

## ALAB MEETING MINUTES

**Monday, April 2, 2018**

**Members and Alternates Present:** Jean-Pierre Wolff, Sarah Kramer, Dan Rodrigues, Jutta Thoerner, Mark Battany, Lisen Bonnier, David Pruitt, Dick Nock, Kaylee Ellis

**Staff Present:** Marc Lea, Lynda Auchinachie – San Luis Obispo County Department of Agriculture

**Absent Members:** Mark Pearce, Don Warden, Greg France, Craig Pritchard, Tom Ikeda, Chuck Pritchard, Claire Wineman

**Guests Present:** Devin Best – Upper Salinas/Las Tablas RCD, James Green – SLO County Farm Bureau

1. **Call to Order:** 5:10 pm Chair Wolff

2. **Previous Minutes – February 2018**

**MOTION: Rodrigues** Approve February 2018 minutes with the two minor changes as described by M. Lea.

**MOTION 2<sup>nd</sup>:** Kramer

**Approved:** Unanimous by all voting members. No “no” votes or abstentions.

3. **Announcements from ALAB Members:**

- Mark Battany shared copies of the current issue of California Agriculture Magazine which is devoted to articles related to the Sustainable Groundwater Management Act (SGMA). An article by Mark about his Paso Robles vineyard irrigation study is included. The magazine is available at [http://ucanr.edu/repository/fileAccessPublic.cfm?calag=fullissues/CAv072n01.pdf&url\\_attachment=N](http://ucanr.edu/repository/fileAccessPublic.cfm?calag=fullissues/CAv072n01.pdf&url_attachment=N)
- Lisen Bonnier indicated the meetings about the Los Osos Groundwater Basin fringe areas are going well and they will be submitting information that may result in that area being exempt from SGMA requirements.
- Dave Pruitt announced this year’s Central Coast Greenhouse Growers Association 17<sup>th</sup> Annual Open House Scholarship Fundraiser will be held Saturday, April 21, 2018, from 9am – 2pm. Additional information is available at [info@ccgga.com](mailto:info@ccgga.com).

4. **ALAB Governance – Marc Lea**

- Marc Lea indicated he will make one more attempt to gain an environmental member nominee through EcoSLO. ALAB members discussed the importance of maintaining the position and recommended a future agenda item to include expanding the environmental organizations that could nominate a member. Dan Rodrigues asked if Marc could further research the ALAB Operating Guidelines to determine if removing the seat entirely would be another possibility, and if so, what that process would entail.

## 5. Announcements from County Agriculture Department – Marc Lea

- Marc Lea reminded ALAB members that all cannabis activities require a land use permit. In response to some manufacturing projects that appear to be beyond what the ordinance allows for on agricultural land, the Planning Department provided an Ag Cannabis Manufacturing Guidance Document available at <https://www.slocounty.ca.gov/getattachment/Departments/Planning-Building/Department-News/Know-Before-You-Grow/PLN-2019-Cannabis-Manufacturing-Guidance.pdf.aspx?lang=en-US>
- Marc Lea reminded ALAB members that hemp was adopted as part of the crop production definition and therefore hemp cultivation does not require growers to obtain a land use permit. However, the crop production definition also includes reference to State restrictions on hemp that must be met. The restrictions have raised concerns that a loophole may exist. At this time, hemp growers (other than research institutes) are required to register with the Agriculture Department and follow rules that have not yet been established. Until the rules for hemp growing are adopted by the State, the Agriculture Department is not accepting registrations and therefore hemp cannot be legally grown in our county without applying for a cannabis activity land use permit (or if it is being grown by a recognized Ag Research Institution).
- ALAB members discussed the challenges associated with growing hemp for fiber and other products such as insulation and feed material. There is a shortage of processing facilities for hemp. Loans cannot be provided for hemp operations and banks cannot accept monies associated with hemp. Mark Battany opined that unless hemp is very drought tolerant it is not expected to be grown to any great degree in this county.
- Marc Lea encouraged growers using pesticides within a quarter mile of a school to use CalAg Permit system to meet the school notification regulatory requirements. The system helps expedite the process, but it is not required to be used.
- Marc Lea indicated that the Programmatic EIR for treatments of Asian citrus psyllid and other invasive pests has been subject of a lawsuit and a subsequent injunction. This injunction has affected CDFA's ability to treat recently detected invasive insect populations.

