

Cannabis Operation

12990 Spruce Grove Road Lower Lake, CA 95457

ALVAREZ FARM

PROPERTY MANAGEMENT PLAN (PMP) FOR CANNABIS OPERATIONS

Risk Level: Tier 2, Low

March 11, 2020

BC Engineering Group, Inc.

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Project Number: 1321-19



Project Contacts

PROJECT INFORMATION

Name of Project: Cannabis Operations Project

Project Location: 12990 Spruce Grove Road, Lower Lake, CA 95457

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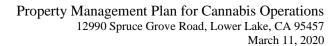
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Section 1 Air Quality

Alvarez Farm is applying for one Commercial Cannabis Cultivation Major Use Permit for three A-Type 3's, one A-Type 1A, and one Type 13-Self Distributor in Lake County, California.

1.1 PURPOSE

Alvarez Farm's Air Quality Management Plan (AQMP) is designed to promote health, safety, welfare, environmental quality, and reduce potential for nuisance.

The Air Quality Management Plan includes measures to monitor and evaluate the performance and implementation of the plan, as well as ensure that all data and information is reported to the appropriate local agencies.

1.2 SCOPE

The Alvarez Farm's Air Quality Management Plan is as follows:

- Identifying equipment and activities which may cause odor, contaminates, or other air quality nuisance;
- Establishing responsible parties and best management practices if nuisance complaints occur;
- Mitigating the amount of air pollution and particulates that are generated and emitted during the build-out and expansion of Alvarez Farm's cultivation site;
- Minimizing employee exposure to contaminants and particulates that may be harmful to their health, including areas where cannabis plant may be dried, cured, trimmed, packaged or handled;
- All employees are required to follow the procedures outlined in this plan.

1.3 OVERVIEW

Alvarez Farm will cultivate cannabis using organic methods and preventative pest management strategies along with predator insect defense introduction, and therefore we anticipate generating a minimal amount of air pollution or particulates that may pose any risk of harm to environment and/or any individual working at or near the cultivation site. Alvarez Farms cultivation site is located in a remote area off a private road that connects to Spruce Grove Road. The cultivation site will comply to all reasonable complaints filed by neighbors within 1,000 feet of the proposed site. Alvarez Meadow Farms shall plant Mint, Peppermint, Rosemary, Thyme, Basil, and Onions around the perimeter of the proposed cultivation site to counteract the smell during the most fragrant part of the year from September to October. If there is an odor complaint Alvarez Meadow Farms will respond immediately with a phone call and immediate attention to the complaint filed.

1.4 ROLES AND RESPONSIBILITIES

Freddie Alvarez, Director of Cultivation will be personally responsible for responding to any complaints by neighbors.



Alvarez Farm will supply neighboring land owners with the personal contact information for Freddie Alvarez

1.5 MINIMIZING ODOR, AIR POLLUTION AND PARTICULATES

Alvarez Farm anticipates the following sources to be the most significant emitters of odor, air pollutants and particulates. However, we do not anticipate any single source or combined sources to be harmful or detrimental to the neighboring residences or the air quality of Lake County.

Sources/Activities:

- Dust from gravel road and cultivation soil from site;
- Emission from gas powered tractor, wood chipper, and other equipment;
- Odor from processing facility and cultivation site;

DUST FROM GRAVEL ROAD (BMPs)

Alvarez Farm understands that unpaved roads can be a potential source of air pollutants. This problem generally occurs during the dry season from May through October. Alvarez Farm will have BMPs in place to mitigate particulate matter from entering the air from vehicles of visitors or employees. Mainly, Alvarez Farms will have traffic signs indicating desired vehicle speed. The property road will be well maintained and monitored regularly for quality of its surfacing. Possible mitigation measures for reducing particulate matter produced by gravel road travel includes, but is not limited to the following:

- Hiring a water truck as needed to wet the road surface and reduce particulate generation;
- Maintaining the surface of the road; or as needed to reduce particulate matter;
- Reducing the amount of travel on dirt roads through efficient management and enforcing strict speed limits on all road on property;
- Consolidate activities like solid waste removal and supply deliveries to as few per possible per week.

DUST GENERATION FROM SITE (BMPs)

Alvarez Farm understands that there is potential for the generation of particulate matter during soil disturbance activities. The following best management practices will be employed to reduce this risk:

- Establish a full, year-round ground cover within the cultivation site to limit particulate generation during work activities;
- Limit soil disturbance activities to periods when enough moisture is present in the soil to limit particulate generation;



• The actual cultivation site will be mulched or planted into cover crop as soon as possible after any activities that disturb the surface of the soil.

EMMISION FROM TRACTOR AND OTHER EQUIPMENT (BMPs)

Alvarez Farm expects to use the following equipment, which could impact air quality, for cannabis cultivation related activities:

- Gas powered Tractor
- Gas powered wood chipper
- Gas powered brush cutter
- Gas powered lawnmower
- Gas powered chainsaw

In order to mitigate potential effects on air quality from the named farm equipment, Alvarez Farm will ensure that this equipment is used on a minimal basis and all equipment is properly maintained to ensure efficient operation.

ODOR FROM PROCESSING FACILITY(BMPs)

In rooms where cannabis is handled, dried, cured and generally processed, the atmosphere will be scrubbed using inline fans that have been coupled to filters that contain activated carbon. Activated carbon is the cannabis industry standard for the elimination of cannabis odor. Additional HEPA filters will be installed and used to eliminate harmful bacteria and particulates.

Alvarez Farm will log and maintain accurate records, repairs and replacements of the ventilation and odor mitigation systems and will retain records.

POINT SOURCE CONTROL MANAGEMENT

No materials will be such as paints, composite wood, adhesives, and sealants that have the potential for significant emissions. Construction areas, if any, will be isolated to prevent contaminating non-construction areas.

1.6 ODOR COMPLAINT OR NUISANCE MANAGEMENT (BMPS)

Freddie Alvarez will be designated as the responsible party for odor complaints. He will be trained to take the following steps in response to an odor complaint.

• Should an odor complaint be received, he will respond as soon as possible or within 12 hours of receiving the complaint to discuss the issue, recording time, date and person affected, and then will immediately stop



all activities that may cause the odor;

- If he believes that the odor drift was caused by the wind, he will stop operations for one hour until the odor dissipates or until the direction of the wind changes, at which point he will restart operations;
- If the complaint occurs for a second time in a period of 8 hours, he will halt operations for the day. In the case that the odor is the result of the receiving or storage of compost, Alvarez Farm will follow the following practices:
 - o Consider blanketing the compost with non-odiferous material;
 - o Expedite the receiving process.

ADDITIONAL ODOR MITIGATION PRACTICES FOR OUTDOOR CULTIVATION

- Planting hedge rows of native flowering shrubs with coinciding flowering cycles to cannabis, if necessary;
- Development of misting system which serves to increase ambient humidity in the cultivation site and reduce offsite odor drift;

Alvarez Farm will monitor and document the performance of the Air Quality Management Plan implemented at the premises.

On an annual basis, Alvarez Farm will review all documentation pertaining to the performance of the Air Quality Management Plan as to determine if the risk of nuisance odors is within acceptable tolerances or ranges, or can be mitigated further by implementing new best management practices.

1.7 REPORTING PERFORMANCE OF AQMP

All data and information will be made available to Lake County Community Development Staff, and the Lake County Air Quality Management District as required or upon request.

1.8 ONGOING REVIEW

Director of Cultivation, Freddie Alvarez, will review all procedures in the AQMP once a year, or as needed; and he will take action to ensure full compliance with local, state, and federal regulations that pertain to air quality.



Section 2 Cultural Resources

Alvarez Farm is applying for one Commercial Cannabis Cultivation Major Use Permit for three A-Type 3's, one A-Type 1A, and one Type 13-Self Distributor in Lake County, California and as such will adopt a Cultural Resources Plan.

2.1 PURPOSE

The Cultural Resources Plan (CRP) is intended to protect the cultural, historical, archaeological, and paleontological resources on the lot of record where the permitted activity is located.

In-line with the goals of Lake County, Alvarez Farm's CRP includes measures to monitor and evaluate the performance of the plan, as well as ensure that all data and information is reported or available upon request.

2.2 SCOPE

Alvarez Farm CRP focuses on the following: Description of the procedure if cultural, historical, archaeological, or paleontological resources are found on property. All employees are required to follow the procedures outlined in this plan. Any deviations from this plan must be immediately brought to the attention of Freddie Alvarez, Director of Cultivation.

2.3 OVERVIEW

A cultural resources survey was conducted at 12990 Spruce Grove Road in Lower Lake, on August 20th, 2019, by Flaherty Cultural Resource Services. The surveyed area consisted of approximately 5.5 acres, encompassing the proposed cultivation areas on Alvarez Farm on the subject parcel. No cultural resources were discovered within the project boundaries. There were also letters sent out to all the local reservations and tribes associated with this location. There was no record of any archeological resources found on the parcel (APN 012-067-40) including the proposed cultivation area.

2.4 IF CULTURAL RESOURCES ARE DISCOVERED (BMPS)

All activities in the vicinity of the find(s) will be temporarily ceased;

Contact will be made with a qualified archeologist to evaluate the find(s) and to recommend mitigation
procedures, if necessary. All evaluation and mitigation procedures to be in accordance with Section
15064.5 of the California Environmental Quality Act per Flaherty Cultural Resource Services
recommendations.

Alvarez Farm does not expect any expansion to the cultivation site; however, before any expansion of current site or



development of property is commenced, a revised property management plan and site plan will be submitted to the appropriate jurisdictions by Freddie Alvarez, Director of Cultivation.

Section 3 Energy Usage

Alvarez Farm is applying for one Commercial Cannabis Cultivation Major Use Permit for three A-Type 3's, one A-Type 1A, and one Type 13-Self Distributor in Lake County, California. Upon receiving permits from Lake County, CA, Alvarez Farm will implement this Energy Plan.

3.1 PURPOSE

Alvarez Farm has identified energy management strategies and technology that will reduce the carbon footprint generated from the cultivation of cannabis. The purpose of the Energy Management Plan (EMP) is to outline objectives and goals for Alvarez Farm to achieve and identify key strategies and operational procedures that will reduce energy use and consumption.

Alvarez Farm's Energy Management Plan includes measures to monitor and evaluate the performance of the plan, as well as ensure that all data and information is reported to Lake County and the proper local agencies.

3.2 SCOPE

The Alvarez Farm Energy Management Plan focuses on the following:

- Monitoring of energy consumption;
- Establishing a benchmark for performance and efficiency;
- Setting goals for alternative energy and reduction of energy

3.3 OVERVIEW

The EMP applies to all operations performed at Alvarez Farm's cultivation site and that consume energy resources. This includes the usage of all machinery used during the cultivation process cannabis.

The primary goal and objective for the EMP is to establish reliable baseline metrics and benchmark standards for the performance and efficiency of Alvarez Farm's cultivation site. The Energy Management Plan will track the consumption of:

- Electricity;
- Gasoline and Diesel Fuel;
- All employees are required to follow the procedures outlined in this plan. Any deviations from this plan
 must be immediately brought to the attention of Freddie Alvarez, Director of Cultivation.



3.4 ENERGY CALCULATION

The following is energy calculation for the proposed permits:

The following is energy calculation for the proposed permits:				
Appliance	Number in Use	Watts/Unit	Hrs./Day	Total Watts/day
Dehumidifier	4	600	12	28800
CFL Bulbs	60	13	5	3900
Whole Space AC	1	7125	4	28500
Computers	2	120	5	1200
Halide Grow Lights	60	630	12	453600
Fans	2	100	4	800
Vacuum	1	650	.5	325
Wireless Router	3	7	24	504
Coffee Maker	1	1500	.5	750
Phone Charger	4	5	10	200
Security System	1	450	24	10800
Water Pump	2	2000	2	8000

TOTAL WATTS PER DAY	537,379
KWh/DAY	537.38
KWh/MONTH	16,121.4



INDOOR ENERGY CALCULATIONS

The indoor grow building will have a total of 60 metal halide fixtures for cultivation. The halide lights will be 1 lamp GC-315 series ceramic metal halide fixtures from Grower's Choice Horticultural Lighting. A generator will be onsite as supplementary power during inclement weather. For more information and energy calculations please refer to Appendix B.

3.5 ENERGY (BMPS)

Alvarez Farm will implement the following best management practices:

- Provide employees with guidelines for efficient practices;
- Minimize use and turn off lights and unnecessary electronics;
- Conduct annual employee energy efficiency training;
- Use energy efficiency features in all technology;
- Aim for new construction to be net zero energy;
- Non-peak use of pumps, motors, and other energy sources;
- Build shading for buildings and other facilities to reduce load.

ENERGY MANAGEMENT (BMPs) To develop and implement an effective Energy Management Plan, Alvarez Farm will:

- Have an energy assessment conducted by local utility service providers;
- Log and maintain electricity and natural gas bills for five years;
- Log and maintain fuel consumption annually;
- Establish goals for energy conservation;
- Maintain accurate recordkeeping as to the cultivation/production;
- Make records and all data available;
- Adjust strategies as needed to meet energy conservation goals.

ALTERNATIVE ENERGY

Alvarez Farm plans to install a solar array at its grow site to reduce energy consumption. Alvarez Farm intends to operate at 50% alternative energy use by Jan 1, 2023. Solar panel size: will be determined upon solar consultant site visit and the information will be added to the report as necessary.

Property Management Plan for Cannabis Operations 12990 Spruce Grove Road, Lake County, CA 95457 March 11, 2020

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Typical Solar Array Calculations to Support Energy Usage:

STC: 345 watts each x 10 = 3450W nominal array. In a 5.5 hour annual-average solar day = 18.98 kWh per day.

NTC: 264 watts each x 10 = 2640W and that x 5.5 hours = 14.5 kWh per day.

Two proposed batteries are lithium iron phosphate, nominal 10 kWh, 100% usable and 10,000 cycle expected life. Inverter is 4kW continuous, 120/240 split phase, with high surge rating for starting large motors, etc. Includes AC input which will pass generator power through to loads, and charge batteries. To be included in parts list is rapid shutdown system to isolate any high voltage to perimeter around the array itself with a remote pushbutton actuated next to main disconnects.

ENERGY CONSERVATION MEASURES

Due to global climate change increasing the concern for public health and environmental impact, California has enacted laws to offset greenhouse gas emissions. As recommended by the Department's Literature Review on the Impacts of Cannabis Cultivation, the cultivator is required to show evidence of carbon offsets. Alvarez Farms will be in compliance with CCR Title 3, Division 8, Chapter 1, Section 8305. This project proposes being 50% solar powered energy for cultivation purposes by summer 2023.

3.6 MONITORING AND BENCHMARKING PERFORMANCE OF EMP

Alvarez Farm is committed to benchmarking and reducing energy consumption relative to the site's expansion and annual consumption goals. To set a benchmark, analysis will be performed on the following:

Machinery required for the cultivation of and their efficiency;

Energy saving alternatives to machinery;

Operational procedures

3.7 REPORTING PERFORMANCE OF EMP

The result of energy monitoring readings shall be recorded on standard monitoring data forms. All data and information will be reported to Lake County Community Development (CCD; and other interested licensing or regulatory agencies.



Section 4 Fertilizer Usage

Alvarez Farm is applying for one Commercial Cannabis Cultivation Major Use Permit for three A-Type 3's, one A-Type 1A, and one Type 13-Self Distributor in Lake County, California, and therefore Alvarez Farm submits this Fertilizer Management Plan.

4.1 PURPOSE

The Fertilizer Management Plan (FMP) provides guidelines for the application of fertilizers, storage of fertilizers during the cultivation and employee training.

Alvarez Farm Fertilizer Plan includes measures to monitor and evaluate the performance of the plan, as well as ensure that all data and information is reported to Lake County and the proper local agencies.

4.2 SCOPE

The Alvarez Farm Fertilizer Management Plan focuses the following:

- Proper application and consideration of amount applied;
- The timing of applications based on seasonal and climatic conditions and the growth stage of the cannabis crop;
- Proper storage of fertilizers;
- Proper response to fertilizer spills and cleanup;
- All employees are required to follow the procedures outlined in this plan. Any deviations from this plan must be immediately brought to the attention of Freddie Alvarez, Director of Cultivation.

4.3 OVERVIEW

Alvarez Farm approaches soil fertility from an organic and biological perspective. The farm shall use only amendments to the soil and only organic fertilizers. Biologically active soil optimizes plant health, reduces the need for fertilizers, increases plants abilities to fight insect infestation, and reduces irrigation rates overall. Alvarez Farm will require good biologically active compost, and extracts made from compost as the basis for our fertility program. Compost builds healthy soil over time, increasing the infiltration rates of rainwater, and exists in a stable form that produces little runoff. Along with compost, annual soil testing gives a complete view of the mineral balance of the soil. Amendments are added in the spring to adjust mineral balance for the growing season.

