3000e-004	0.0423		143.6524	143.6524	3.5100e-003		143.7403
<b>Total</b>	<b>0.0999</b>	<b>0.9290</b>	<b>0.7174</b>	<b>3.4200e-003</b>	<b>0.2051</b>	<b>5.1500e-003</b>	<b>0.2102</b>	<b>0.0555</b>	<b>4.8900e-003</b>	<b>0.0604</b>		<b>353.3175</b>	<b>353.3175</b>	<b>0.0155</b>		<b>353.7052</b>

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.5 Building Construction - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>	<b>0.0000</b>	<b>2,553.063 1</b>	<b>2,553.063 1</b>	<b>0.6229</b>		<b>2,568.634 5</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0301	0.8796	0.2386	1.9800e-003	0.0490	4.1400e-003	0.0531	0.0141	3.9600e-003	0.0181		209.6651	209.6651	0.0120		209.9649
Worker	0.0699	0.0494	0.4788	1.4400e-003	0.1561	1.0100e-003	0.1571	0.0414	9.3000e-004	0.0423		143.6524	143.6524	3.5100e-003		143.7403
<b>Total</b>	<b>0.0999</b>	<b>0.9290</b>	<b>0.7174</b>	<b>3.4200e-003</b>	<b>0.2051</b>	<b>5.1500e-003</b>	<b>0.2102</b>	<b>0.0555</b>	<b>4.8900e-003</b>	<b>0.0604</b>		<b>353.3175</b>	<b>353.3175</b>	<b>0.0155</b>		<b>353.7052</b>

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.6 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>1.5318</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0161	0.0118	0.1126	3.1000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		31.2253	31.2253	8.5000e-004		31.2465
<b>Total</b>	<b>0.0161</b>	<b>0.0118</b>	<b>0.1126</b>	<b>3.1000e-004</b>	<b>0.0329</b>	<b>2.2000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.0000e-004</b>	<b>8.9200e-003</b>		<b>31.2253</b>	<b>31.2253</b>	<b>8.5000e-004</b>		<b>31.2465</b>

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.6 Architectural Coating - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>1.5318</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0161	0.0118	0.1126	3.1000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		31.2253	31.2253	8.5000e-004		31.2465
<b>Total</b>	<b>0.0161</b>	<b>0.0118</b>	<b>0.1126</b>	<b>3.1000e-004</b>	<b>0.0329</b>	<b>2.2000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.0000e-004</b>	<b>8.9200e-003</b>		<b>31.2253</b>	<b>31.2253</b>	<b>8.5000e-004</b>		<b>31.2465</b>



Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.6 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>1.5075</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0147	0.0104	0.1008	3.0000e-004	0.0329	2.1000e-004	0.0331	8.7200e-003	2.0000e-004	8.9100e-003		30.2426	30.2426	7.4000e-004		30.2611
<b>Total</b>	<b>0.0147</b>	<b>0.0104</b>	<b>0.1008</b>	<b>3.0000e-004</b>	<b>0.0329</b>	<b>2.1000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.0000e-004</b>	<b>8.9100e-003</b>		<b>30.2426</b>	<b>30.2426</b>	<b>7.4000e-004</b>		<b>30.2611</b>

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**3.6 Architectural Coating - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>1.5075</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0147	0.0104	0.1008	3.0000e-004	0.0329	2.1000e-004	0.0331	8.7200e-003	2.0000e-004	8.9100e-003		30.2426	30.2426	7.4000e-004		30.2611
<b>Total</b>	<b>0.0147</b>	<b>0.0104</b>	<b>0.1008</b>	<b>3.0000e-004</b>	<b>0.0329</b>	<b>2.1000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.0000e-004</b>	<b>8.9100e-003</b>		<b>30.2426</b>	<b>30.2426</b>	<b>7.4000e-004</b>		<b>30.2611</b>