## 6. Growing Responsible and Socially Sustainable Cannabis – Best Management Practices Verification Program - Devin Best, Executive Director, Upper Salinas-Las Tablas Resource Conservation District

- Devin Best presented an overview of the “Growing Responsible and Socially Sustainable Cannabis (Grass-C) Best Management Practices Verification Program” recently developed to provide cannabis growers with a self-assessment and certification tool. The tool is envisioned to be used statewide. Devin requested feedback from ALAB members as the document is in a draft form and considered a living document. **(DRAFT COPY IS INCLUDED AT THE END OF THESE NOTES)**
- ALAB members suggested changes to address identified issues as well as potential social impacts with neighbors. Overall, ALAB members recognized the value of the tool.

**7. Future Agenda Items:**

- Consider recommending BOS revise ALAB Procedural Guidelines to expand the environmental organizations that could nominate an ALAB member.

**Next meeting – May 7, 2018**

Meeting Adjourned 6:35 pm

Respectfully submitted by Lynda Auchinachie, San Luis Obispo County Department of Agriculture



**GROWING RESPONSIBLE AND SOCIALLY SUSTAINABLE CANNABIS  
(GRASS-C)**

**BEST MANAGEMENT PRACTICES VERIFICATION PROGRAM**

OVERVIEW .....	1
Introduction.....	1
Purpose.....	1
INSTALLATION OF GROWING OPERATION.....	2
Land Use & Conservation Measures .....	2
Planting Setup .....	5
OPERATION AND MAINTENANCE PRACTICES.....	7
Crop Water Use.....	7
Waste Management.....	12
Soil Management .....	14
Materials Storage .....	15
Pest Management.....	16
WORKFORCE .....	18
Social Equity and Labor Management.....	18

## **OVERVIEW**

### **Introduction**

The Compassionate Use act (Proposition 215) and the Adult Use Act (Proposition 64) changed the cannabis industry in California from a black market to a viable commercial commodity. With new licenses at the county and state level being issued for legal cannabis production, it is imperative best management practices (BMPs) are employed to prevent habitat degradation and ensure sustainability of both growing practices as well as natural resources. The Upper Salinas – Las Tablas Resource Conservation District, in collaboration with cannabis growers, researchers, resource agencies, and other technical experts have put together a program to allow gradation of certified cannabis growers for San Luis Obispo County.

### **Purpose**

The purpose of this program is to establish all the necessary best management practices known for cannabis production within San Luis Obispo County, California. Although this program is solely focused on the political boundaries of San Luis Obispo County, it is the intent of the program to be applicable and adapted to other regions within the state for cannabis production. The goal of this program is to objectively identify, prioritize, and rank natural resource issues relevant to cannabis production. In order to do so, the program looks at both the macro and micro-scale resource concerns and has set criteria and best management practices (BMPs) for the varied cannabis growing methods (i.e. greenhouse, hoop house, outdoor).

The following are guiding principles to achieve sustainable cannabis production and resource management.

1. Help protect, conserve, and enhance natural resources
2. Design alternatives that meet local resource planning criteria for identified resource issues
3. Include human concerns for achieving sustainable agricultural systems
4. Consider the effects of planned actions on interrelated geographical areas (i.e., looking off-site, beyond the planning unit boundary)
5. Consider and explain the interaction between ecological communities and society
6. Focus on ecological principles
7. Consider the effects, risks and interactions of planned systems and practices on the natural resources, as well as economic and social considerations
8. Identify where indigenous stewardship methods might be needed or explored
9. Assist with development of plans, regardless of scale, which will help achieve the objectives
10. Identify where knowledge, science, and technology need to be advanced



**Upper Salinas-Las Tablas Resource Conservation District**

---

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

**INSTALLATION OF GROWING OPERATION**

**Land Use & Conservation Measures**

Prior to establishing a cannabis grow facility, it is important to assess and evaluate the location of the operation in proximity to natural resources. Below are BMPs for various categories of land use resource issues.