To limit infiltration and water quality degradation, Alvarez Farm will irrigate and apply fertilizer consistent with the proper agronomic rate. All application will be at rates that are reasonable for crop, soil, climate, special local situations, management system and type of fertilizer.

All fertilizers will be stored in their original package and may only be used in strict accordance with the product



label requirements including, but not limited to directions pertaining to application, storage and disposal of the fertilizer product. Data safety sheets for all fertilizers will be maintained always.

4.4 FERTILIZER APPLICATION (BMPS)

The following are best management practices used in application:

- Plant cover crop to boost soil fertility and protect from storm events;
- Follow the manufacturer's suggested application rates;
- Contain any spills immediately;
- Prevent off-site drift with hedges or fencing;
- Do not spray directly on surface water to allow fertilizers to
- Drift to surface water spray only when wind is blowing
- Away from surface water;
- Install buffer strips, bio-swales, or vegetation downslope of cultivation site to filter runoff of chemicals from irrigation;
- Implement Integrated Pest Management practices to avoid the need for pest control;
- The use of fertilizer shall not occur within 100 feet of any spring, top of bank of any creek or seasonal stream, edge of lake, delineated wetland or vernal pool.

4.5 FERTILIZER STORAGE (BMPS)

The following are best management practices used in storage:

- Ensure fertilizers are properly labeled and stored to avoid contamination through erosion, leakage, or inadvertent damage from rodents, pests, or wildlife;
- Establish and use a separate storage area for fertilizers;
- Ensure all such storage areas shall comply with the riparian setback requirements, be in a secured location
 in compliance with label instructions, be located outside of areas of known slope instability, and be
 protected from accidental ignition, weather, and wildlife;
- Ensure storage areas have appropriate secondary containment structures to protect water quality and prevent spillage, mixing, discharge, or seepage;
- Store any chemicals in a secure building or shed to prevent access by wildlife.
- Store all products that impact water quality in a manner that does not allow for runoff to surface waters;
- Segregate acids from bases; segregate inorganic oxidizing acids (e.g. nitric acid) from organic acids (e.g. acetic acid), flammables, and combustibles;



- Segregate acids from water reactive metals such as sodium, potassium, and magnesium;
- Store corrosives on lower shelves at least below eye level and in compatible secondary containers, and will
 not store corrosives on metal shelves;
- Store dry powder and granular fertilizers in moisture-proof plastic tubs or containers

Alvarez Farm will maintain an accurate log of all fertilizers to be used for the cultivation of cannabis. The log will detail the date, fertilizer type, amounts applied, method, the operator applying, and any additional inputs or amendments to the soil.

4.6 EVALUATING PERFORMANCE OF FMP

We will evaluate the yields for each batch and harvest of cannabis cultivated against the fertilizer inputs, benchmarks will include:

- Overall dry flower yield per strain, per square foot of canopy;
- Potency for each batch of crop of cannabis cultivated;
- The quantity of amendments or additional inputs used during cultivation;
- Environmental conditions during the flowering phase of plant development.

4.7 EMPLOYEE TRAINING

Alvarez Farm will ensure all employees and managers are trained to adhere to the following best management practices at the cultivation facility. Each employee will be trained on the following:

- Acute, chronic, and delayed effects of fertilizers;
- Routes by which fertilizers can be absorbed by the body;
- Emergency first aid for fertilizer overexposure;
- How to access emergency medical care;
- Decontamination procedures;
- Spill cleanup;
- Importance of showering with soap and warm water;
- Compliant use of fertilizers;
- How to use Personal Protective Equipment;
- Heat illness prevention, recognition, and first aid;
- Safety requirements and procedures for handling, storing, transporting and disposing;
- Warning against taking fertilizers and/or fertilizer containers home;
- Triple Rinsing;
- Proper disposal practices;



- All necessary personal protective equipment will be available, clean, and properly stored;
- Fertilizer application equipment shall be properly calibrated;
- Fertilizer wastes shall not be disposed of on the ground, into or near water, or into storm drains, or septic tanks;
- Fertilizer containers, including empties, will not be left unattended, handled, emptied, stored or disposed of in a way that would create a hazard for people animals including bees, food, feed, crops or property.

FERTILIZERS TO BE USED:

Alvarez Farm will be Organic Certified. Alvarez Farm will only amend the organic bulk soil.

Our Added Amendments to Soil:

- Azomite Micronized (1.6% Calcium, 0.5% Magnesium, 0.1% Chlorine, 0.1% Sodium)
- Calcium Sulfate
- Composted Chicken Manure Fertilizer (3% Nitrogen, 2% Phosphorus, 2% Potassium)
- Crustacean Meal (4% Nitrogen, 12% Calcium)
- Dry Crumbles (6% Nitrogen, 6% Phosphorus, 5% Potassium)
- Fertilizer Pellets (4% Nitrogen, 3% Phosphorus, 2% Potassium, 7% Calcium)
- Fish Bone Meal (4% Nitrogen, 17% Phosphate)
- Glacial Rock Dust (0.846% Magnesium, .0012% Cobalt, 3.28% Iron, .0536% Manganese)
- Granulated Multi-Purpose Fertilizer (9% Nitrogen, 3% Phosphate, 7% Potassium)
- Premium Grade Horticultural Vermiculite
- Alfalfa Meal (2.5% Nitrogen, 2.5% Potassium)
- Kelp Meal (1% Nitrogen, 2% Potassium)
- Magnesium Sulfate Heptahydrate Epsom Salt (9.8% Magnesium, 12.9% Sulfite)
- Natural Organic Phosphate Fertilizer (7% Phosphate)
- Shell Flour (36% Calcium, 91% Calcium Carbonate, 92% Calcium Carbonate Equivalent)
- Sulfate of Potash Water Soluble (52% Potassium)
- Sulfate of Potash (50% Potassium)
- True Organic Fertilizer (7.5% Nitrogen, 5% Phosphate, 7.5% Potassium)
- True Organic Fertilizer (13% Nitrogen)

Phone: 707-542-4321



4.8 REVIEW

Director of Cultivation, Freddie Alvarez, will review all procedures in the Fertilizer Management Plan once a year and will take action to ensure full compliance with local, state, and federal regulations that pertain to the usage of fertilizers.



Section 5 Fish and Wildlife Protection

Alvarez Farm is applying for one Commercial Cannabis Cultivation Major Use Permit for three A-Type 3's, one A-Type 1A, and one Type 13-Self Distributor in Lake County, California, and therefore implements the following Fish and Wildlife Management Plan.

5.1 PURPOSE

The Fish and Wildlife Plan has been designed to minimize any adverse impact on fish and wildlife and to ensure that the cultivation site and operations performed on site by Alvarez Farm is in no way destructive to the local habitat.

5.2 SCOPE

The Alvarez Farm Fish and Wildlife Management Plan (FWMP) focuses on:

- A description of fish and wildlife that live on, or seasonally inhabit the lot of record;
- A description of the habitats found on the lot of record;
- Description of the watershed found on the lot of record;
- Any potential effects the proposed cannabis cultivation may have on the fish and wildlife
- Methods to minimize adverse impacts on the fish and wildlife;
- All employees are required to follow the procedures outlined in this plan.

5.3 OVERVIEW

The parcel is approximately 65 acres of forested land containing primarily black oak and blue oak, with a small conifer component consisting of several mature grey pines and ponderosa pines, with an understory of oaks and pines. Alvarez Farms minimized impacts on fish and wildlife by applying an erosion control plan by hydroseeding with an erosion mix that consists of native species. Our erosion control methods consist of wattles, weed-free rice straw, rip rap rock in all drainage outlets, and rock check dams.

5.4 HABITATS ON LOT OF RECORD

The lot of record includes two prevailing habitat types: (1) Woodland; (2) Mixed Riparian Forest

HABITAT DESCRIPTION FOR SUBJECT REAL PROPERTY

Woodland:

Woodland is a low-density forest forming open habitats with plenty of sunlight and limited shade. Woodlands may support an understory of shrubs and herbaceous plants including grasses. Woodland may form a transition to shrubland under drier conditions or during early stages of primary or secondary succession.



Mixed Riparian Forest:

In mixed riparian forests, very tall oaks are less common, and the frequency of sapling oaks is higher. A mid story canopy of medium sized trees and tall shrubs such as sycamores and box layer are present in mixed riparian forests, composed contains a greater proportion of smaller shrubs than is present in Valley oak elder. The understory woodlands. Mixed riparian forests may be dominated by tall cottonwoods and medium sized arroyo willows and black willows.

5.5 WATERSHED DESCRIPTION

Alvarez Farms is located in the Lower Sacramento River Watershed. The cultivation site is greater than 50 feet from the class II water courses on the property.

5.6 IMPACT MITIGATION STRATEGIES

Alvarez Farm will use the following strategies to maintain our current standing and minimize any future impact on fish and wildlife:

- Be aware of wildlife mating, nesting and migration patterns on property and schedule any construction projects accordingly;
- Survey the areas of impact no more than three days prior to impact or removal;
- If work is to be conducted within the breeding season for nesting, a nesting bird survey should take place at least once before any vegetation disturbance or removal take place;
- Protect any active nests with a 50 to 100-foot buffer (species dependent) or exclusion area until the nest is no longer active;
- Perform fueling and maintenance of vehicles and equipment where absorbent spills and clean-up materials as well as spill kits are available, and such materials should be disposed of properly after use;
- Alvarez Farm shall not disturb aquatic or riparian habitats, such as pools, spawning sites, large wood, or shading vegetation, unless authorized under a CWA section 404 permit, CWA section 401 certification, Regional Water Board WDRs (when applicable), or a CDFW LSA Agreement;
- Alvarez Farm shall maintain existing, naturally occurring, riparian vegetative cover (e.g., trees, shrubs, and
 grasses) in aquatic habitat areas to the maximum extent possible to maintain riparian areas for stream bank
 stabilization, erosion control, stream shading and temperature control, sediment and chemical filtration,
 aquatic life support, wildlife support, and to minimize waste discharge.

5.7 EVALUATING PERFORMANCE OF FWMP

To evaluate the effectiveness of the FWMP, Alvarez Farm will monitor and log water quality monthly, and perform a biological assessment of the property every two years or in the case of site expansion. Biological assessment reports and water quality logs will determine if conservation strategies are successful or if changes needed to be



applied. Professional services will be rendered for biological assessments if necessary.

5.8 REPORTING PERFORMANCE OF FWMP

All data collected by Alvarez Farm for the purposes of conservation will be shared and reported to Lake County officials, as well as to the appropriate agency if requested:

- California Department of Fish and Wildlife
- California State Water Resources Control Board
- California Division of Water Rights;
- Freddie Alvarez will review all procedures in the Fish and Wildlife Plan once a year. In particular, to
 ensure full compliance with local, state and federal regulations that pertain to the conservation of the
 habitat and the species of wildlife it sustains. Alvarez Farm has received the following certification(s):
 - Enrolled in Tier 2 of the Central Valley Regional Water Quality Control Boards Cannabis Waste Water Discharge Program;

Conservational targets, strategies and goals are with those that have been determined by the following conservational acts and programs, but not limited to as follows:

- California Endangered Species Act
- California Environmental Quality Act
- Clean Water Act
- CDFA's CalCannabis Cultivation Licensing Program
- State Water Board's Cannabis General Waste Discharge Requirements for Discharges of Waste Associated
 with Cannabis Cultivation Activities (Cannabis General Order) or any Waste Discharge Requirements
 addressing cannabis cultivation activities adopted by a Regional Water Quality Control Board (Regional
 Water Board)
- State Water Board's General Water Quality Certification for Cannabis Cultivation Activities (Cannabis General Water Quality Certification)
- State Water Board's Cannabis Small Irrigation Use Registration (Cannabis SIUR)
- State Water Board's Water Rights Permitting and Licensing Program. The following agencies and policies were consulted in preparation of this Biological Assessment.
- California Department of Fish and Wildlife (CDFW)
- California Department of Forestry and Fire Protection (CALFIRE)

Phone: 707-542-4321



Section 6 Operations Manual

Alvarez Farm is applying for one Commercial Cannabis Cultivation Major Use Permit for three A-Type 3's, one A-Type 1A, and one Type 13-Self Distributor in Lake County, California; and as such proposes the following Operational Manual.

6.1 PURPOSE

The Operations Manual is designed to outline the operating procedures of the commercial cannabis cultivation site to ensure compliance with the use permit, protect the public health, safety and welfare, as well as the natural environment of Lake County.

6.2 SCOPE

The Alvarez Farm Operational Manual focuses on:

- Authorization for the County, its agents and employees to verify all information in the use permit
- A description of staff screening process
- Transportation data
- Hours and day of operations
- Measures taken to minimize carbon footprint
- Chemicals stored and used on site.
- All employees are required to follow the procedures outlined in this plan.

6.3 AUTHORIZATION TO VERIFY

Alvarez Farm authorizes Lake County agents and employees to seek verification of the information contained within the development permit or use permit applications, the Operations Manual, and the Operating Standards at any time before or after development or use permits are issued.

6.4 STAFF SCREENING

All Alvarez Farm employees will be required to submit fingerprints for a Live Scan criminal history search to be administered but the Lake County Sheriff's Department. Potential employee's must be approved by the LCSD to submit an application for employment. Prospective employees will be asked to submit a formal resume for review which includes education and work history, a statement as to why the employee would like to work for Alvarez Farm, three professional references, and three personal references. Prospective employees whose applications and references have been approved will be granted a formal interview by Freddie Alvarez. Meeting will include presentation on general job description, responsibilities, pay scale, schedule, operating procedures, and additional company benefits. Employees will be notified within seven business days as to whether they will be hired. Alvarez Farm will use an online payroll platform or vendor such as PayChex or Wurk which provides cannabis companies compliance support from the interview to paycheck and taxes. We will use this system to track prospective



employees, pay salaries; and save relevant information including background check results.

6.5 FACILITY OPERATION HOURS

Monday-Saturday 5am-4pm. Facility will be open to authorized staff, deliveries, and pickups. Facility will be closed to the public.

6.6 TRANSPORTATION DATA

This project proposes having four seasonal employees every year during the growing season. The grow season for employees will range from May till November. The projects estimates having two commuter vehicles for employees making a round trip to the site daily. The project also anticipates One truck to be driven by Freddie (cultivator) making one daily trip. Any deliveries to the project site will be scheduled in advance to minimize daily trips as much as possible. The project has three regular parking spaces and one handicap parking space per Article 46.11. Transportation data will be documented and reviewed annually for performance standards and possible methods to reduce daily trips.

6.7 FACILITY CARBON FOOTPRINT

Alvarez Farm recognizes that the most sustainable source of power is the sun, and is committed to growing 100% sun grown cannabis, with as little supplemental lighting as possible. Efforts will be made to minimize the use of fossil fuels through adaptation of green technologies, and equipment used that produce emissions will be regularly maintained and adhere to all applicable emissions standards. For indoor cultivation, Alvarez Farm will gradually be switching from grid power to solar power to minimize carbon footprint.

6.8 CHEMICAL STORAGE AND EFFLUENT

Alvarez Farm uses Organic farming practices by only amending the soil. Organic farming means that no chemical products are allowed for use in the cannabis facility, and no such chemicals will be stored on site. Nontoxic alternatives to conventional cleaning products and building materials will be sourced and used whenever possible. The facility may use small volumes of chemical sanitation products to maintain a sterile work environment inside the facility. These chemicals will be stored in the manner and location described in the Hazardous Waste Plan. No effluent is expected to be produced at the facility.

6.9 SITE MAINTENANCE PROTOCOL

When not in use, all Alvarez Farm equipment, will be stored in the proper designated area upon completion of the task required. Employees will conduct a daily scan of the site to ensure all materials used during the work day have been return to designated storage area in an organized fashion. Any refuse created during the work day will be placed in the proper waste disposal receptacle at the end of each shift, or at a minimum at the completion of the assigned task. Any refuse which poses a risk for contamination or personal injury shall be disposed of immediately. While Alvarez Farm allows grasses and cover crops to grow tall during the rainy season as a soil building technique, when spring seasonal work begins, site will be mowed and trimmed to ensure safe and sanitary working conditions.



Roads, parking areas, and yards shall be maintained at all times to prevent particulate generation and potential illicit discharges of storm water. Adequate drainage features will be installed at the time of construction and dirt surface will be maintained as needed. Rolling dips, out sloping and vegetated swales will be used as potential drainage features if the cultivate site shows signs of poor drainage. If swales are used, infiltration basins will be added to avoid storm water discharge.

The gradual slope of the proposed cultivation site makes it unlikely that the site will require specialized drainage features. Vegetated ground cover will be established over the entire site as soon as possible, and the site will be surrounded on all sides by a densely vegetated buffer strip capable of absorbing any sheet flow or runoff from the site. If the site exhibits poor drainage, techniques mentioned above will be developed. If the site requires a wastewater treatment facility, the facility will be designed, constructed, and maintained to ensure sanitary working conditions, eliminate the possibility of contamination, and protect working and consumer safety.

