

Project Description-

We are currently a permitted 6,500 sf farm- all cultivation is done full sun, in native, living soil and plants are grown organically with rainwater collected and stored throughout the winter- we have 57,000 gallons of rainwater storage and power is supplied by our 5kw Solar intertie with PGE. Processing is currently done in our permitted garage. We are not increasing of cultivated square footage at all, we are simply looking to add 10' wide seasonal hoop houses over our existing garden beds-our garden beds are 6' wide in native living soils and we are adding square footage to accommodate the 2' wide aisles on both sides of the existing beds. There will be no grading or disturbing of any soil in the installation of the seasonal hoop houses.

We are applying for a micro-business license to allow us to distribute and process our cannabis in our existing, permitted garage where we currently process our flower. We are planning on doing solventless extraction with only ice and water, no solvents or chemicals of any kind. Water and ice use is minimal, under 2,000 gallons, and will be supplied by our rainwater catchment system- we currently have had over 10,000 gallons of water left at the end of the season with our rainwater catchment from the garage and will be topping that off throughout the winter while we are processing. Chest freezers and any associated equipment are all energy star certified and will be supplied 100% by our 5kw solar I grid - intertie system, using less power than it currently takes to dry and store our flower.

Our property is accessed by Bark Shanty Rd, a paved county road. As per communication with Ken Freed, on 1/6/2025, Bark Shanty is a category 4 road where it meets our driveway .We live on site and are a family owned and operated farm with no employees-there will be no increase in traffic on the county road which serves our property.

Addendum to our operations plan as far as water use projection for proposed project- We plan on processing 1000-1200 lbs of fresh frozen material. Each wash uses 100 gallons of water to processes 100lbs of material at a time, using a total of 1,200 gallons to process 1200lbs of material. Additional water use to clean processing equipment and make ice is expected to be another 800 gallons, for a projected total of 2,000 gallons of water. Most processing will be in the winter months and supplied from our current 57,000 gallon rain water catchment system. We have had 5,000-10,000 gallons left over each season the past few years (see waterboard reporting documents) and can capture more water throughout the winter to fill all tanks before the start of the season.

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Applicant has one withstanding compliance item from his current special permit, which is to pave the lip of the driveway where it meets the county road. Applicant has spoken to Ken Freed at public works about this outstanding issue-due to circumstances beyond his control, the applicant was unable to get that done before the paving season ended this year. Applicant will complete this requirement in summer of 2025 as soon as the asphalt plant reopens for the year in willow creek, the closest possible source for pavement to Orleans. Applicant has spoken to Ken about this and was granted permission to add that compliance agreement to the special permit for the micro business.

Our water system for the farm is supplied by our rainwater catchment system and is outlined in detail on our enclosed Property Diagram and consists of 57,000 gallons of storage. Our domestic water system is supplied by our spring with an additional 14,000 gallons of storage and is covered by an LSA agreement with Fish and Wildlife. We had an inspection from them this year where they inspect the farm and our domestic water diversion logs and intake system and make sure we are compliant with the terms of our LSA agreement, which we are.

On our farm, we grow cover crops and practice no till, regenerative farming and cultivate in native living soils which we amend with organic compost from the farm and bio char from our fuels reduction projects, all of which greatly reduces water and nutrient inputs to the native clay soil. We have consistently had over 10,000 gallons of water left over the last several years with our rainwater catchment system and can collect more water than we can store throughout the winter when we'll be doing our processing for the micro-business.

Our grid-tied 5 kw solar system consists of 36 165W solar panels and a 5kw inverter and supplies power currently for the farm and will for the micro-business as well.

Distribution Operations Plan for Terrapin Farms

We will only be distributing products from our farm and will be delivering products ourselves approximately once a month to customers throughout the state. There will be no increased traffic or deliveries associated with our proposed project.