Topography - Planting on slopes greater than 30% should have hillside terraces that match the contours of the landscape. Whether the operation is a greenhouse, hoop house, or outdoor, installation and management of the site should follow the topography to reduce potential for soil erosion.

1. Has a consultation with local agencies (i.e. Resource Conservation Districts [RCD], University of California Cooperative Extension [UCCE], California Department of Food and Agriculture [CDFA]) occurred or has the applicant used agency resources to complete a conservation plan?

Yes (2pts)     No

If yes, list the Agency and your contact or resource used:

---

---

---

2. Prior to planting, were the percent slope, aspect of each planting location, and the total acres of land within different levels of erosion risk identified?

Yes (2 pts)     No     NA (Indoor facility)

Soils – A preliminary inventory of soils should be done prior to any earth movement activities. The Natural Resource Conservation Service Web Soil Survey (<https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>) provides accurate information about the types, depths, and properties of soils for continental United States. Highly erosive soils, alkaline, or soils not-conducive for outdoor operations should be avoided.

- Attach NRCS soil survey map to this document.

Light/Sun – At the onset, the operator should make the determination about how to provide adequate light for growing cannabis. During varying stages of plant maturity, light, and consequently the lack of, can alter the timing of different physiological changes in the plant. If an operator chooses to rely solely on the sun as a light source, attention should be made for the



## Upper Salinas-Las Tablas Resource Conservation District

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | [www.us-ltrcd.org](http://www.us-ltrcd.org)

number of hours/day of sunlight is present throughout the growing season. If using artificial light, the operator should have a plan for number of hours of light exposure needed to induce various stages of plant growth.

1. Does the operation use artificial light?

Yes  No (2 pts)

2. Has any native vegetation removal occurred to develop a planting area?

Yes  No (2 pts)

3. What percent of total grow time is reliant on artificial light?

0-25% (4 pts)  25-50% (3 pts)  50-75% (2 pts)  75-100% (1 pt)

Access/Roads – All access roads need to be installed and maintained to reduce impacts to hydrology and soil by limiting erosion and sediment. Roads should be constructed to avoid watercourses to the best ability. In addition, proper rural road construction BMPs such as those found in the Pacific Watershed Associates Handbook for Forest, Ranch, and Rural Roads ([http://www.pacificwatershed.com/sites/default/files/roadsenglishbookapril2015b\\_0.pdf](http://www.pacificwatershed.com/sites/default/files/roadsenglishbookapril2015b_0.pdf)).

1. Are access roads constructed to minimize erosion?

Yes (2 pts)  No

2. Are there signs of riling, ponding, or gulying on any access roads?

Yes  No (2 pts)

3. Are appropriate crossings and drainage systems installed?

Yes (2 pts)  No

Waterbodies – Each facility should be aware of the waterbodies surrounding their property and have established strategies to protect those resources. For example, operations should have minimum setbacks from various waterbody classifications (*i.e.* perennial, intermittent, ephemeral, or man-made drainage) to reduce contamination of watercourses. United States Fish and Wildlife service provides an online wetlands mapper tool (<https://www.fws.gov/wetlands/>) that can be used to identify watercourses and wetlands throughout the United States.

1. Has the operation identified waterbodies occurring on site?

Yes (2 pts)  No



## Upper Salinas-Las Tablas Resource Conservation District

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

2. Have downstream basins been identified?

Yes (2 pts)     No

3. Are there established minimum setbacks from waterbodies?

Yes (2 pts)     No

Fill in the table with the appropriate waterbody and estimated setback for each.

Waterbody Type	*Total Number	Minimum Setback
Perennial		
Ephemeral		
Intermittent		
Man-made drainage		

\*note: calculate the total number of each waterbody type occurring on the property.