6.10 PLANTING/CULTIVATION PLAN

The cannabis cultivation plan will include planting for three acres of outdoor cultivation and five hundred square feet of indoor cultivation. The outdoor cultivation will be planted in enclosed plastic similar to the method used for strawberries. For early activation all planting will be in above ground planters to avoid soil disturbance. Upon approval of the major use permit, planting will then transition to in ground. For indoor cultivation, planting will be in 7-gallon pots and have catchment trays to avoid any water spillage. Indoor cultivation will remain the same during early activation and once the permit is approved. Planting will occur once early activation is granted. For the following years, outdoor cultivation planting will begin in June and harvesting will commence in November. Indoor cultivation will occur all year around with harvest occurring every four months. For early activation and regular cultivation season (upon approval of Use Permit), outdoor cultivation will occur on 5 acres with a total canopy of 130,680 square feet. For indoor cultivation, plants will occupy a 600 square foot permitted metal building with a total canopy of 500 square feet.

6.11 EVALUATING PERFORMANCE AND REPORTING OF THE OPERATIONS MANUAL REVIEW

Alvarez Farm Director of Cultivation, Freddie Alvarez, will perform a weekly inspection of the cultivation site to ensure the guidelines of the Operations Manual are being carried out successfully, and the notes shall be logged in the Operations Manual, which is to be kept on site. Any poorly performing elements of the system or improper employee conduct will be corrected. If construction of drainage features or construction is required, all necessary permits and approvals will be acquired from the appropriate agency.



Section 7 Pest Management

Alvarez Farm is applying for one Commercial Cannabis Cultivation Major Use Permit for three A-Type 3's, one A-Type 1A, and one Type 13-Self Distributor in Lake County, California. Alvarez Farm will implement the following Pest Management Plan.

7.1 PURPOSE

The Pest Management Plan (PMP) is designed to ensure that in the use of pesticides, they are used only after monitoring indicates they are needed and used with the goal of removing only the target organism, safely.

Alvarez Farm Pest Management Plan includes measures to monitor and evaluate the performance of the plan, as well as ensure that all data and information is reported to Lake County and the proper local agencies.

7.2 SCOPE

The Alvarez Farm Pest Management Plan focuses on the following:

- Pest prevention, deterrence and organic techniques;
- Employee training and safety;
- Storage of pesticides;
- Monitoring the effectiveness of the plan as well as reporting data to Lake County officials and the appropriate local agencies All employees are required to follow the procedures outlined in this plan.

7.3 OVERVIEW

Alvarez Farm will be a pesticide-free farm. We use an integrated ecosystem focused strategy that focuses on long-term prevention of pests and damage through a combination of techniques such as biological control, habitat manipulation, modification of cultural practices, and use of resistant varieties. Instead of utilizing chemical pesticides, Alvarez Farm will implement proactive systems using beneficial insects to target specifically selected species as well as daily pest scouting to ensure production of the cleanest, purest, high-quality cannabis.

7.4 PEST DETERRENCE

Alvarez Farm practices the following techniques to minimize pest infestations:

- Minimizing dust
- Releasing predatory mites
- Hanging yellow sticky cards
- Removing any infested plant material
- The use of companion plants and other trap crops
- Using reflective mulches if necessary



Alvarez Farm will use organic pesticides including but not limited to:

- Neem oil
- Horticultural oil
- Sulfur
- Insecticidal soaps

PESTICIDE USAGE (BMPs) In the case, all preferred methods of pesticide prevention and eradication have proven unsuccessful, the following are best management practices for pesticide use at Alvarez Farm:

- Pesticides shall be applied only when pollinators are not present;
- Follow all labels and directions before, during and after the use of pesticides;
- Do not over apply pesticides;
- Pesticides are prepared and loaded on an impermeable pad at least 100 feet away from surface water bodies;
- Do not apply pesticides when pollinators are present;
- Do not spray directly into surface water and only spray when wind is blowing away from surface water bodies;
- When possible, use naturally insecticidal plants around or throughout a grow to repel a variety of flying insects and pests;
- The use of pesticides shall not be located within 100 feet of any spring, top of bank of any creek or seasonal stream, edge of lake, delineated wetland or vernal pool.
- If there is a spill or accidental discharge in or on any waters of the site, immediately notify the Office of Emergency Services so that the local health officer can decide what actions, if any, may need to be taken to protect public safety HAZMAT SPILL NOTIFICATIONS 1 (800) 852-7550 or (916) 845-8911

7.5 WORKER PROTECTION (BMPS)

In the case of pesticide use, Alvarez Farm shall follow the EPA's Agricultural Workers Protection Standard by:

- Providing protections to workers and handlers from potential pesticide exposure;
- Providing training on the safe use of pesticides;
- Providing training on how to avoid exposures to pesticides;
- Training to identify pesticides exposure symptoms and how to respond and manage exposures to pesticides
 if they occur



Section 8 Security

Alvarez Farm is applying for one Commercial Cannabis Cultivation Major Use Permit for three A-Type 3's, one A-Type 1A, and one Type 13-Self Distributor in Lake County, California. Upon receiving receipt of this permit Alvarez Farm will implement the following Security Management Plan.

8.1 PURPOSE

The purpose of the Security Management Plan (SMP) is to minimize criminal activity, provide for safe and secure working environments, protect private property, and prevent damage to the environment.

Alvarez Farm's Security Management Plan includes measures to monitor and evaluate the performance of the plan, as well as ensure that all data and information is reported to Lake County and the proper local agencies.

8.2 SCOPE

Alvarez Farm Security Management Plan focuses on the following: A description of security measures to prevent access to unauthorized personnel and protect employees including fences, sign-in/sign-out procedures, locks and alarms. A description of security measures to prevent theft or loss of cannabis and cannabis products.

All employees are required to follow the procedures outlined in this plan.

8.3 OVERVIEW

Alvarez Farm's Security Management Plan includes best management practices that have been established in the cannabis industry and that pertain specifically to the safe and secure operation of a cultivation site, as well as the secure storage of all cannabis and cannabis products.

The Security Management Plan is also compliant with the Emergency Regulations for Cannabis Cultivation, authored by CalCannabis, as well as the regulations established by the California Department of Public Health for state-licensed cannabis businesses.

Alvarez Farm will have security to minimize criminal activity, provide for safe and secure working environments, protect private property, and to prevent damage to the environment. The applicant shall provide adequate security on the premises, as approved by the Sheriff and pursuant to this section, including lighting and alarms, to ensure the safety of persons and to protect the premises from theft.

8.4 SECURITY (BMPS)

The driveway to the property has a locked gate at the entrance and there are other lockable gates at the site.

There will be no signage with the business name or signage that could otherwise be discerned by the public to indicate cannabis cultivation activities. The security camera system will record activities within the cultivation site



and immediately outside of the site 24 hours per day, 7 days per week.

The security camera system will allow for remote monitoring and maintains records for 30 days minimum. All cultivation operations are performed within an enclosed site, secured with commercial grade locks. The site is located on a property with permanent residence and will be occupied by a designated employee daily and nightly.

8.5 ONSITE SECURITY

The Cultivation Site will be protected by an 8' wire perimeter fence, with cemented metal posts on 8' intervals. All terminal posts will be set in concrete. The site will be screened from public view by elevation, 90% sunblock mesh. The entrance to the site will be secured by a metal gate and remained locked by a commercial lock, at all times when no staff is present.

The site will also feature a video monitoring system with full view of the cultivation area, infrared capability, motion sensors to alert management of intruders, and the ability to address potential intruders via loud speakers built into the video monitoring equipment.

8.6 SUSPICIONS ACTIVITY PROTOCOL

All suspicious activity will be recorded via security cameras. In the event that law enforcement is required, the designated Alvarez Farm employee will notify the Lake County Sheriff's Department, and other agencies as appropriate and quickly as possible. The designated employee will then file a suspicious activity report, noting the time and date of the activity and keep record in a secured room on site.

If suspicious activity could result in injury or death of employee or employees, all employees will be evacuated from the premise until activity is controlled or intruder is captured.

If the suspicious activity is believed to be from an employee of Alvarez Farm, Freddie Alvarez will review all security tapes which record areas where suspicious activity may have occurred. If tapes show suspicious activity was perpetrated by an employee, the employee will be asked to leave the premise and relinquish badge and access to the property. If security personnel are necessary on site for the removal of the employee, they will be notified.

If suspicious activity is believed to be conducted by a visitor, designated employee(s) will review the tapes and notify the visitor of our findings. Depending on the severity of the activity, law enforcement will be notified, and charges will be filed against the individual or party. The person or party will no longer be allowed on property.

Breach Procedures (BMPs): Property Breach: if an unauthorized individual gains access to the property, local law enforcement will be notified immediately. Freddie Alvarez or the designated employee will determine if it is necessary to cease operations; and if necessary, notifications will be sent to all employees whom will enter nearest operational room and will lock doors and turn off lights; when determined safe, Freddie Alvarez or the designated



employee will notify all employees.

Digital Breach: Freddie Alvarez will immediately assess any damages and losses incurred from the event and will determine an operational recovery timeline; and will investigate all digital records, data and systems to ensure that no cyber-theft or damage has occurred and investigate all cloud-based backups to ensure that no damage has occurred.

8.7 VISITOR LOG REQUIREMENTS

Alvarez Farm will maintain an employee and visitor arrival and departure log, which contains, the name of the visitor, date and time of arrival and departure, and the purpose of the visit. All logs will be kept in a secured office only accessible by Alvarez Farm management team, in particular Freddie Alvarez.

8.8 THEFT AND LOSS PREVENTION (BMPS)

Alvarez Farm employees and visitors will be under video surveillance at all times. All cannabis will be stored in a locked, secure room, accessible only to farm management. Other anti-diversion methods include:

Supervising tasks or processes with high potential for diversion (including the loading and unloading of cannabis transportation vehicles). Providing designated areas in which personnel may store and access personal items. No visitors will be allowed to the facility, with the exception of local and state agency representatives authorized to act on their behalf. Only employees with scheduled shifts may enter the property; and each employee will be required to check-in properly.

Additional surveillance cameras will, additionally, be installed in areas used for employee parking in or around the cultivation site. All employees will be trained to identify suspicious activity and suspect individuals loitering around the property.

Only Alvarez Farm management team will be allowed to access the vault or storage for any harvested cannabis. Surveillance cameras will be installed throughout the secure storage areas, including each point of ingress/egress as to capture facial details, and allow for facial recognition as well as in all rooms where cannabis is handled.

All cannabis will be weighed, documented and logged at each stage of the processing phase, which includes drying, trimming and curing. Each plant and batch of cannabis cultivated will be properly tagged and assigned a unique identification number (UID). In addition to Track-and-Trace, an inventory tracking system will be established to prevent diversion. At the end of each day, Director of Cultivation, Freddie Alvarez will inspect secured rooms and record inventory on a log. All in/outs of inventory will be recorded on a log, as well. These logs will be kept in secured room with extremely limited access.

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Property Management Plan for Cannabis Operations 12990 Spruce Grove Road, Lake County, CA 95457 March 11, 2020

BC Engineering Group
Civil Engineering & Land Planning

EMPLOYEE VETTING – LOSS PREVENTION

Alvarez Farm will conduct extensive background checks of all employees hired on a full-time or seasonal basis to

ensure they are in good standing with the law and do not have a previous history of theft, violence or major offenses.

All employees and managers are provided a badge or ID issued by Alvarez Farm with required information to be

worn when in restricted on areas on the farm. Information includes Alvarez Farm's name and license numbers,

employees first and last name, and a color 2 inch by 2-inch photograph that shows the employees face.

All employees must wear their approved Employee Photo ID Badge at all times while at the cultivation site. No

access to operational areas of the facility will be allowed to any employee not in possession of or wearing their ID

Badge. The badge must be worn above the waist and be visible at all times.

Any employee who forgets his/her badge should immediately notify a manager to have the shift rescheduled. Only

Alvarez Farm management team will be granted access to the secure storage rooms and secure storage vaults located

on-site.

RESTRICTED AREAS – LOSS PREVENTION

The restricted areas include the cultivation site, the processing facilities, on-site office and any area with company

records, access to security cameras or information related to Alvarez Farm. All restricted areas and point of entry

and exit on the premises are securely locked using commercial-grade locks.

Alvarez Farm prevents the unauthorized entrance into restricted areas within the farm by controlling access to those

areas by:

Limiting access to only certain personnel and for the sole purpose of executing their specific job function and duties.

Any person on the premises, except for employees and contractors of the licensee, are escorted at all times by the

licensee or at least one employee of the licensee when in the limited-access areas of the premises.

CHAIN OF CUSTODY (BMPs) – LOSS PREVENTION

While in transit, raw materials and cannabis products are the most vulnerable. In particular, shipping, receiving and

finalizing cannabis transactions present a security threat to Alvarez Farm cultivation facility.

The following practices, therefore, shall be employed:

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- All shipments—incoming and/or outgoing—will occur on a scheduled basis. No unscheduled shipments
 will be received or sent out for delivery.
- Alvarez Farm management team will verify the vendor's identity by requesting government-issued ID and
 checking information against a manifest of vendor drivers. Alvarez Farm management team will inform site
 supervisor that a vendor is present and escort the vendor into the facility. All shipments will take place in
 areas that are covered by video surveillance.
- All outgoing products will be tracked and documented using the Track-And-Trace system.
- All shipments will be verified against the shipping manifest to ensure the accuracy of the items received/being distributed - any discrepancy will result in a cancelled transaction.
- All discrepancies will be reported immediately to a member of Alvarez Farm management team.
- All discrepancies are to be reported to the appropriate law enforcement, local and state agencies.
- In the case of any theft, Alvarez Farm will notify the local law enforcement and/or the state bureau.

8.9 VIDEO SURVEILLANCE

The facility will be protected by a Lorex 4K DVR system that will monitor the entire perimeter and inside of the cultivation site, inside processing facility, the security fence, and all gates and rights-of-way in order to capture all activity in areas where cannabis is handled, tested, cured, processed or stored.

Surveillance will be conducted 24 hours a day, 365 days a year, without interruption. All video surveillance recordings will include a date and time stamp for every recorded frame and are designed to record images in high quality and high resolution to clearly capture revealing facial detail.

Video Surveillance: The site will have a complete digital video surveillance system capable at a minimum of 4K pixel resolution. The surveillance-system storage device or the cameras are transmission control protocol/ TCP/capable of being accessed through the internet for remote access 24/7. All areas recorded by the video surveillance system have adequate lighting to allow the surveillance cameras to effectively record images.

Cameras are immobile and will be installed in a manner to prevent tampering Cameras are placed in a location that allows the camera to clearly record activity occurring within 20 or more feet of all points of entry and exit on the licensed premises and allows for the clear and certain identification of any person and activities in all areas required to be filmed under subsection.

The following areas are recorded:

 Areas where cannabis goods are weighed, packed, stored, quarantined, loaded and unloaded for transportation, prepared, or moved within the premises;



- Areas where cannabis is destroyed;
- Security rooms;
- Areas storing a surveillance-system storage device with at least one camera recording the access points to the secured surveillance recording area;
- Interiors and exteriors of all entry points of the site and buildings. Cameras record continuously 24 hours
 per day at 30 frames per second. All interior cameras (if any) will be moisture proof and all exterior
 cameras will be water- proof. Cameras with infrared capabilities will be used for the perimeter fencing;
- All cameras will include motion activated sensors. All cameras will have color capability, record digitally
 and be capable of integrating with door alarms.

In areas with inadequate lighting for the cameras being used, sufficient lighting shall be provided to illuminate the camera's field of vision or night or infrared cameras will be utilized. The physical media or storage device on which surveillance recordings is stored and is secured in a manner to protect the recording from tampering or theft. Surveillance recordings are kept for a minimum of 30 days and recordings will be kept in a secured room in a controlled environment, separate from the rooms where the computers and monitor system are located.

Videos will be available for inspection by local law enforcement or state bureau employee(s) and can be copied and sent or transferred upon request.

8.10 INFORMATION TECHNOLOGY SECURITY (BMPS)

Alvarez Farm has developed the following contingency measures to ensure the security of digital records and systems that are vital to the operation of the facility. In the event of flood, fire or theft, these contingencies will allow us to resume operations as soon as operationally possible. All digital records and systems that are vital to Alvarez Farm will be backed-up on a weekly basis. The data backup will be stored off-site, on a cloud-based server accessible only to management level employees.

Access to digital records and systems will be highly regulated. No visitors will be allowed in the secure storage areas, operational areas, or any area where digital recordkeeping takes place. Employees will be trained on the importance of maintaining the security of all digital records and systems and will be required to sign a form of acknowledgment testifying that they have been trained, understand and are aware of all digital security measures and all access control policies.