**4.0 Operational Detail - Mobile**

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Oasis Grow Facility - Bay Area AQMD Air District, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1995	1.0948	2.8065	9.9800e-003	0.9043	9.2400e-003	0.9135	0.2419	8.6700e-003	0.2506		1,008.6580	1,008.6580	0.0357		1,009.5492
Unmitigated	0.1995	1.0948	2.8065	9.9800e-003	0.9043	9.2400e-003	0.9135	0.2419	8.6700e-003	0.2506		1,008.6580	1,008.6580	0.0357		1,009.5492

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	97.92	97.92	97.92	378,311	378,311
General Light Industry	12.24	12.24	12.24	47,289	47,289
Parking Lot	0.00	0.00	0.00		
Total	110.16	110.16	110.16	425,599	425,599

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
General Light Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789
Parking Lot	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0263	0.2393	0.2010	1.4400e-003		0.0182	0.0182		0.0182	0.0182		287.1878	287.1878	5.5000e-003	5.2700e-003	288.8944
NaturalGas Unmitigated	0.0263	0.2393	0.2010	1.4400e-003		0.0182	0.0182		0.0182	0.0182		287.1878	287.1878	5.5000e-003	5.2700e-003	288.8944

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2169.86	0.0234	0.2127	0.1787	1.2800e-003		0.0162	0.0162		0.0162	0.0162		255.2780	255.2780	4.8900e-003	4.6800e-003	256.7950
General Light Industry	271.233	2.9300e-003	0.0266	0.0223	1.6000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003		31.9098	31.9098	6.1000e-004	5.9000e-004	32.0994
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0263</b>	<b>0.2393</b>	<b>0.2010</b>	<b>1.4400e-003</b>		<b>0.0182</b>	<b>0.0182</b>		<b>0.0182</b>	<b>0.0182</b>		<b>287.1878</b>	<b>287.1878</b>	<b>5.5000e-003</b>	<b>5.2700e-003</b>	<b>288.8944</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.271233	2.9300e-003	0.0266	0.0223	1.6000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003		31.9098	31.9098	6.1000e-004	5.9000e-004	32.0994
General Light Industry	2.16986	0.0234	0.2127	0.1787	1.2800e-003		0.0162	0.0162		0.0162	0.0162		255.2780	255.2780	4.8900e-003	4.6800e-003	256.7950
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0263</b>	<b>0.2393</b>	<b>0.2010</b>	<b>1.4400e-003</b>		<b>0.0182</b>	<b>0.0182</b>		<b>0.0182</b>	<b>0.0182</b>		<b>287.1878</b>	<b>287.1878</b>	<b>5.5000e-003</b>	<b>5.2700e-003</b>	<b>288.8944</b>

**6.0 Area Detail**

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8785	6.0000e-005	6.2500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0134	0.0134	4.0000e-005		0.0142
Unmitigated	0.8785	6.0000e-005	6.2500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0134	0.0134	4.0000e-005		0.0142

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.8000e-004	6.0000e-005	6.2500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0134	0.0134	4.0000e-005		0.0142
<b>Total</b>	<b>0.8785</b>	<b>6.0000e-005</b>	<b>6.2500e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0134</b>	<b>0.0134</b>	<b>4.0000e-005</b>		<b>0.0142</b>

Oasis Grow Facility - Bay Area AQMD Air District, Winter

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.8000e-004	6.0000e-005	6.2500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0134	0.0134	4.0000e-005		0.0142
<b>Total</b>	<b>0.8785</b>	<b>6.0000e-005</b>	<b>6.2500e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0134</b>	<b>0.0134</b>	<b>4.0000e-005</b>		<b>0.0142</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

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Fire Pumps and Emergency Generators

Oasis Grow Facility - Bay Area AQMD Air District, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0.13	50	202	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (175 - 300 HP)	0.0862	0.2409	0.2198	4.1000e-004		0.0127	0.0127		0.0127	0.0127		44.0913	44.0913	6.1800e-003		44.2458
<b>Total</b>	<b>0.0862</b>	<b>0.2409</b>	<b>0.2198</b>	<b>4.1000e-004</b>		<b>0.0127</b>	<b>0.0127</b>		<b>0.0127</b>	<b>0.0127</b>		<b>44.0913</b>	<b>44.0913</b>	<b>6.1800e-003</b>		<b>44.2458</b>

**11.0 Vegetation**

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