4. What is the condition of the setbacks?

Good (3 pts)     Fair (2 pts)     Poor

**Fish and Wildlife Resources** – It is recommended a conservation plan be in place and updated every five (5) years. A Resource Conservation District (RCD) plan or equivalent is acceptable. A grow operation should identify any sensitive fish and wildlife species present on the property and develop conservation practices to minimize impacts. Example BMPs would be incorporating predatory bird stands, protection of stream habitat, preservation of wetlands, and forest/woodland area management.

1. Has the operation conducted any biological surveys or studies?

Yes (2 pts)     No

If yes, attach any surveys or studies.

2. What percent of the property is maintained as non-productive habitat (i.e. native and naturalized grasses, flowering plants, shrubs and trees, edges and corridors)?

>60% (4 pts)       >30-59% (3pts)       10-29% (2 pts)       <10% (1 pt)

Attach map marked with percent of property maintained in non-production.

**Upper Salinas-Las Tablas Resource Conservation District**

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

Cultural Resources – Prior to any grading, all cultural resources should be identified and mapped, especially in areas known to have historic activity or sites.

1. Has a cultural resources survey been conducted prior to installation?

- Yes (2 pts)     No

2. Have measures been made to protect any cultural resources?

- Yes (2 pts)     No

If yes, describe what has been done or planned to be done:

---

---

---

---

*Overall ranking score for land use and conservation measures:*

       *Points out of 37 Points Possible*

**Planting Setup**

Power – Cannabis operations should strive to rely on 100% renewable energy such as wind, solar, or in few circumstances micro hydropower production.

1. What is the source of power used?

- Conventional
- Wind
- Solar
- Hydro
- Generator
- Other: \_\_\_\_\_

2. Estimated percent renewable energy:



## Upper Salinas-Las Tablas Resource Conservation District

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

- 0-25% (1 pts)       25-50% (2 pts)       50-75% (3pts)       75-100% (4pt)

Water – Sources of water used for irrigating cannabis should be sustainable. If the water source is groundwater, a proximity analysis and well draw down calculator (available upon request with Upper Salinas – Las Tablas RCD) should be conducted to determine how to minimize groundwater impacts. If the source is from surface-water, withdrawals should be limited to wet months (January to April). Surface-water pumps will be screened with openings no greater than 3/32” (i.e., small enough to exclude small fish) and screen diameter must be large enough the suction pressure is invisible. National Marine Fisheries Service has guidelines for surface-water screens

([http://www.westcoast.fisheries.noaa.gov/publications/hydropower/southwest\\_region\\_1997\\_fish\\_screen\\_design\\_criteria.pdf](http://www.westcoast.fisheries.noaa.gov/publications/hydropower/southwest_region_1997_fish_screen_design_criteria.pdf)). Rain water harvest and grey water are other sources of water that can be used for irrigation. If these systems are used, they should be designed, engineered, and operated to be used during wet winter months and avoid impacts to neighboring waterbodies. Permits for water diversions and storage will be obtained through the appropriate regulatory agency depending upon the point of diversion and/or storage capabilities.

Noise – Operations should be cognizant of noise levels from heavy equipment, traffic, fans, heaters, pumps, etc. Also, due to the nature of cannabis operations, some may require ongoing, around the clock operation to ensure plant vitality and vigor. This may pose a problem in relation to adjoining property owners. It is recommended each operation abide by the local noise ordinance.

1. Are measures taken to reduce noise?

Yes (2 pts)       No

List measures to reduce noise levels on the property.

---

---

---

Spacing – The spacing between plants, both during the growing season as well as curation, should be adequate to prohibit cross contamination, improve pest management, and canopy microclimate.

1. Was the spacing chosen based on soil type, rootstock, terrain, variety, and clone?

Yes (2 pts)       No

**Upper Salinas-Las Tablas Resource Conservation District**

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

- 2. Was the trellis and training system designed to optimize canopy microclimate, sunlight exposure (if applicable), and minimize disease and insect pressure?

Yes (2 pts)     No

If yes, provide a written description of your trellis system(s) and how it addresses these issues.