8.11 SECURITY PERSONNEL

If Freddie Alvarez and management deem that outside security personnel are necessary, Alvarez Farm will engage a local security company for security personnel to provide security services on the premises when an emergency response is necessary. All security personnel hired or contracted by Alvarez Farm comply with Chapters 11.4 and 11.5 of Division 3 of the Business and Professions Code.



8.12 REVIEW

Alvarez Farm will commission an independent annual inspection to evaluate whether the installed equipment should be updated and to review maintenance routines.

Emergency Contact Personnel: Freddie Alvarez (707) 888-2591; email goldpawn707@yahoo.com

Section 9 Stormwater Management

Alvarez Farm is applying for one Commercial Cannabis Cultivation Major Use Permit for three A-Type 3's, one A-Type 1A, and one Type 13-Self Distributor in Lake County, California, and accordingly is implementing the following Storm Water Management Plan.

9.1 PURPOSE

The purpose of the Storm Water Management Plan is to protect the water quality of the Lower Sacramento River Watershed and the storm water management systems managed by Lake County Department of Water Resources.

Alvarez Farm Storm Water Management Plan includes measures to monitor and evaluate the performance of the plan, as well as ensure that all data and information is reported to Lake County and the proper local agencies.

9.2 SCOPE

The Alvarez Farm Storm Water Management Plan focuses on the following: Protecting its water bodies (Class II & III water courses) from water quality degradation from activities and uses associated with cannabis cultivation such as use of topsoil, fertilizer, etc.

Alvarez Farm Storm Water will not discharge to adjacent water bodies or properties. Alvarez Farm will be in compliance with the Lake County Storm Water Management Ordinance; and Grading Ordinance. Alvarez Farm shall utilize best management practices for construction and post-construction activities.

All employees are required to follow the procedures outlined in this plan.

9.3 OVERVIEW

Alvarez Farm prepared an outdoor cultivation site in the least possible impact area for stormwater runoff. All diffused stormwater is dispersed with a large enough vegetated buffer to treat runoff. Each site and area of disturbed surface will be seeded, strawed, and have straw wattles in place. The seed protects and stabilizes the soil, the straw slows the water and the wattles filter out any unwanted contaminants. All diffused surface water shall be slowed by the mulch from the hydroseed and the straw and wattles protecting any receiving water bodies. To protect the diffused surface water in compliance with section 122.26 the stormwater system of Lake County.

Alvarez Farm recognizes that the protection of surface waters is paramount to the operation of an environmentally



friendly cannabis farm. Surface contamination from roads is a problem in Lake County, and other rural communities.

The Alvarez Farm property contains existing roads for the purpose of ingress and egress to the cultivation site. The storm water management plan will address some of the remaining smaller issues that may, under extreme precipitation events, result in distribution of sediment to waterways, to further address chronic issues associated with the existence of roads through best management practices; and to ensure that there is no risk of contamination via fertilizer or chemicals. Alvarez Farm has already eliminated direct storm water impacts from the road system we will continue to reduce potential risk of impacts to surface waters.

9.4 PROTECTING DOWNSTREAM WATER BODIES FROM WATER QUALITY DEGRADATION

Alvarez Farm will manage storm water by continuing to upgrade the road system, implement measures to prevent potential of contamination from fertilizers and chemicals, implement best management practices, and train personnel about best management practices and emergency waste discharge response.

9.5 TOPSOIL, FERTILIZERS, AND PESTICIDE RISKS

The cultivation site will include agricultural BMPs, as well as storm water BMPs that help create a healthy, and clean agricultural system. The implementation of an Integrated Pest Management creates an environment where pesticides, herbicides, and fungicides can usually be avoided and so these chemicals are not used on the farm. Not having them present is the first step in ensuring that they cannot contaminate any waterways. Well maintained biologically alive soils aid in plant nutrient uptake. All fertilizers applied are biologically based and organic in nature. Liquid fertilizer, the kind that is most likely to contaminate waterways, will not be used on site. With regard to top soil, the agricultural BMPs that insure it remains on site include, cover crops, 100% ground cover and mulches, and avoidance of mechanical compaction of the soil.

9.6 ILLIXIT NON-POINT SOURCE DISCHARGE WILL BE ELIMINATED

Alvarez Farm recognizes that the greatest risk of storm water discharge and potential sediment delivery to receiving waters is often from the dirt surfaced interior road system. The property road system will be maintained to reduce this risk. Alvarez Farm will ensure that drainage features on the existing roads are designed to avoid possible connection to receiving waters, and instead to discharge to wooded areas for infiltration. If necessary, water bars and rolling dips were installed at appropriate locations to slow the surface flow of storm water runoff and reduce flow to any culverts located on the road system. Alvarez Farm will consider installing 4-6 inches of 1.25 diameter rock to the surface of the road system to further slow road runoff, and capture sediment contained in the runoff.

For activities related to the cultivation of cannabis, Alvarez Farm intends to cultivate on areas of the property with gradual slope <30%. A year-round groundcover of native and pasture grasses will be maintained over the entire site. Disturbance activities will not be conducted during the wet season, Oct 15 to April 15, and cover crops will be used



in the canopy area during the winter.

9.7 PUBLIC ROADS

Spruce Grove Road is a county dedicated public road. The use of this public road to and from the Alvarez Farm property will not result in an impact to downstream hydrologic structures nor the geomorphological features of waters of the state. This is due to the fact that discharge will not increase and the turbidity of waters that are turbid will decrease do to monitoring, maintenance and systematic implementation of BMPs. This will result in a net positive impact on downstream hydrologic features, both natural and manmade.

There is no risk of increase in stream discharge from the property because soil infiltration capacity is not being decreased, storm water drainage systems such as ditches release water onto hill slopes where it infiltrates, rather than directly into streams, and there are no stream diversions.

9.8 COMPLIANCE WITH THE REQUIREMENTS OF CHAPTER 29, STORMWATER MANAGEMENT ORDINANCE OF THE LAKE COUNTY ORDINANCE

Alvarez Farm has reviewed the Lake County Storm Water Management Ordinance and finds the project to be in compliance with the ordinance. This project minimizes development, meets Regional Water Quality Control Board requirements, as has been enrolled in the general discharge waiver program since April 2018, and does not require an NPDES storm water management plan or SWPPP.

9.9 PROPOSED GRADING

Any proposed grading at the cultivation site will be done on an area with an average slope of less than 10%. This location is more than 100 feet from surface waters and has a native vegetative buffer strip intact for over 100 feet surrounding the entire garden. Any project grading will utilize all available and required BMP's and commence only once all applicable permits have been acquired.

9.10 STORMWATER (BMPS)

Alvarez Farm will implement a storm water management plan to protect waterways and water bodies from runoff and erosion. The property uses the following design measures and operational tactics to minimize harmful run off from reaching any water ways or water bodies.

Site Design Measures (BPMs): Locate cultivation site more than 100 feet from any spring or top bank. Locate covered storage areas more than 100 feet from any spring or top bank

Minimize compaction of highly permeable soil and use of impervious surfaces. Limit clearing and grading of native vegetation at the site to the minimum area needed to build the project, allow access and provide fire protection. Minimize use of impervious surfaces by concentrating development on the least- sensitive portions of the site, while leaving the remaining land in a natural, undisturbed state.

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Erosion and Sentiment Prevention Methods (BMPs) Hire an experienced, reputable, and licensed operator to conduct operations if heavy equipment is required to develop roads and the grow site. Minimize grading and soil disturbance during grow site development. Native grass seed will be applied outside of the cultivation area to disturbed areas before installation of mats/blankets and wattles. Storm water drainage structures should not discharge onto unstable slopes, earthen fills, or directly to a watercourse. Drainage structures should discharge onto stable areas with straw bales, slash, vegetation, and/or rock riprap. Alvarez Farm will check and maintain erosion control/drainage structures and keep culverts clear of debris. Remove excess soil and other debris and place used material in safe and dry environment. All necessary control structures should be in place and functioning, and all areas of exposed soil because of grading should be stabilized as soon as possible after grading is complete and before any precipitation event that could cause erosion and/or deliver storm water runoff to a water body. Riparian zones will be avoided, and vegetation will be maintained to protect water courses from growing operations.

9.11 CONSTRUCTION STORM WATER MANAGEMENT PLAN

Alvarez Farm does not anticipate any new construction at the cultivation site or on property other than the construction and use of prefabricated storage facilities; fencing the and installation of water tanks. However, Alvarez Farm will implement a Low Impact Development (LID) strategy when possible.

Alvarez Farm will implement construction (BMPs) by scheduling construction activities during dry weather and keep grading operations to a minimum during the rainy season.

Protect and establish vegetation to prevent dislodging and transporting of soil. Train and educate construction crews and personnel to better understand the effects of storm water pollution from construction projects and learn ways to prevent or minimize pollution on the job.

Stabilize construction entrances and exits to prevent tracking onto roadways. Protect exposed slopes from erosion through preventative measures such as covering the slopes to avoid contact with storm water by hydroseeding, applying mulch and/or using plastic sheeting. Use brooms and shovels whenever possible to maintain a clean site instead of a hose.

Establish a vehicle storage, maintenance and refueling area to minimize the spread of oil, gas and engine fluids. The use of oil pans under stationary vehicles will take place. Alvarez Farm will protect drainage inlets from receiving polluted storm water using filters such as fabrics, gravel bags or straw wattles, and so doing check on a regular basis the weather forecast and be prepared for rain by having necessary materials onsite before the rainy season.

9.12 PARAMETERS AND METHODS OF MONITORING

Alvarez Farm will report annually to either the Central Valley Regional Water Quality Control Board or the California State Water Resources Control Board as required, and reporting forms will be made available to the Lake



County Community Development Department (CDD).

Storm water Management plan and notes will be kept on areas needing improvement. Any failing elements within the system that could result in the illicit discharge of storm water will be addressed immediately. Ongoing storm water reporting logs will be made available to the County and/or other regulatory agencies.

9.13 REVIEW

Alvarez Farm will review the Storm Water Management Plan on an annual basis, in conjunction with the review of the Water Uses Management Plan.



Section 10 Waste Management

Alvarez Farm is applying for one Commercial Cannabis Cultivation Major Use Permit for three A-Type 3's, one A-Type 1A, and one Type 13-Self Distributor in Lake County, California. Accordingly, Alvarez Farms will implement the following Waste Management Plan.

10.1 PURPOSE

The Waste Management Plan (WMP) provides guidelines to minimize the generation of waste and for the proper disposal of waste produced during the cultivation and processing of cannabis at Alvarez Farm. The primary objective is to prevent the release of hazardous waste into the environment, minimize the generation of cannabis vegetative waste and dispose of cannabis vegetative waste properly, and manage growing medium and dispose of growing medium properly.

Alvarez Farm's WMP includes measures to monitor and evaluate the performance of the plan, as well as ensure that all data and information is reported to Lake County and the proper local agencies.

10.2 SOLID WASTE

OVERVIEW

Alvarez Farm's Solid Waste Management Plan (SWMP) is implemented from seed to storage to sale. In each stage of the business cycle Alvarez Farm will carefully consider the lifecycle and environmental impact of all materials brought on property and used in cultivation and packaging. Reusable, compostable or recycled materials are preferred and Alvarez Farm will seek to continuously improve efficiencies and reduce volume each year in business.

SCOPE

The Alvarez Farm Solid Waste Management Plan focuses on the following: The reduction of solid waste in accordance with the County of Lake and the State of California's conservational goals, in particular bearing in mind the demand that has been placed on the County's local landfill due to the event of recent catastrophic wild fires and residential and commercial structure losses.

The operations of a sustainable solid waste management system to ensure the protection of the environment, streams, riverbeds, wetlands and all habitats surrounding the cultivation premises. Mitigating the amount of solid waste diverted to a landfill. Properly monitoring, evaluating of effectiveness of the plan, and reporting of data to Lake County and the appropriate local agencies

All employees are required to follow the procedures outlined in this plan.



SOURCES OF SOLID WASTE

We have identified the following items as sources of potential solid waste generated at our facility:

WASTE TYPE	ANNUAL ESTIMATE	PEAK - DAILY ESTIMATE		
Paper	365 LBS	1 LBS		
Glass	182.5 LBS	½ LBS		
Metal	40 LBS	0.11 LBS		
Electronics	10 LBS	0.28 LBS		
Plastic	1 TON	5.48 LBS		
Organics	300 LBS	0.82 LBS		
Inerts	250 LBS	0.68 LBS		
Household hazardous waste	100 LBS	0.27 LBS		
Special waste	10 LBS	0.28 LBS		
Mixed residue	NONE	NONE		

SOLID WASTE REDUCTION PLAN

Alvarez Farm intends to decrease waste by 25% over the first three years of operations and will continue to make efforts to reduce waste a priority. Total volumes are recorded and logged each month as benchmarks for next year's goals.

SOLID WASTE REDUCTION PLAN (BMPs)

Alvarez Farm will: Achieve annual rate of waste diversion with a target goal of 90%. Assign and train staff on waste reduction and discuss waste and recycling strategies once per quarter and at the beginning of each phase of the cultivation process with subcontractors and vendors with the goal of reducing solid waste generation. Designate multiple spaces on the property to collect recyclable materials and sort materials into biodegradable, recyclable and non-recyclable receptacles Reuse and recycle materials to divert waste from landfill; and promote conscientious purchasing with the following:

• Consider lifespan of the purchase, utilize warranties and servicing options



- Consider purchases with replaceable parts so they are easy to repair
- Look for products that can easily be reused or recycled or are made from recycled materials
- Check that the products do not contains toxic materials
- Consider products with minimal packaging

Alvarez Farm will purchase farm inputs and materials in bulk using reusable totes and containers and looks for companies that use reusable, compostable; or recyclable packaging while working with logistics vendors to maximize transportation and logistics efficiencies.

Work with packaging vendors who share our waste reduction goals and offer recyclable materials; Design packaging with eco-friendly, reusable and/or recyclable materials; and budget financial resources to waste reduction.

Evaluate waste reduction programs with professionals, annually, and modify as needed to achieve our goal. Manage, track and analyze information for actionable insights and cost savings.

SOLID WASTE COLLECTION

Alvarez Farm will maintain separate trash enclosures and storage areas for organics, recyclable waste and non-recyclable waste in compliance with Lake County Ordinances. All compostable waste will be composted on site. All non-compostable solid waste will be hauled to a solid waste facility, obtaining record from solid waste facility showing the acceptance of all solid waste, address of facility, the date, the volume or weight.

For onsite collection of waste, Alvarez Farm will place portable waste bins designated for green waste, recyclables and non-recyclables in the most convenient and highly trafficked areas for easy disposal. At the end of each day, all solid waste will be brought to the respective solid waste collection area and stored in a secured bin to prevent wildlife from entering.

Two to four times per month, designated employees will gather all non-compostable solid waste and haul to the Clearlake Landfill and Quakenbush Facilities in Clearlake, CA., using a company truck. Recycling waste will be placed into reusable bins for transport. Non-recyclable waste will be placed in bags. All solid waste will be secured under tarps in transit.

MONITORING AND DOCUMENTING THE GENERATION AND REDUCTION OF SOLID WASTE

Alvarez Farm will track and calculate, in tons, total waste leaving the property and waste diversion rate monthly. Freddie Alvarez, Director of Cultivation is responsible for recording total weight of recyclable and non-recyclable solid waste removed from the property and records are be kept for inspection and review in a locked office.

We will benchmark annual ratio of retail-ready flower products to solid waste generated.

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DATA REPORTING

Alvarez Farm will share all data pertaining to the cost of implementation, success/failure rates of the solid waste

plan and any effort taken to mitigate the generation of solid waste to Lake County on a quarterly basis or as

requested.

REVIEW

Freddie Alvarez, Director of Cultivation, will review all procedures in the Solid Waste Management Plan once a

year and will take action to ensure full compliance with local, state and federal regulations that pertain to solid waste

management.

10.3 HAZARDOUS WASTE MANAGEMENT PLAN

OVERVIEW

Alvarez Farm's Hazardous Waste Management Plan (HWMP) is designed to identify and evaluate hazards associate

with cannabis cultivation at Alvarez Farm. This includes analysis of cultivation, processing, storing and packaging

as well as all other activities associated with the production of cannabis on site. The goal of the plan is to determine

whether there are existing hazards which require preventative control. Hazards include biological, chemical or

physical.

Alvarez Farm does not intend to use or produce any hazardous waste on site.

SCOPE

The Alvarez Farm Hazardous Waste Management Plan focuses on the following: The identification of any and all

hazards associated with cannabis cultivation, processing and packaging on site. The management, storage and

recordkeeping of hazardous materials. Proper clean up and disposal and emergency spill response procedures.

All employees are required to follow the procedures outlined in this plan. Any deviations from this plan must be

immediately brought to the attention of Freddie Alvarez, Director of Cultivation at Alvarez Farm.

HAZARD ANALYSIS

The analysis includes the following: Biological hazards, including microbiological hazards; chemical hazards,

including radiological hazards, pesticide(s) contamination, solvent or other residue, natural toxins, decomposition,

unapproved additives, or food allergens. Physical hazards, such as stone, glass, metal fragments, hair or insects.

In the case the preventative controls are recommended, Alvarez Farm will implement those measures before each

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IDENTIFICATION OF POTENTIAL HAZARDS

Biological Hazards:

Cultivation activities may require the use biologically active fertilizers. Application of these products will follow all

rules for safe pesticide and fertilizer storage and application. All Alvarez Farm employees will be trained in the safe

handling of potential biological hazards.

Chemical Hazards:

While Alvarez Farm utilizes organic farming, and prioritizes the use of non-hazardous products and materials, there

may be a potential for chemical hazards with the use of cleaning products, fuels, and various construction materials.

Should Alvarez Farm employees use these products, all will be trained in safe handling and application procedures.

All potentially hazardous materials will be stored in a manner to minimize the risk of spillage and contamination, in

a secure and clearly marked area.

Physical Hazards:

An analysis of the cultivation site produced no evidence of physical hazards. To limit potential future risk, the site

will be kept free of rubbish and debris, and employees will wear appropriate protective clothing while working on

site.

Evaluation:

The most effective strategy to reduce the potential for illness and injury from hazardous wastes is to reduce their use

and presence onsite. In the case that hazardous material is stored and used, the following best management practices

are followed to reduce risk:

All hazardous materials will be clearly labeled as hazardous and stored in a manner which reduces the risk of

spillage and contamination. All employees will be trained in the safe handling and storage protocols for hazardous

materials.

All employees will be briefed on the emergency response plan for possible spillage of, or exposure, to hazardous

waste, and the location of emergency contacts and response procedures. All hazardous waste will be disposed of

properly.

In regard to the end product and the cannabis consumer, we will evaluate the following:



- The sanitation conditions of the processing site;
- The operation's transportation and transfer practices;
- Processing procedures;
- Packaging and labelling activities;
- The storage of packaging and/or the finished cannabis;
- Any other relevant factors product

Alvarez Farm intends to only produce pure cannabis flower products for the medical and adult use (commercial) consumer market. No additional ingredients or additives will be used in the processing or packaging process. Licensed distribution companies involved in the transport of Alvarez Farm products will be assessed for the safe and sanitary conditions of their company vehicles used for transport. Products, at the time of transfer and transport will be placed in compliant packaging, and completely sealed from the outside environment in airtight containers.

Alvarez Farm's storage, processing, and packing facility will follow the guidelines set for the in the USDA's Sanitation Performance Standards Compliance Guide, in order to ensure the highest standards for employee and consumer safety.

MANAGEMENT OF HAZARDOUS WASTE

Currently there are no RCRA or Non-RCRA hazardous waste located on the premises. Clear plastic totes will be used for the storage of potentially hazardous waste and clearly labeled to display the volume and type of material stored. Containers will be stored in a locked storage area and will only be accessible to authorized staff.

The type of material, date, and time will be entered into a hazardous waste manifest located within the secure storage area and will be stored for five years. When returning material into storage, the type of material, volume used, name of employee, date and time will be entered into the manifest. Storage areas containing hazardous waste will be inspected weekly by Alvarez Farm staff to ensure accurate record keeping and safe storage conditions.

EMERGECY PROTOCOL - FOR SPILL OR CLEAN UP

In the case of a spill, the employee shall:

Perform an initial risk assessment from a safe distance, first considering the type of material spilled, volume of spill, potential for fire or airborne vapor; and then immediately make contact with Freddie Alvarez and give an initial risk assessment. In the risk of fire, call 911 or the Lower Lake Fire Department, and locate the nearest posted fire extinguisher. If no immediate fire risk is present, employee shall change into appropriate safety gear/equipment and clean up spill immediately. After spill has been cleaned, place material in a secure storage bin to be taken to a



hazardous waste recovery facility along with all clothing worn during clean up. If an immediate risk is perceived, all staff will evacuate the premises, contact the appropriate response authorities, and log as the nature of the spill for reporting to emergency response authorities.

EMPLOYEE TRAINING

All Alvarez Farm staff will be responsible for the safe handling, storage, and disposal of hazardous materials. An introductory training on company procedures will be conducted before any employees can begin working. Training will include:

- Procedures for the safe disposal of hazardous materials. Storage locations containing hazardous materials and the labeling system for materials.
- How to appropriately log and track the movement and use of hazardous materials onsite; and required safety gear and appropriate clothing to wear while handling hazardous materials;
- Use of hazard grade Personal Protection Equipment according to the specific requirements of the hazardous
 material including: rubber gloves, rubber boots, glasses or eye protectant, ear protectant, apron or skin
 protector, air filter face mask, chemical spill UL grade filter, proper wash and storage are of PPE materials;
- Chemical bins and storage will be separate from all other material and handled accordingly;
- Emergency spill response procedure, the location of emergency response contact information, locations first aid stations and the location of fire extinguishers on the premises

RECORD KEEPING AND STORAGE

Alvarez Farm does not intend to utilize or generate hazardous waste as part of the cannabis cultivation program. However, data will be logged into the hazardous waste manifest located in storage where hazardous materials are stored, in the case of use or incidental generation.

The storage room shall be maintained with the materials safety data sheets (MSDS) appropriate to the contents of the room. All employees shall be trained for competency on how to read and understand these documents:

- Name of chemical;
- Manufacturer's information;
- Hazardous ingredients/identity information;
- Physical/chemical characteristics;
- Fire and explosion hazard data;
- Reactivity data;
- Health hazard data;



- Precautions for safe handling and use
- Control measures: Duplicate copies of the MSDS shall be maintained in a separate location on-site, along
 with records of the locations of volatile or restricted substances.

10.4 CANNABIS VEGETATIVE MATERIAL WASTE MANAGEMENT PLAN OVERVIEW

Alvarez Farm's Cannabis Vegetative Material Waste Management Plan (CVMWMP) provides compliant guidelines for on-site composting and removal of all cannabis waste, organics and green waste.

Alvarez Farm's CVMWMP includes measures to monitor and evaluate the performance of the plan, as well as ensure that all data and information is reported to Lake County and the proper local and/or state agencies.

SCOPE

The Alvarez Farm Cannabis Vegetative Material Waste Management Plan focuses on the following:

The recording and benchmarking of the amount of cannabis vegetative waste generated on site on an annual basis.

The reduction of cannabis vegetative waste generation; and the processing, storage and disposal of cannabis vegetative waste

All employees are required to follow the procedures outlined in this plan.

ESTIMATES FOR CANNABIS VEGETATIVE WASTE

We estimate that the three A-Type 3's and the one A-Type 1A cannabis crops will produce 760 lbs of cannabis vegetative waste which will consist of stems, branches, trunks, roots and other organic materials from the plant rendered useless in the harvesting process.

CANNABIS VEGETATIVE WASTE REDUCTION PLAN

Alvarez Farm's reduction plan hinges on healthy plants and the composting of all clean unusable cannabis vegetative waste on site.

PROCESSING, STORAGE AND DISPOSAL (BMPs)

Alvarez Farms shall recycle all vegetative wastes to pigs and transport any solid wastes to the compost area. All leaves from pruning will also be given to the pigs on the farm to minimize cannabis vegetative waste. All green waste is held in designated holding area for 72-hour period with affixed batch information and weight before beginning the composting process to render unusable, cannabis vegetative waste will be shredded and made unrecognizable and added to a ground mixture of at least 50% non-cannabis material, tracking each batch from

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disposal to compost through track and trace once the system is live at the State level.

Green waste that is unable to be composted for any reason will disposed of in a secure receptacle and brought to a solid waste facility, obtaining record from solid waste facility showing the acceptance of the green waste material, address of facility, the date, the volume or weight of cannabis accepted.

Detailed records of cannabis vegetative waste will be logged and benchmarked for the Clearlake Landfill and/or Quakenbush Facilities.

STORAGE

The facility will feature a secure cannabis waste area for cannabis plants that have been marked for disposal. At the close of each day, cannabis plant waste from the property will be removed and placed in the secured cannabis waste area and held for a minimum of 72 hours. The secure waste area will remain locked and only authorized personnel will have access. At the end of each week, all cannabis products that have been marked for disposal shall be rendered unusable by grinding and incorporating them with other ground organic materials (e.g., food, coffee grounds, shredded paper), yielding a mixture that is at minimum 51 percent non-cannabis waste by volume. The mixture will then be transferred to the composting site. Once a month, on a regular basis, the compost will be turned to encourage proper rates of decomposition.

MONITORING AND DOCUMENTING

Alvarez Farm is committed to monitoring and documenting the amount of cannabis vegetative waste that is generated by the facility on a monthly basis. These processes will include:

Weighing and logging the total amount of organics and cannabis waste generated. Weighing and documenting the total amount of retail-ready cannabis flower products against cannabis vegetative waste generated.

DATA REPORTING

Alvarez Farm will share with the County of Lake, Department of Public Services on a quarterly basis or as requested, all data pertaining to the cost of implementation and success/failure rates of the reduction plan, and any effort taken to mitigate the generation of organic waste.

COMPLIANCE

Alvarez Farm's Cannabis Vegetative Material Waste Management Plan has been developed in compliance with the appropriate local, county and state laws that pertain to the composting and recycling of organic and green waste

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produced by our cultivation process, including:

Cannabis, Non DAA qualified, AB 2490; State Reduction Goals, AB 341 (organics out of landfills goal); State Reduction Goals, California 70-percent reduction plan; Cannabis Cultivation Policy, California State Water Resources Board; California Code of Regulations, Title 3 Food and Agriculture, Division 8 Medical Cannabis

Cultivation, Section 8108 Cannabis Waste Management.

REVIEW

Director of cultivation, Freddie Alvarez, will review all procedures in the Cannabis Vegetative Waste Management Plan once a year and will take action to ensure full compliance with local, state and federal regulations that pertain

to the usage of organic soils, mediums, amendments, and inputs.

All employees are required to follow the procedures outlined in this plan. Any deviations from this plan must be

immediately brought to the attention of Freddie Alvarez, Director of Cultivation of Alvarez Farm.

10.5 ESTIMATED MEDIUM USAGE

Projected 2018 Growing Medium: 5 Yards Projected 2019 Growing Medium: 5 Yards Projected 2020 Growing

Medium: 5 Yards.

Type of Growing Medium: Compost-based organic potting soil. Our soils are mixed with compost at a 2:1 ratio respectively and mixed into the natural beds. We prefer to grow in planters as it reduces waste and the need to replenish soils annually. This technique drastically reduces our growing medium waste. Unless the soil is

compromised, the soil will never be removed from the property or disposed of.

WASTE REDUCTION (BMPs)

The following are best management practices used to reduce growing medium waste and disposal:

Plant cover crop to boost soil fertility and protect from storm events Implement Integrated Pest Management

practices to avoid the need for pest control, contamination and new grow medium No agrochemicals, Genetic

Modified Organisms (GMO), or synthetic additives will be used during the cultivation of cannabis.

CULTIVATION (BMPs)

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Alvarez Farm only uses approved inputs to amend soils, combat pests and grow healthy plants.



Our Added Amendments to Soil:

- Azomite Micronized (1.6% Calcium, 0.5% Magnesium, 0.1% Chlorine, 0.1% Sodium)
- Calcium Sulfate
- Composted Chicken Manure Fertilizer (3% Nitrogen, 2% Phosphorus, 2% Potassium)
- Crustacean Meal (4% Nitrogen, 12% Calcium)
- Dry Crumbles (6% Nitrogen, 6% Phosphorus, 5% Potassium)
- Fertilizer Pellets (4% Nitrogen, 3% Phosphorus, 2% Potassium, 7% Calcium)
- Fish Bone Meal (4% Nitrogen, 17% Phosphate)
- Glacial Rock Dust (0.846% Magnesium, .0012% Cobalt, 3.28% Iron, .0536% Manganese)
- Granulated Multi-Purpose Fertilizer (9% Nitrogen, 3% Phosphate, 7% Potassium)
- Premium Grade Horticultural Vermiculite
- Alfalfa Meal (2.5% Nitrogen, 2.5% Potassium)
- Kelp Meal (1% Nitrogen, 2% Potassium)
- Magnesium Sulfate Heptahydrate Epsom Salt (9.8% Magnesium, 12.9% Sulfite)
- Natural Organic Phosphate Fertilizer (7% Phosphate)
- Shell Flour (36% Calcium, 91% Calcium Carbonate, 92% Calcium Carbonate Equivalent)
- Sulfate of Potash Water Soluble (52% Potassium)
- Sulfate of Potash (50% Potassium)
- True Organic Fertilizer (7.5% Nitrogen, 5% Phosphate, 7.5% Potassium)
- True Organic Fertilizer (13% Nitrogen)

PESTS (BMPs)

We also reduce growing medium waste through pest control, applying an integrated ecosystem-based strategy that focuses on long-term prevention of pests through a combination of techniques such including:

Biological control habitat manipulation modification of cultural practice uses of resistant varieties.

MONITORING PERFORMANCE OF GMP AND WASTE GENERATION

In monitoring Growing Medium waste, Alvarez Farm will measure waste in tons. As referenced above, we reuse and recycle all growing medium that is brought onto our site. The only time we remove growing medium is if the soils are compromised. We will measure growing medium waste in tons when deposited at the Clearlake Landfill or Quakenbush facilities.

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SOIL REMOVAL GUIDELINES

In the case that soil is compromised and needs to be removed from the property, the following guidelines are

followed:

Excavated soil will be loaded directly onto trucks for off-hauling to the appropriate waste disposal facility. After the

soil is loaded into the transport truck, the soil will be covered with secured tarps according to all applicable CA.

Department of Transportation regulations to prevent soil from spilling during transport to the disposal facility.

If excavated impacted soil is stockpiled on-site prior to off-hauling, it will be placed on a paved surface and covered

with plastic tarp and held down by weights. Stockpiled soil, if any, will be covered with plastic sheeting, or other

similar material, at the end of each workday. A stockpile that is not being actively worked on for more than 60

minutes will be covered with plastic sheeting to prevent dust from leaving the site.

REPORTING TO LAKE COUNTY

All testing result will be recorded in logs managed by our Director of Cultivation, Freddie Alvarez. Data collected

during the cultivation of cannabis will be shared and reported to County of Lake, and the following agencies upon

request:

The CA. Department of Food and Agriculture; and the Department of Health.

REVIEW

Director of Cultivation, Freddie Alvarez, will review all procedures in the Growing Medium Management Plan once

a year and will take action to ensure full compliance with local, state and federal regulations that pertain to the usage

of organic soils, mediums, amendments, and inputs.



Section 11 Water Resources

Alvarez Farm is applying for one Commercial Cannabis Cultivation Major Use Permit for three A-Type 3's, one A-Type 1A, and one Type 13-Self Distributor in Lake County, California. Upon receiving this permit, Alvarez Farm will implement the following Water Resources Management Plan.

11.1 PURPOSE

Alvarez Farm's Water Resources Management Plan (WRMP) has been designed to minimize adverse impacts on surface and groundwater resources and to ensure that on site water resources and management is in full compliance with applicable local, county and state regulations.

The WRMP, in conjunction with the Water Use Plan, identifies best management practices and evaluates these strategies to reduce water demand, increase water supply, reduce potential sediment delivery to waterways, improve water quality, and enhance environmental and resource stewardship.

Alvarez Farm's Water Resources Management Plan includes measures to monitor and evaluate the performance of the plan, as well as ensure that all data and information is reported to County of Lake and the proper local agencies.

11.2 SCOPE

The Alvarez Farm's WRMP focuses on:

- Identifying property water resources and provide description of watershed on lot of record;
- Best management practices to limit adverse impacts to water resources;
- Monitoring and reporting methodology of water resources;

All employees are required to follow the procedures outlined in this plan. Any deviations from this plan must be immediately brought to the attention of Freddie Alvarez, Director of Cultivation.

11.3 OVERVIEW

Alvarez Farm is proposing to use one wells for cultivation. The primary well was completed April 23rd, 1922. The well will supply all the water for cultivation and purchasing water trucks will be used as backup or in any unforeseen emergency.

The main water source will be a groundwater well located on the subject parcel at 38.8680984393, -122.561131828. This well has an estimated yield of 20 GPM. The water will be pumped and stored in water tanks located near the cultivation site. From the well, water is delivered approximately 650 feet to a water tank collection system. Water is then pumped from the water tanks to the cultivation areas. When all proposed tanks are full a mechanical float switch shuts off system.



Water is delivered to irrigation system via a 1hp jet pump pressure tank system. Alvarez Farms shall use a drip irrigation system to water plants. Our projected monthly water usage is 135,000 gallons for cultivation. In addition to cultivation we shall use 100 gallons of water for livestock located on the parcel.