---

---

---

---

---

Odor – Odor can be problematic for certain operations, especially depending on varietal of cannabis grown and proximity to other properties. Facilities should develop and adopt an odor control plan based on best management practices to reduce odors from various sources.

- 1. Does the operation have an odor control plan?

Yes (2 pts)     No

*Overall ranking score for planting setup:*

\_\_\_\_\_ *Points out of 12 Points Possible*

**OPERATION AND MAINTENANCE PRACTICES**

**Crop Water Use**

Each operation will vary in relation to crop water use. For the purposes of this document, the water use for cannabis has been divided into four (4) main categories: indoor, greenhouse, high hoop, and outdoor. For clarification, indoor is considered to be an enclosed structure where all environmental and climatic factors such as light, temperature, and pests can be controlled. Greenhouse and high hoop are similar with the variance that greenhouse is enclosed whereas



## Upper Salinas-Las Tablas Resource Conservation District

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

high hoop has open corridors under the structure, while outdoor is does not have a protective cover over the crop.

### Crop Water Requirement

- Indoor
- Greenhouse
- High hoop
- Outdoor

What are the maximum annual acre-feet estimated crop water requirements for the various growing techniques?

- Indoor: \_\_\_\_\_ AF
- Greenhouse: \_\_\_\_\_ AF
- High hoop: \_\_\_\_\_ AF
- Outdoor: \_\_\_\_\_ AF

### Growing Season

1. What is the annual average length of time for growing cannabis on your property?

- 0-3 months
- 3-6 months
- 6-9 months
- >9 months

### Harvest numbers/frequency

1. What is the annual number of harvests?

- 1
- 2
- 3
- >3

Source of water (i.e. surface, roof runoff, groundwater). Circle all that apply.

- Surface
- Groundwater
- Rain Harvest
- Greywater
- Natural precipitation
- Other: \_\_\_\_\_

Irrigation practice – flood, hand, sprinkler, drip, or dryland. Circle all that apply.

- Flood
- Sprinkler
- Drip
- Hand
- Dryland

**Upper Salinas-Las Tablas Resource Conservation District**

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

- Other: \_\_\_\_\_

Water quality – dissolved oxygen, pH, salinity, metals, salts, etc.

1. Is a water quality analysis conducted more than every five years?

- Yes (2 pts)     No

2. Frequency of water quality analysis:

- Annually (3 pts)  
 Every 3 years (1 pt)  
 No

If yes, attach analysis results.

3. Are any measures being taken to address water quality issues?

- Yes (2 pts)     No

If yes, list/describe what measures are being taken to address water quality:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. What are the water quality measures of concern? List (e.g. high pH, metals, nitrogen, etc.):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Stock – seed, clone, teen, early vegetative

1. What is the base stock type for the operation? \_\_\_\_\_

**Upper Salinas-Las Tablas Resource Conservation District**

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

2. Prior to receipt of plant material, were tests for viruses conducted?

- Yes (2 pts)     No

If yes, attach virus test.

*Overall ranking score for crop water use:*

           *Points out of 9 Points Possible*

**Soil & Sediment Erosion Control**

Cover crop

1. Are there cover crops?

- Yes (2 pts)     No

2. Are the cover crops composed of native vegetation and in good condition?

- Yes (2 pts)     No

3. Estimated percent cover:

- 75-100% (4 pts)     50-75% (3pts)     25-50% (2 pts)     0-25% (1 pt)

Mulch

1. Has mulch been applied to reduce soil erosion?

- Yes (2 pts)     No

2. Is there a minimum of 2-4” applied around the facilities, including plants?

- Yes (2 pts)     No

**Upper Salinas-Las Tablas Resource Conservation District**

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

3. Does the area have adequate amount of mulch surrounding the operation to prevent soil erosion?

- Yes (2 pts)       No

4. Does the operation have an erosion control plan and/or BMPs installed?

- Yes (2 pts)       No

List erosion control BMPs in the plan or installed:

---

---

---

---

Filter strips

1. Are there filter strips installed?

- Yes (2 pts)       No

2. If so, are the filter strips adequately reducing pollutants to watercourses?

- Yes (2 pts)       No

Soil stabilizers

1. Have soil stabilizers been applied?

- Yes (2 pts)       No

If yes, list/describe type of soil stabilizer:

---

---

---

---





**Upper Salinas-Las Tablas Resource Conservation District**

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

2. How frequently are soil stabilizers applied?

0-3 months

3-6 months

6-12 months

>12 months

*Overall ranking score for soil and sediment control measures:*

\_\_\_\_\_ *Points out of 22 Points Possible*

---

**Waste Management**

Each facility will need to have adequate processes for dealing with byproducts and waste from crop production. The purpose of having a waste management plan, procedure, and practices is to minimize or eliminate pollutant discharge into watercourses from stockpiling. Waste can vary, depending on the operation, and include, but not limited to, organic materials, metal, pipes, soil, food containers and beverages, timber/lumber, and metal scraps. It is recommended for a designated employee to oversee and enforce proper solid waste procedures and practices.

Collection facility/process

1. Is there a designated waste management employee?

Yes (2 pts)     No

2. Does the facility have adequate storage of waste materials?

Yes (2 pts)     No

3. Are there preventive stormwater measures installed around solid waste such as berms, dikes, biodegradable erosion control BMPs, etc.?

Yes (2 pts)     No

4. Are organic and inorganic waste kept separate?

Yes (2 pts)     No

Composting

**Upper Salinas-Las Tablas Resource Conservation District**

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

1. Does the operation have on-site composting of organic waste material(s)?

Yes (2 pts)     No

2. Is compost coming from off-site (imported)?

Yes     No

If yes, what percentage of compost is from off-site?

75-100% (1 pt)     50-75% (2pts)     25-50% (3 pts)     0-25% (4pts)

3. Is previous year's (season's) compost being used on-site?

Yes (2 pts)     No

4. If yes, are any inorganic supplements added to the compost?

Yes (2 pts)     No

Disposal area

1. Are there sufficient numbers of solid waste storage areas?

Yes (2 pts)     No

2. If there are solid waste storage areas, are they located a minimum of 50 ft away from any drainage areas or watercourses?

Yes (2 pts)     No

3. Are potentially hazardous wastes segregated from non-hazardous?

Yes (2 pts)     No

*Overall ranking score for waste management practice:*  
  
\_\_\_\_\_ *Points out of 24 Points Possible*

**Upper Salinas-Las Tablas Resource Conservation District**

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

**Soil Management**

Soil management involves the physical and chemical parameters necessary to provide adequate soil moisture and macro- and micro-nutrients to plant growth. In addition, management of soil includes practices of incorporating materials either on-site or offsite to ensure adequate nutrient levels.

Composting

1. Does the facility incorporate composting as a soil management practice?

- Yes (2 pts)     No

2. What is the frequency of composting applied?

- Monthly (4 pts)     Quarterly (3 pts)     Bi-annually (2 pts)     Annually (1 pt)

3. Is the compost tested for organic content?

- Yes (2 pts)     No

Organic and inorganic compounds

1. What percentage of organic to inorganic compounds are in the soil?

- 75-100% (4pts)     50-75% (3pts)     25-50% (2 pts)     0-25% (1pt)

If inorganic compounds are used, provide a list of which are used in the soil:

---

---

---

---

*Overall ranking score for soil management practices:*

       *Points out of 12 Points Possible*



## Upper Salinas-Las Tablas Resource Conservation District

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

### **Materials Storage**

Materials used in the production of cannabis must be documented and stored to prevent accidents or spills. Each facility should have a designated materials storage container with an emergency evacuation and spill plan in place.

Materials Management Plan – Each facility should have a management plan and strategy for dealing with materials both hazardous and non-hazardous to prevent accidental spills and to address emergency situations.

Location – The location of a materials storage facility is important for minimizing risks and preventing contamination into groundwater or surface waterbodies in the case of an accident.