The well is sealed to the outside environment and is contained within a well house annotated on the site exhibit shown in Appendix D.

11.4 WATERSHED DESCRIPTION

Alvarez Farm is located in the Lower Sacramento River Watershed. The parcel is approximately 65 acres of forested land containing primarily black oak and blue oak, with a small conifer component consisting of several mature grey pines and ponderosa pines, with an understory of oaks and pines.

11.5 WATER CONSERVATION (BMPS)

Alvarez Farm will draw our best management practices from Central Valley Regional Water Quality Control Board BMP for Cannabis Cultivation. All employees and managers will practice the following:

- Do not obstruct, alter, dam or divert all or a portion of a natural watercourse without notification and approval from CDFW under the Lake and Streambed Alteration Program;
- Regularly inspect the entire water delivery system for leaks and repair leaky faucets and connectors;
- Line water conveyance ditches/canals to reduce waste and the unreasonable use **Of** water;
- Use rainwater catchment systems to collect and store storm water during the rainy season in tanks,
 bladders, or engineered ponds to reduce the need for water diversions and/or pumping of groundwater during low flow periods (late summer to fall);
- Install float valves on all water storage systems to keep them from overflowing onto the ground;
- Hand water or use drip/trickle Irrigation systems, and limit watering;
- Use mulch to conserve soil moisture in cultivated areas, pots and bins;
- Water pump intakes should be screened to prevent the entrainment of threatened or endangered aquatic species consult Fish and Game Code sections 6020-6028;
- Base layout and site development on a qualified expert's recommendations with respect to any listed species protected under California or federal law avoid any action that constitutes a "taking" under the Federal Endangered Species Act or California Endangered Species Act, unless accompanied by an Incidental Take Statement or Incidental Take Permit issued by the appropriate agency.

11.6 EROSION, SEDIMENT, ROADS, AND STORMWATER (BMPS)

We draw our best management practices for erosion, sediment, roads and storm water from Central Valley Regional Water Quality Control Board BMP for Cannabis Cultivation. All employees and managers will practice the following:



- A licensed timber operator (LTO) must be utilized if any commercial tree species are to be removed from the site;
- Grow site development and road construction will be conducted in a manner that minimizes grading and soil disturbance;
- Avoid cultivating on steep slopes (greater than 30% grade) and disturbing any areas with landslides, gullies, and slips;
- Avoid construction and soil disturbance in the winter and/or during periods of wet weather;
- Seed, mulch, and/or rock areas that have been disturbed by grading, excavation, and/or road construction activities;
- Erosion control mats/blankets and wattles should be used to protect disturbed areas on steep slopes. Native
 grass seed will be applied to disturbed areas before installation of mats/blankets and wattles. Wattles will
 be installed on contour to prevent concentrating runoff and mats/blankets will be installed per
 manufacturer's guidelines if necessary;
- Storm water drainage structures will not discharge onto unstable slopes, earthen fills, or directly to a
 watercourse. Drainage structures will discharge onto stable areas with straw bales, slash, vegetation, and/or
 rock riprap;
- All drainage and storm water infiltrations features will be assessed for their ability to withstand a 2-year storm event;
- Regularly check and maintain erosion control/drainage structures and keep culverts clear of debris;
- Haul away excess soil and other debris and locate any stockpiled materials in areas where they can be
 protected from erosion and will not discharge to a watercourse or lake;
- Compact and contour stored soil/spoils to mimic natural slope contours and drainage patterns to reduce the
 potential for fill saturation and failure, or erosion;
- Rip compacted soils prior to placing stored soil/spoils to prevent the potential for ponding which could lead
 to stored soil/spoil site failure and subsequent sedimentation;
- All necessary drainage/erosion control structures will be in place and functioning, and all areas of exposed
 soil as a result of grading will be stabilized as soon as possible after grading is complete and before any
 precipitation event that could cause erosion and/or deliver storm water runoff to a water body;
- Riparian zones will be avoided and vegetation should be maintained to protect watercourses from growing operations;
- Do not service, fuel, or store equipment within 100 feet of surface water bodies;
- Store petroleum products in a covered building with secondary containment at least 200 feet away from surface water bodies;
- New roads will be planned and designed to stay as far away from watercourses as possible and to minimize the number of watercourse crossings;



- Decommission or relocate existing roads away from riparian zones whenever possible;
- Blade existing roads in dry weather, but while moisture is still present in soil to minimize dust and
 maximize compaction to prevent fine sediments from discharging from the road surface;
- Do not side cast bladed material to areas where it can enter a water body directly or be delivered to a water body during a storm event;
- Out-slope roads wherever possible to prevent the concentration of storm water flow within an
 inboard/inside ditch, to promote even drainage of the road surface, and to minimize disruption of the
 natural sheet flow pattern off a hill slope to a stream;
- If unable to eliminate inboard/inside ditches, line them with geotextile fabric and/or rock and ensure
 adequate ditch relief culverts to prevent down-cutting of the ditch and to reduce water runoff concentration
 and velocity;
- Neither in-sloped nor out-sloped roads will be allowed to develop or show evidence of surface rutting or
 gullying. Use water bars and rolling dips to break- up slope length, diverting water to well-vegetated or
 armored areas. The distance between water bars and/or rolling dips should not exceed 150 feet, and that
 distance should be shortened for roads with steep grades (greater than 15%) or with an easily erodible
 surface;
- Use gravel to "weatherproof" roads used during the winter or wet weather periods;
- All road watercourse crossing structures will allow for the unrestricted passage of water and should be
 designed to accommodate the 100-year flood flow consult CAL FIRE 100-year Watercourse Crossings
 document for examples and calculations (minimum of 18" diameter for all culverts);
- Road watercourse crossing structures on watercourses that support fish will be constructed for the unrestricted passage of fish at all life stages, and require permitting from CDFW;
- Culverts used at watercourse crossings will be of sufficient length to extend beyond fill/sidecast material,
 and will be installed at the same level and gradient of the stream bed in which they are being placed;
- Culverts used at watercourse crossings will be designed to direct flow and debris toward the inlet using wing-walls, beveling of the pipe, rock armoring, etc.;
- Low-water or ford style watercourse crossings will be armored along the bed and banks with clean durable
 rock of a sufficient size as not to move downstream during high flow periods, yet without creating a
 damming effect on the flow rock will be placed on either side to the break in slope to prevent water from
 diverting around the material;
- Stream crossing structures should be designed, constructed, and maintained to prevent stream diversion in the event that the crossing becomes plugged.

11.7 WETLAND/RIPARIAN PROTECTION AND MANAGEMENT

• Alvarez Farm shall not disturb aquatic or riparian habitat, such as vernal pools, spawning sites, large wood,



or shading vegetation unless authorized under a CWA section 404 permit, CWA section 401 certification, Regional Water Board WDRs (when applicable), or a CDFW LSA Agreement.

Alvarez Farm will maintain existing, naturally occurring, riparian vegetative cover (e.g., trees, shrubs, and
grasses) in aquatic habitat areas to the maximum extent possible to maintain riparian areas for stream bank
stabilization, erosion control, stream shading and temperature control, sediment and chemical filtration,
aquatic life support, wildlife support, and to minimize waste discharge.

11.8 WASTEWATER AND SEWAGE MANAGEMENT

The subject property will utilize an existing conventional septic system that has been approved by Lake County Environmental Health and meets current state standards. Alvarez Farm ensures:

- All human or animal waste is disposed of properly
- Onsite wastewater treatment systems (e.g., septic system) are permitted by the local agency;
- We will not use a cesspool for domestic or industrial wastewater disposal;
- We will not install or continue use of an outhouse, pit-privy, pit-toilet, or similar device without approval from the County of Lake;
- Alvarez Farm will not dispose of domestic wastewater unless it meets applicable local agency requirements.

11.9 MONITORING PERFORMANCE AND MANAGEMENT

Alvarez Farm will conduct biannual monitoring inspections of the cultivation site, all associated facilities, all roadways associated with cannabis cultivation, and any water bodies potentially impacted by cultivation related activities. The first monitoring will occur annually by November 1st of each calendar, and will ensure the following criteria are met:

- All stockpiles, soil amendments, pesticides, and fertilizers have been properly stored and/or protected;
- Erosion and sediment controls have been properly installed and are functioning, and all areas of exposed soil have been stabilized in preparation for the winter wet weather period;
- Drainage structures (water bars/rolling dips) have been installed and are functioning on all access roads,
 and all access roads intended for use during the winter wet weather period have been weatherproofed;
- All trash/refuse has been cleaned up where it cannot pass into or be transported into any water body and empty/used containers have been properly disposed of per manufacturer's instructions;
- All water containment/storage ponds/dams have been inspected and appear to be in good, and stable condition;

The second monitoring inspection will occur annually after April 1st and before June 15th of each calendar year, and will ensure the following criteria are met:



- All stockpiles, soil amendments, pesticides, and fertilizers have remained properly stored and/or contained;
- Erosion/sediment controls implemented on bare soils have remained effective in preventing discharge of
 earthen materials and sediments off site;
- All access roads appear in good condition and erosion/sediment control has been effective in preventing discharge of earthen materials and sediment off- site;
- All permitted water containment structure/ponds/dams have remained effective and in good condition;

11.10 WRMP EVALUATION AND PERFORMANCE REPORTS

Based on the findings of the biannual monitoring inspections, Alvarez Farm will assess the efficacy of the WRMP. If monitoring shows that measures implemented have proven effective, we will report the findings continue to inspect the site biannually. If the measures implemented on site have proven ineffective, we will submit a remediation plan to the CVRWQCB as well as a timeline for work to be accomplished. The remediation plan will include proof that any permits required to complete the intended work will be obtained in a timely fashion to the appropriate regulatory agency. All data collected by site inspection will be shared with all concerned Lake County agencies.

11.11 REVIEW

Alvarez Farm will review the Water Resources Management Plan on an annual basis, in conjunction with the review of the Water Uses Management Plan.

11.12 COMPLIANCE

Alvarez Farm applied to the Regional State Water Board in 2018. Alvarez Farm was granted a notice of applicability on June 4th, 2018. The WDID number is 5S17CC402153.

A copy of the Central Valley Regional Water Quality Control Board BMP for Cannabis Cultivation will be kept on site at all times.

As of the date of this application, we hold the following permits:

No permits at this time.



Section 12 Water Use

Alvarez Farm is applying for one Commercial Cannabis Cultivation Major Use Permit for three A-Type 3's, one A-Type 1A, and one Type 13-Self Distributor in Lake County, California. Accordingly, Alvarez Farm proposes to implement the following Water Use Management Plan.

12.1 PURPOSE

The Water Use Management Plan (WUMP) has been designed to conserve the County's water resources and establish best management practices to ensure the plan is followed at all times, as well as is in full compliance with applicable local, county; and state regulations.

Alvarez Farm's Water Use Management Plan includes measures to monitor and evaluate the performance of the plan, as well as ensure that all data and information is reported to the County of Lake and appropriate local agencies.

12.2 SCOPE

The Alvarez Farm Water Use Management Plan focuses on the following:

- Developing and maintaining a safe, clean, and reliable water supply;
- Meeting all legal requirements for the use of water resource located on the property and providing documentation of legal compliance;
- Monitoring the quantity of water used for the cultivation of cannabis;
- Designing a water efficient delivery system and irrigation system for cannabis cultivation. All
 employees are required to follow the procedures outlined in this plan;

12.3 OVERVIEW

Alvarez Farm's well work was started on April 23rd, 1922. The well was completed on April 23rd, 1922. The well is drilled 125 feet deep and has detectable ground water 35 feet below the surface. The well has a documented discharge rate of 20 gallons per min. This well is located at the bottom valley of two mountain sides. This is an ideal location for recharge of the ground water.

The well is sealed to the outside environment and is contained within a well house. Alvarez Farm's well is located towards the entrance of the parcel. The storage tanks are located approximately 650 feet above the cultivation site. The well has 8, 5,000-gallon storage tanks on a hill above the westerly cultivation site located on the subject parcel.

From the well, water is then pumped to 8 separate tanks, stored directly above the cultivation. When all 8 tanks are full, a mechanical float switch shuts off system.

Water is delivered to an irrigation system via a 1hp jet pump pressure tank system. Alvarez Farms shall use a drip irrigation system to water plants. Our projected monthly water usage is 180,000 gallons for cultivation. In addition



to cultivation we shall use 150 gallons for bathrooms and handwashing and an addition 100 gallons for water for the animals.

Applicant will not engage in any unlawful drawing of surface water. Applicant will not use water provided by a public water supply, unlawful water diversions, bottled water, a water vending machine or a retail water facility. The subject property is outside any County Water District "Exclusion Areas." The project will use water transportation trucks if needed or in an extreme emergency.

12.4 WATER STORAGE (BMPS)

Alvarez Farm will install vertical storage tanks according to manufacturer's specifications and place the tanks on properly compacted soil that is free of rocks and sharp objects and capable of bearing the weight of the tank and its maximum contents with minimal settlement. Water will be stored polyethylene water tanks with a total of 40,000 gallons of water stored close to the cultivation site.

New storage tanks will be located in areas with great slope stability and at the cultivation site. To prevent rupture or overflow and runoff, Alvarez Farm will only use water storage tanks and bladders equipped with a float valve, or equivalent device, to shut off diversion when storage systems are full. All vents and other openings on water storage tanks will be designed to prevent the entry and/or entrapment of wildlife. We will also monitor the meter on a regular basis to ensure excess water is not being used.

12.5 IRRIGATION SYSTEM

Daily watering of cannabis will be achieved via a drip irrigation system powered by a 1HP jet pump and pressure tank system. The watering will be administered by a timed irrigation controller, set to irrigate during the nighttime when the evaporation rates will be the lowest. Drip lines will be sized to irrigate large areas slowly, to maximize absorption, and will be placed under a layer of straw mulch. Hose bibs will be stationed throughout the cultivation area for spot watering.

IRRIGATION & SPRINKLERS (BMPs)

The following are irrigation best management practices implemented by Alvarez Farm:

- The site will utilize a drip irrigation system with a schedule that requires use of as little water as possible;
- Regularly inspect our entire water delivery system for leaks and immediately repair any leaky faucets, pipes, connectors, or other leaks;
- Replace worn, outdated, or inefficient irrigation system components and equipment to ensure a
 properly functioning, leak-free irrigation system at all times;
- Install according to the irrigation design specifications, locally applied codes and standards, and



manufacturers' product requirements;

- Actively manage the system and adherence to all applicable watering limitations;
- Ensure sprinkler heads and nozzles will apply water uniformly to the target area;
- Match the precipitation/application rate of the sprinklers for each zone (+/-5 percent);
- Designed to reduce overspray of impervious surfaces or adjacent planting areas, and prevent runoff of water
- Avoid low head drainage;
- Drip irrigation will be utilized instead of spray sprinklers in narrow or complex shaped areas;

12.6 MONITORING PERFORMANCE OF WATER

Alvarez Farm will maintain records of diversion with separate records that document the amount of water used for cannabis cultivation separated out from the amount of water used for other irrigation purposes and other beneficial uses of water (e.g., domestic, fire protection, etc.). These records will be available upon request from the Water Boards or any other authorized representatives of the state.

Alvarez Farm will share data relating to the cost of implementing the water management plan with the County as requested.

12.7 EVALUATING PERFORMANCE OF THE WATER USE MANAGEMENT PLAN

Annually, Alvarez Farm will review the Water Use Management Plan and recorded logs in conjunction with the reviews of all management plans. Upon review, Alvarez Farm will address any outstanding issues immediately. Additionally, a professional evaluation of the water plan will occur annually with the goal of improving water management practices.

12.8 CALIFORNIA DROUGHT DECLARATIONS

Alvarez Farm recognizes that on occasion, the Governor of California and the Lake County Board of Supervisors has and likely will continue to periodically issue a proclamation of a local or state emergency based on drought conditions on any given year. In the event of such a Declaration, Alvarez Farm will abide by all emergency regulations adopted in response to drought conditions.

12.9 EMERGENCY USE PLAN

In the case of an emergency that a retail water is needed, Alvarez Farm will work with a licensed retail water supplier as defined by Section 13575 of the Water Code and provide the following information to the Department in 7 days:

- A description of the emergency;
- Identification of the retail water supplier including license number;
- Volume of water supplied;



Actions taken to prevent the emergency in the future

12.10 WATER AVAILABILITY ANALYSIS

The Water Use Plan has been developed in compliance with the appropriate local, county, and state laws that pertain to the Water Use. These include:

- Cannabis Cultivation Policy & California State Water Resources Board;
- California Code of Regulations, Title 3 Food and Agriculture, Division 8 Medical Cannabis Cultivation,
 Section 8107;
- County of Lake Ordinance 3703;
- Division of Water Rights, Principles and Guidelines for Cannabis Cultivation.

Water Usage Calculation

Video Obage Calculation			
Description	Use	Amount of water needed	
Well Production	20 GPM		
Existing Usage (Agriculture / Live stock)	50 Pigs & 0.5 acres of	831,750 Gallons per Season	
	Alfalfa	(5months)	
Proposed Usage (Cannabis Cultivation)	3 acres of outdoor &	900,000 Gallons per Season	
	500 sqft of indoor	(5 Months)	
	Difference	68,250 Gallons Per Season	
		(5 Months)	

12.11 REVIEW

Director of Cultivation, Freddie Alvarez will review the Water Use Plan on an annual basis and will share data relating to the cost of implementing this plan with the County as requested. The well will be monitored during recharge or storage tanks and Alverez farms will meter and measure the amount of water pumped over cultivation season.



Appendix A: Fertilizer Information



Manufactured by: AZOMITE Mineral Products, Inc. 1078 West 5300 South Nephi, UT 84648

ZOMITE

MICRONIZED

Natural Trace Minerals For Soll / Organitoscales naturales

Guaranteed Analysis (Activities along data Protection (K, Q) (Postantis anticider (K₁Q)) and (CQ) (Catrics (Cat anticider (Mg)) (Postantis anticider (Mg)) (2,31% blaces Societies Magnesiums (Mg)) (Mg) (Mg) 0.5%/0.5% 0.5%/0.5%

8.1%/0.1%

adjunction regarding the commits and assets of metals in this product is available on the intervel at attractive in analysis and metals, here!

Feed Ingredient

ed Sodium Calcium Alum Anticeking agent,

exceed 2% of the feed mixture in series with good feed mixing and manufacturing practices.



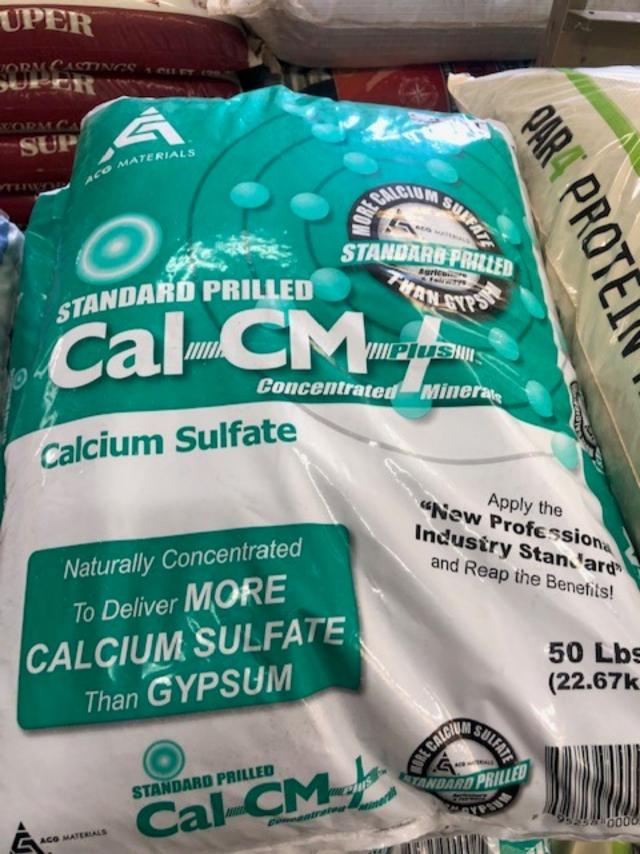
ORGANIC PRODUCTION

and complies with U.S. National Organic Program stendards for organic use.



sourcests: Product contains dust and the inhaling of any dust may be hexactions to your health.
Revised June 2016.

NET WEIGHT 44 lbs (20 kg)





WEEL FREE CHICKEN MANURE FERTILIZER

DIRECTIONS FOR USE

GUARANTEED ANALYSIS

2% Witer Insoluble Mitrogen 1% Water Soluble Nitrogen vultable Phosphale (P.O.)

internation regarding the contents and levels of metals in this pro is available on the internet at http://www.sopico.org/metals.htm

ADVANTAGES OF SUP'R GREEN

- Adds organic meter to sol.
- Loosens and serates soil.
- Excellent for retaining moisture
- Supplies needed nutrients to plants.
- Promotes listh color and rapid growth of sex and
- Dry, composted, easy to handle.

A GROUND 100% NATURAL ORGANIC COMPOSTED CHICKEN MANURE FERTILIZER FOR SUPERIOR MULCHING, FEEDING AND WATER RETENTION

Net Wt. 25 lbs. - (11.34 kg.)

essed by: D. STYNAN FARMS, P.O. BOX 307, CANBY, OR 970



PARTAREGOES



CRUSTACEAN MEAL

Non-Pelletized

GUARANTEED ANALYSIS

perived from: Crab shells, Strimp Shells, Crab Mest

KEEP OUT OF REACH OF CHILDREN - MARKING IT SHALLOWED - BO NOT INNALE

NET WEIGHT: 40 ths. (18.14 kg)

7/31/18

industration regarding the contacts and levels of motats in this product is evaluate on the

DIRECTIONS FOR USE

Crustecean Meal should be used as part of a comprehensive total matriction system for optimizing plant growth, development, yield and quiling.

Consolt a Marion Ag representative for specific recommendations.

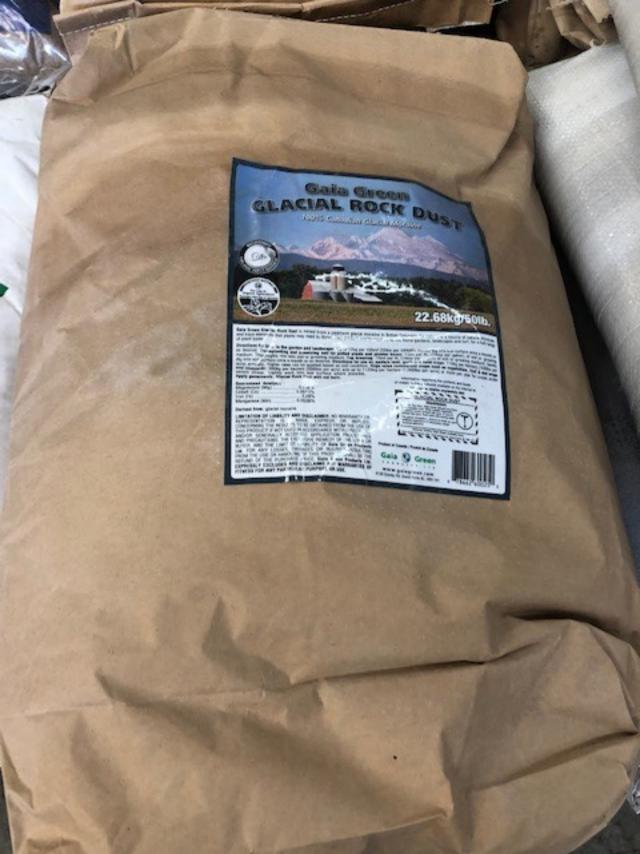
Distributed by: Martin Ag. Service, Inc. 18745 Suttentle Rd. Assrute, Ovegon \$7092

RQ-PELL-IT!











S PA

Granulated Multi-Purpose

Guaranteed Analysis:

Total Niersgen (N) 0.9% Water Soluble Nierogen	100	1	-1%
6.1% Water Insoluble Narogen! Available Phosphate (P2O5)		5	
Soluble Perath (K2U)			
og 150 Slowly available nigrogen from feather measured meet not been	6.		
1% Water Schuble Natrogen will release Natrogen over 1	Ŋ		

Suggested Foplication Rates:

Spring application	
	5
System of the per 1,000 sq. ft	ı,
Late summer application	п
Late summer applications	
Vegetable gardens and flower beds	Ц

Washington State Commercial Fertilizer Regulations regarding phosphates can be found at http://sgr.wa.gov/pestfert/fert/lizers/phosturifert.aspx

for best route follow soil test guidelines. Improved reuces in had it use the seration

The contents and leads of mat the orthic product is assisted

his sports turt golf course, and laws cere recommendations visit http://edis For spraces samps went http://placescience.pou.edu/resourch/centers/saffecteesconds To talend a coplication rates for organic growing visit http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.http://www.infurna.organic.growing.visit.html

SGN# 230-240



Certified Asbestos Free PREMIUM GRADE HORTICULTURAL VERMICULITE



788 Market Ave. Richmond, CA 94801 U.S.A.

TEL: (510) 234-7010 FAX: (510) 234-0129

T CONTENTS 4 Cu. Ft. (113 Lt.) (When Filled)





MAGNESIUM SULFATE HEPTAHYDRATE

EPSOMSALT

ESSENTIAL PLANT NUTRIENTS

Magnesium and Sulfur are essential plant nutrients that are required by all growing plants. They aid in the production of chlorophyli, and are involved in many metabolic functions that impact the health and growth of all living plants.







This feed was produced in a facility certified in the American Feed Industry Association's Safe Feed Safe Ecol Cortification Programs for details go bowww.safe/cortesfefoed.org giles

PREMIER

50 POUNDS (22.7 kg NET)

GUARANTEED ANALYSIS

Mg

9.8%

12.9%

Giles Chemical, a Division of Premier Magnesia. LC at 102 Commerce Street, Waynesville, NC holds a valid certification under the American Fund Industry Association's Safe Feed/Safe Food Certification.





Alfalfa Meal 2.5-0-2.5

bural Plant Food

Nath Phos

Net Weight 40 lbs/18.1 kg



SHELL FLOUR

Guaranteed Analysis

Calcium (Ca)	91%
Calcium (Ca)	9296
Calcium Carbonate Equivalent Derived From	Finely dround Oyster Stien

Net Weight 50 lbs.(22.68 Kg)

Produced by Lind Marine, Inc. 100 East D Street Petaluma, CA

Notice: In as much as conditions and methods of use at applications are beyond the seller's control, seller's liability from the storage, handling or application of this product is limited to control, seller's liability from the storage, handling or application of this product is limited to replacement of product or refund of purchase price.





0-0-50 Sulfate of Potash 50 LB Net Wt (22.7 kg)

GUARANTEED ANALYSIS

F002373 CAS# 7778-80-5

Standard Fines for Organic Production
Sulfate of Potash

For Solutions . For Suspensions . OMRI Listed





WHEN IT COMES TO ORGANIC

7.5 - 5 - 7.5

ORGANIC

USAGE This product should be used as part of a complete nutrient management program. USAGE: This product should be used as part of a complete incomplete in a germent program.

Separation regarding the contents and levels of metals in this product is avoid the commendation in the internet of is ABE may agree on the Organic Products remany specious to a product is avoid to the online second to the online on the internet on the inter

whee Organic Products, Inc. fertilizers are formulated to meet the requirements of the to ur toe Organic Products, Inc. termizers are formation approval from their certifier prior to ational Organic producers should obtain approval from their certifier prior to ational Organic



Manufactured by: True Organic Products, Inc. 20225 W. Kamm Avenue, Helm. CA 93627 (559) 866-3001

WWW.TRUE.AG

NET WEIGHT 40 LBS. (+/- 0.2 LBS.)

WWW.THUL



ORGANIC PRODUCTS, INC

"WHEN IT COMES TO ORGANIC

13 - 0 - 0

Annaham and Angle Print.

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USAGE: This product should be used as part of a complete nutrient management progusage to a pronomist or True Organic Products Fertility Specialist for specific agronomic recouser agronomist or True Organic Products Fertility Specialist for specific agronomic recouser agronomist or True Organic Products Fertility Specialist for specific agronomic recouser agronomist or True Organic Products Fertility Specialist for specific agronomic recouser agronomist or True Organic Products Fertility Specialist for specific agronomic recouser agronomist or True Organic Products Fertility Specialist for specific agronomic recouser agronomist or True Organic Products Fertility Specialist for specific agronomic recouser agronomist or True Organic Products Fertility Specialist for specific agronomic recointerpretation regarding the contents and levels of metals in this product is available on the Interpretation of the Interpretatio

All true Organic Products, inc. fertilizers are formulated to meet the requirements of the USDA Valice books.

Program Certified organic producers should obtain approval from their certifier prior to use than two

OMRI

Manufactured by True Organic F reducts, Inc. 20225 W. Kassan Acesue, Helm, CA 93627 (559) 866-3001

WWW.TRUE.Ad



Appendix B: Lighting Information



growersc.com





HOME

PRODUCTS

ABOUT

RESOURCES

CONTACT



Mon 11:32:58 GROWER'S CHOICE MAR 12, 2018 ON OFF Group A Group B 900W ---W 36% OFF ON 22:59 ON 22:59 OFF 07:01 63°F OFF 07:01 Ta: 95°F Auto-dim Disable Auto-dim Ta:104°F Disable Shut-down Shut-down

GROWER'S CHOICE

Horticultural Lighting Accessory

Master Controller

Grower's Choice digital lighting controller enables the grower to control up to 200 fixtures. It is compatible with all GC-315 CMH, GC- 630NS CMH and GC-1000 DE fixtures. This dual-channel controller allows daisy chaining up to 100 fixtures per zone. En- abling complete control of your growing environment with timed on/off switching, sunrise/sunset, and precise temperature readings with dual thermal probes and thermal-threshold auto dim-shutdown for additional protection.

MSRP \$399

Download Specification Sheet

Output range	10%~115%				
Numbers of ballasts per output	100 Max				
Max cable length per group	100M				
Control voltage outputs	2 group, A/B				
Temperature sensor	2 group, A/B				
Over heat protection	Yes				
Sunrise/sunset period	Yes				
Setup ballast type	1000W/945W/750W/630W/600W/500W/315W				
Alarm port	2 group, NO/NC				
ECM port	2 group, A/B;				
Input voltage	5VDC // 2000mA				
Weight	0.5KG				
Warranty	3 Years				



A. Master controller B. Power adaptor(DC5V/2000mA) C. 5M Temperature sensor cord*2















growersc.com



Grower's Choice Horticultural Lighting has introduced their first digital 315 watt ceramic metal halide fixture. It utilizes advanced low frequency square wave technology and high efficiency 315 watt ceramic metal halide grow lamp. The GC-315 delivers the highest efficiency and closest spectrum to actual sunlight in the commercial horticultural industry.











315W 3K-R

315W 4K

315W 10K

Technical Specifications

Rated Main Voltage: 120V 240V 2.9A 1.5A Input Current: Input Frequency: 50/60 Hz Power Factor: >0.98 THD: <10%

Required Lamp Voltage: 110V +/- 20V

Ignition Voltage: 3KV-5KV

State	Off-DB	On-DB	Off-Rem	On-Rem	Open	Short	HTP	LVP	HVP
Green	Off	Off	Flash	On	On	Off	On	Flash	Flash
Red	Flash	On	Off	Off	Flash	Strobo	On	Flash	On



Off-DB =Ballast is switched off by dim button. On-DB =Ballast is switched on by dim button. Off-Rem =Ballast is switched off by remote.

On-Rem =Ballast is switched on by remote. =Ballast is off because of an open contact or defect bulb Open

Short =Ballast is off because of short-circuit or defect bulb HTP =Ballast is off because of High Temperature Protection (Ballast is too hot) LVP

=Ballast is off because of Low Voltage Protection

HVP =Ballast is off because of High Voltage Protection

 When both LED's are off, check fuse and power supply. · Strobo is a very fast flash

Dimmable Option

The GC-315 and GC-1000 Digital Ballasts allow lamps of various wattages to be operated in the same unit simply by adjusting the dial on the ballast. Each lamp will be operated to the exact specification that the lamp requires.

Smart Step Technology

By turning the dial on the GC Series Digital Ballast you can reduce the output of a lamp when not so much power is needed. Just turn the dial again to step back to full power.

Super Lumen

The Super Lumen feature on GC-315 and GC-1000 will increase the output of the ballasts highest wattage lamp to achieve maximum lamp performance. Increase is approximately 10% depending on model.

Smart Start™ Ignition Control

This revolutionary feature, unique to our products, makes GC Series

Digital Ballast the safest and most reliable ballast when used in automated multiple lamp applications. When multiple units are connected to the same mains circuit, our integrated Ignition Con trol software will completely balance the electrical draw by igniti ng one lamp at a time to prevent electrical surges and spikes tha t can overload the mains circuit and trip circuit breaking systems . For further efficiency, this feature is activated alongside our 'So ft Start Technology'.

Soft Start Technology

Soft Start Technology prolongs lamp life by stopping current rush to the lamp and preventing lamp overload. When the ballast is started from cold there will be a 3 second fixed delay before ignition. After ignition there will be a series of random 0-2 second delays before full brightness is reached after approximately 3-5 minutes. SoftStart Technology is also activated when increasing and decreasing power to the lamp using the 'Smart-Step' feature.