1. Is there a designated storage facility on site?  
 Yes (2 pts)     No
2. If yes, is the facility located at a distance sufficient to prevent contamination to surface water bodies?  
 Yes (2 pts)     No

### Storage

1. Are there control measures to prevent spills (e.g. spill proof containers, catch basin, etc.)?  
 Yes (2 pts)     No
2. Are the storage containers used appropriate for the materials stored in them?  
 Yes (2 pts)     No
3. Is there a secondary containment system or overfill prevention system in place?  
 Yes (2 pts)     No

### Listing of materials

1. Are the appropriate material safety data sheets (MSDS) posted or readily available?  
 Yes (2 pts)     No

### Emergency spill and evacuation plan



**Upper Salinas-Las Tablas Resource Conservation District**

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

1. In the event of a spill or emergency, is there a plan in place to address these issues?

Yes (2 pts)     No

2. If yes, when was the plan recently updated?

0-3 months (4 pts)     3-6 months (3 pts)     6-12 months (2 pts)     >12 months (1pt)

3. Are absorbent pads, socks, or blankets readily available in the case of a spill or emergency?

Yes (2 pts)     No

4. Have all employees been trained in proper emergency spill prevention procedures?

Yes (2 pts)     No

5. Is there at least one person present at all times with skills and knowledge to implement an emergency prevention spill plan?

Yes (2 pts)     No

*Overall ranking score for materials storage management and practices cumulative score:*

*\_\_\_\_\_ Points out of 24 Points Possible*

---

**Pest Management**

Pest management and pest control is the focus for sustainable cannabis production. The operator needs to account for many issues when deciding when and how to manage or control a pest such as pest life stage, abundance of beneficial insects, economics, and injury to existing crops. Use of proper equipment (mechanical vs. chemical) for management is also another important factor to consider. Each facility should strive to have low-input practices with standards that are adaptable and flexible as new information and techniques become available.



## Upper Salinas-Las Tablas Resource Conservation District

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

**Identification** – Identification of potential pests is the first step to management and control. Each facility should have expertise and current knowledge of potential pests and be able to readily identify nuisance pests from beneficial insects, plants, etc.

1. Are plants surveyed on a regular basis for identification and accounting of pests?

Yes (2 pts)     No

2. Have any pests identified been reported to California Department of Food and Agriculture?

Yes (3 pts)     No

If yes, how frequently?

Daily (4 pts)       Weekly (3 pts)       Monthly (2 pts)       Annually (1 pt)

**Control** – If pests are present at the site, a pest management control plan should be implemented to minimize, control, and possibly eradicate them. The plan can be a living document which adjusts according to the season, pest present, life stage of the plant, abundance of the pest present on site.

1. Are chemical treatments applied?

Yes       No (2 pts)

If yes, are the chemical treatments (pesticides, fungicides, etc.) on approved list (*i.e.* Clean Green Certification)?

Yes (2 pts)     No

Attach documentation of all chemical treatments applied.

2. Are treatments applied to the smallest area possible to achieve control (spot spray vs. overhead)?

Yes (2 pts)     No

3. Are there adequate sanitation practices employed to prevent spreading of pests, weeds, disease?

Yes (2pts)     No

If yes, what is the frequency of application?



**Upper Salinas-Las Tablas Resource Conservation District**

---

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

Daily       Weekly       Monthly       Yearly

*Overall ranking score for pest management and practices:*

         *Points out of 17 Points Possible*

---

**WORKFORCE**

**Social Equity and Labor Management**

In order for cannabis production facilities to be sustainable, they must provide a safe and fair working environment for their employees and interact successfully with the surrounding community. A heavy reliance on human labor to conduct various stages of cannabis production requires a safe and fair work environment. Providing fair compensation, benefits, and promoting a positive work environment should be the goal of each facility.

**Requirements**

1. Is there an employee handbook with the appropriate human resources policies (harassment, salary, benefits and incentives, safety policy procedures and grievances, etc.)?