Advanced Low Frequency Square Wave Technology

MSRP \$ 299













RF Shielding







Efficiency

High Energy



Adjustment







Re-Strike of Hot Lamp after Mains Failure:

The GC Series Digital Ballast uses a timed re-strike system that prevents the ballast from re-striking a hot lamp after a power failure. If a hot lamp is detected, the re-strike will be delayed for 60 second intervals until the lamp has cooled sufficiently to be re-ignited. Re-ignition is then controlled by 'SmartStart Ignition Control' and 'Soft Start Technology' software.

Lamp Compatibility

The GC Series Digital Ballast is suitable for use with all good quality HPS, Metal Halide and Ceramic Metal Halide lamps. For a guaranteed perfect match and the best results we recommend Grower's Choice horticultural lamps. Grower's Choice lamps are optimized for use with high efficiency electronic ballasts with adjustable output.

Automatic Frequency Adjustment:

The GC Series Digital Ballast automatically adjusts its output frequency to maintain a constant output regardless of input power fluctuations and ageing lamps. This also prevents 'lamp flicker'.

Full Circuit Protection

The GC Series Digital Ballast uses a sophisticated software controlled circuit breaking system that is not seen in other manufacturer's ballasts. The system protects against a series of faults including: Open Circuit Protection, Short Circuit Protection, Over Voltage Protection, Under Voltage Protection and Over Temperature Protection. On Ignition the ballast performs a 3 second test of the circuit and in the event of a fault the ballast will go into protection mode to avoid damage to the ballast and lamp.

Running Temperature

The GC Series Digital Ballasts' unique case design acts as a superior heat sink making the ballast extremely cool running without the need for internal fans.

RF Shielding

The GC Series Digital Ballast has superior RF Shielding with Total Harmonic Distortion (THD) of less than 10% meaning it will not interfere with television or radio equipment.

Silent Operation

The GC Series Digital Ballast has no noisy internal fans and is completely silent in operation.

High Energy Efficiency:

The GC Series Digital Ballast is up to 30% more efficient than standard magnetic ballast producing more lumens of light per watt of consumed energy. Efficiency does not diminish and is maintained for the entire life of the unit.





Appendix C: Security Camera Information

CHANNELS

CAMERAS



4K





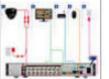
⊕ Click to Zoom













Lorex 16CH 4K DVR 4TB 10 UHD 4K Bullet Camera Security System

**** 4.0 (54)

Item 1220974 | Model LHV516410B

Your Price

\$1,299.99

Shipping & Handling Included*

Features:

- 10 UHD 4K Bullet Cameras with Color Night Vision™
- 16-channel 4K DVR
- RG-59 Cabling
- · Remote Viewing Available Via Free App

Qty Add to Cart

Arrives approximately 3 - 5 business days from time of order.

Compare Product







Add to Registry

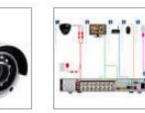
Add to List

(Ollon to Zoom











Product Details

Product details have been supplied by the Manufacturer, and are hosted by a third party.

System Overview

Introducing the evolution of High Definition analog security with the advanced Lorex Ultra HD 4K (8MP) solution. Experience professional grade quality, outstanding video and reliable recording. This expandable 16 channel 4K (8MP) Ultra HD DVR comes with 10 weatherproof 4K (8MP) Ultra HD bullet security cameras featuring 4× the detail of 1080p. See more with Color Night Vision™ for low light conditions and up to 135ft (41m) with long-range IR night vision so important events are captured in exceptionally high definition day or night.

View live in clear high definition and watch recorded video later with the pre-installed 4TB security-grade 100% duty cycle hard drive, allowing you to digitally zoom in on fine details. Secure more video data with up to 30 days of continuous recording, and up to 2 months of motion recording. Connecting to your system with your smartphone or tablet has never been easier than with the Lorex Cloud app – connect in 3 simple steps so you never miss a moment from anywhere life takes you.

For more information, call Lorex toll-free at 1-888-425-6739 (Pre-Sales & Sales Support from 8:30am - 7:00pm EST Monday - Friday, and Customer Service from 9:00am - 5:00pm EST. Support available in English & Spanish)

System Specifications

Channels: 16

Included Cameras: 10× 4K (8MP) Ultra HD Security Cameras

• Hard Drive: 4TB security-grade 100% duty cycle hard drive

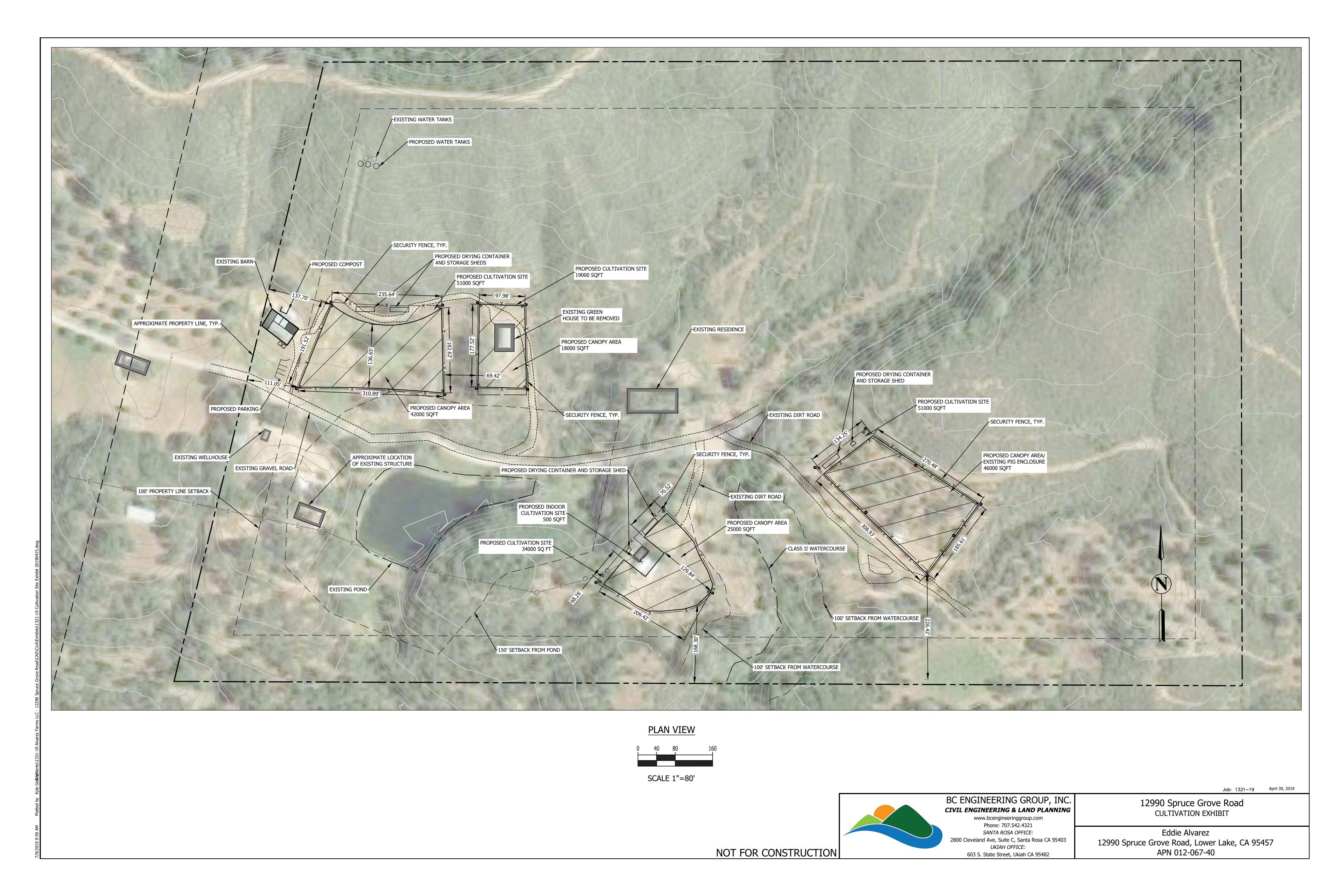
Resolution: 4K (8MP - 3840×2160) Ultra High Definition (HD)

✓ Free Technical Support

Learn About Costco Concierge Services



Appendix D: Additional Documents



ORIGINAL

file with DWR

NIMPORTURO TO STATE

THE RESOURCES AGENCY.

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

12 N/6W - 19 not fill in

Nov.20701 Water Code Sec 1976

Notice of Intent No WATER WELL DI	RILLERS REPORT Stree Well No. 1 Code Sec. 13752
Lucal Permit No. or Date	Other Well No.
(2) LOCATION OF WELL (See instructions): Couply	(12) WELL LOG: Total depth/00 ft. Depth of completed wellR. from \$L\$ to ft. Formation, (Describe by color, character, size or material) 0 - 2 REG CAM 2 - 10 GOAN 10 - 100 BLUE SAND Stave
We'll address if different from phone. Township 12 MONTH Range to WEST Section 189	
Distance from cities, made, millengte, teness, etc. 2 MILES South of	
LOWER LAKE +2 MILES EAST OF HOW 29	- 1111
ON SPICE GANG Rd.	- ~ ///>
	- \\\ - \\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Hulf M (3) TYPE OF WORK: New Well Desponing Reconstruction	
. Recording D	
	(1) - (1) (2)
Destruction () (Describe destruction materials and procedures in Hern 12) LOWER HARE 2 Miles Findustrial Findustrial Stock	10- 00- 00- 00- 00- 00- 00- 00- 00- 00-
(4) PROPOSED VSE	
LOWER HARE	
Entigation	
Ratifact Well	
Stoke	- (<u>)</u>
Numary Co	
WELL LOCATION SMETCH ORDER OF (5) EQUIPMENT) (6) GRAND PACK:	
Cable Air Air	- (//-)
Other O Bricket Particulation 30 100 A	16/1-10
(7) CASING INSTALLED (8) PERFORMINES:	
Street () Plantic De Charlet Type of perfortion allies of server	9 - -
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- ft. ft. Wall Mall	
0 100 8 125 40 106 14	
	-
·	
(9) WELL SEAL:	
Was surface sanitary seal provided? Yes No □ 3f yes, to depth of ft.	
Were straw scaled against pullation? Yes (1) No (2 Interval) fit. Method of realist CFORM	West many 45-43 to 22 Secretary 45-23 to 22
(10) WATER LEVELS:	Work started 19 Comptated 19 WELL DRILLER'S STATEMENT:
Depth of first water, if known	This well tree deflect under my jurnolicitien end this report is true to the heat of my knowledge conflicted.
Standing level after well completion QQ	1
(11) WELL TESTS:	Signer (Wall Drillet)
Was well seet mode? Yes Wo [] If you do wham? At till @	NAME DELANT SOUS
Dopph to water at start of testft. At end of lestft	(Ferson, fire, or corporation) (Typed or printed)
Discharge R.O. gal/min elter hours Water temperature	Address 11/50x Parist Cat " 95255
Chemiseal analysis made? Yes No 18 18 yes; by whom?	30074 Paradia and 4-23-22
octric log made? Yes No 12 If yes, attach copy to this report	Literan No. 30 87 Date of this report





Central Valley Regional Water Quality Control Board

4 June 2018

WDID: 5S17CC402153

Jose Alvarez Rx Boys Inc. 12990 Spruce Grove Road Lower Lake, CA 95457 Idolina Alvarez 12990 Spruce Grove Road Lower Lake, CA 95457

NOTICE OF APPLICABILITY, WATER QUALITY ORDER WQ-2017-0023-DWQ, JOSE ALVAREZ FOR RX BOYS INC., APN 012-067-400-000, LAKE COUNTY

Jose Alvarez for Rx Boys Inc. (hereafter "Discharger") submitted information through the State Water Resources Control Board's (State Water Board's) online portal on 2 May 2018, for discharges of waste associated with cannabis cultivation related activities. Based on the information provided, the Discharger self-certifies the cannabis cultivation activities are consistent with the requirements of the State Water Board Cannabis Cultivation Policy- Principles and Guidelines for Cannabis Cultivation (Policy), and the General Waste Discharge Requirements and Waiver of Waste Discharge Requirements for Discharges of Waste Associated with Cannabis Cultivation Activities, Order No. WQ-2017-0023-DWQ (General Order). This letter provides notice that the Policy and General Order are applicable to the site as described below. You are hereby assigned waste discharge identification (WDID) number **5S17CC402153**.

The Discharger is responsible for all the applicable requirements in the Policy, General Order, and this Notice of Applicability (NOA).

1. FACILITY AND DISCHARGE DESCRIPTION

The information submitted by the Discharger states the disturbed area is equal to or greater than 1 acre (43,560 square feet), no portion of the disturbed area is within the setback requirements, no portion of the disturbed area is located on a slope greater than 30 percent, and the cannabis cultivation area is greater or equal to 1 acre.

Based on the information submitted by the Discharger, the cannabis cultivation activities are classified as Tier 2, low risk.

2. SITE-SPECIFIC REQUIREMENTS

The Policy and General Order are available on the Internet at: http://www.waterboards.ca.gov/cannabis. The Discharger shall ensure that all site operating personnel know, understand, and comply with the requirements contained in the Policy, General Order, this NOA, and the Monitoring and Reporting Program (MRP, Attachment B of the General Order). Note that the General Order contains standard provisions, general requirements, and prohibitions that apply to all cannabis cultivation activities.

KARL E. LONGLEY SCD, P.E., CHAIR | PAMELA C. CREEDON P.E., BCEE, EXECUTIVE OFFICER

The application requires the Discharger to self-certify that all applicable Best Practicable Treatment or Control (BPTC) measures are being implemented, or will be implemented by the onset of the winter period (November 15 - April 1), following the enrollment date. Dischargers that cannot implement all applicable BPTC measures by the onset of the winter period, following their enrollment date, shall submit to the appropriate Regional Water Board a *Site Management Plan* that includes a time schedule and scope of work for use by the Regional Water Board in developing a compliance schedule as described in Attachment A of the General Order.

3. TECHNICAL REPORT REQUIREMENTS

The following technical report(s) shall be submitted by the Discharger as described below:

- 1. A Site Management Plan, by **31 July 2018**, consistent with the requirements of General Order Provision C.1.a., and Attachment A, Section 5. Attachment D of the General Order provides guidance on the contents of the Site Management Plan.
- 2. A Nitrogen Management Plan must be submitted by **31 July 2018**, consistent with the requirements of General Order Provision C.1.d., and Attachment A, Section 5. Attachment D of the General Order provides guidance on the contents of the Nitrogen Management Plan.
- 3. A Site Closure Report must be submitted 90 days prior to permanently ending cannabis cultivation activities and seeking to rescind coverage under the Conditional Waiver. The Site Closure Report must be consistent with the requirements of General Order Provision C.1.e., and Attachment A, Section 5. Attachment D of the General Order provides guidance on the contents of the Site Closure Report.

4. MONITORING AND REPORTING PROGRAM

The Discharger shall comply with the Monitoring and Reporting Program (MRP). Attachment B of the General Order provides guidance on the contents for the annual reporting requirement. Annual reports shall be submitted to the Regional Water Board by March 1 following the year being monitored. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Regional Water Board Executive Officer or the State Water Board Division of Water Quality Deputy Director, or the State Water Board Chief Deputy Director.

5. ANNUAL FEE

According to the information submitted, the discharge is classified as Tier 2, low risk with the current annual fee assessed at \$1,000. The fee is due and payable on an annual basis until coverage under this General Order is formally rescinded. To rescind coverage, the Discharger must submit a Notice of Termination, including a *Site Closure Report* at least 90 days prior to termination of activities and include a final MRP report.

6. TERMINATION OF COVERAGE UNDER THE GENERAL ORDER & REGIONAL WATER BOARD CONTACT INFORMATION

Cannabis cultivators that propose to terminate coverage under the Conditional Waiver or General Order must submit a Notice of Termination (NOT). The NOT must include a *Site Closure Report* (see Technical Report Requirements above), and Dischargers enrolled under the General Order must also submit a final monitoring report. The Regional Water Board reserves the right to inspect the site before approving an NOT. Attachment C includes the NOT form and Attachment D of the

General Order provides guidance on the contents of the Site Closure Report.

If the Discharger cannot comply with the General Order, or will be unable to implement an applicable BPTC measure contained in Attachment A by the onset of the winter period each year, the Discharger shall notify the Regional Water Board staff by telephone at (530) 224-4845 so that a site-specific compliance schedule can be developed.

All monitoring reports, submittals, discharge notifications, and questions regarding compliance and enforcement should be directed to centralvalleyredding@waterboards.ca.gov or (530) 224-4845.

(for)

Patrick Pulupa Executive Officer

SP: ch

cc via email:

Kevin Porzio, State Water Resources Control Board, Sacramento

CDFA CalCannabis Program, Sacramento

Mireya Turner, Lake County Planning Department, Lakeport