Yes (2 pts)       No

2. Is there a Job Hazard Analysis (JHA) provided to employees and kept on site?

Yes (2 pts)       No

3. Does the operation pay competitive salaries for the region?

Yes (2 pts)       No

If yes, provide documentation of average salaries per job category for the region.

4. Are any benefits (health, dental, vision, life) contributions made on behalf of the employer?

Yes (2pts)       No



**Upper Salinas-Las Tablas Resource Conservation District**

---

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org

If yes, what percentage of medical insurance premium is covered by the employer?

100% (4 pts)       75% (3 pts)       50% (2 pts)       <50% (1 pt)

5. Is there a formal process for performance evaluations?

Yes (2 pts)       No

6. Is there a formal process for grievances and disciplinary action?

Yes (2 pts)       No

*Overall ranking score for social equity and labor management and practices:*

\_\_\_\_\_ *Points out of 16 Points Possible*

---





## Upper Salinas-Las Tablas Resource Conservation District

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | [www.us-ltrcd.org](http://www.us-ltrcd.org)

---

For further information, Clean Green ([www.cleangreencert.org](http://www.cleangreencert.org)) has valuable information on cannabis production BMPs, including a list of products. Clean Green Certified Program provides a list of products that are used and have been reviewed for Clean Green certification (available at: <https://www.cleangreencert.org/wp-content/uploads/2016/10/MasterCGReviewedInputList-Revised-8-5-16.pdf>). This list does not include all products that may be used, but a sample of those that have been reviewed.

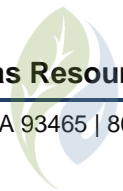
For products not on this list, the following resources are useful in determining the best products and ingredients that will assist you in developing a sustainable crop operation:

- Organic Materials Review Institute (OMRI), [www.omri.org](http://www.omri.org) (the generic search tool is very helpful also).
- Washington State Department of Agriculture (WSDA).  
<http://agr.wa.gov/FoodAnimal/Organic/MaterialsLists.aspx>
- National List of Allowed and Prohibited Substances  
[www.ams.usda.gov/NOP/NOP/standards/ListReg.html](http://www.ams.usda.gov/NOP/NOP/standards/ListReg.html)
- CDFA Fertilizer Product Database – Organic Input Materials (OIM)  
[https://www.cdfa.ca.gov/is/ffldrs/fertilizer\\_OIM.html](https://www.cdfa.ca.gov/is/ffldrs/fertilizer_OIM.html)
- ATTRA has a new Ecological Pest Management, on-line pest management tool for farmers. This database highlights reduced risk materials that can be integrated with ecological pest management strategies. It can be found at the following link:  
[http://www.attra.org/attra-pub/biorationals/biorationals\\_main\\_srch.php](http://www.attra.org/attra-pub/biorationals/biorationals_main_srch.php)

Attached a list of products **not** included in any of the aforementioned resources.

## Upper Salinas-Las Tablas Resource Conservation District

65 S. Main St. Ste. 107 Templeton, CA 93465 | 805.434.0396 x 3196 | www.us-ltrcd.org



Category	Score
<b>Land Use &amp; Conservation Measures</b>	
<b>Planting Setup</b>	
<b>Operation &amp; Maintenance</b>	
<b>Soil &amp; Sediment Control</b>	
<b>Waste Management</b>	
<b>Soil Management</b>	
<b>Materials Storage</b>	
<b>Pest Management</b>	
<b>Social Equity &amp; Labor Management</b>	
<b>TOTAL:</b>	
<b>POINTS POSSIBLE:</b>	<b>173</b>
<b>*RANK:</b>	

Score	Rank
173-165	AA
164-156	A
155-138	B
137-121	C
120-103	D
<102	Cannot be considered for this program

Self Assessment conducted on: \_\_\_/\_\_\_/20\_\_\_

Self Assessment conducted by: \_\_\_\_\_  
Print name

\_\_\_\_\_  
Signature

Verification conducted on: \_\_\_/\_\_\_/20\_\_\_

Verification conducted by: \_\_\_\_\_  
Print name, Title

\_\_\_\_\_  
Signature