

Water Irrigation and Storage Plan

Mayers Flat Farm LLC

Location: 13360 Dyerville Loop Rd. Meyers Flat CA 95554

APN: 211-372-006

Address: P.O. Box 2114 Redway, CA 95560

Water Storage and Usage Water Storage and Usage

Projected Water use for this site and homestead is approximately 397,693.75-gallons. The projected water use for the cannabis is approx. 379,443.75-gallons. Domestic water use is expected to be approx. 18,250-gallons. This water use is an estimate to the best of my knowledge. Domestic water is sourced from Domestic Use Spring, S028042. The applicant also has a Small Irrigation Use Right H508360/H505233 to use water for irrigation at this time. We will be rescinding the SUIR right after the reporting date of April 1, 2022. The primary irrigation water source for this operation will be solely rainwater catchment pond. The water stored in the pond will be pumped to the storage tanks until they meet capacity during the rainy season. The pond will be able to fill again (please see additional rainwater catchment report) that has a capacity of approximately 350,000-gallons. There are currently 3 (three) 3,000-gallon HDPE water storage tanks and one 1,100-gallon HDPE water storage tank that are used to store the water from the pond. An additional 40,000 gallons of storage is being added currently to the site to fill now for the upcoming year. All of the new tanks are less than 5,000 gallons and do not require any additional permitting in Humboldt County. They will be located outside all of the unusable zones of this property. Applicant will be adding approx. qty 10 3,200-gallon tanks and 2 4,800-gallon water tanks.

The rainwater stored in the tanks and pond from rain catchment only will be more than enough water for all seasonal irrigation uses.

Water Discharge

Water storage is separate from cannabis feeding tank. Feeding tank is at least 200 ft from nearest water source and on flat ground. Mulched organic matter is spread on topsoil to help with evaporation and runoff. Heavy amounts of peat moss and coco coir are also amended into soil periodically to help with runoff of fertilizer. No run-off from cultivation watering flows into the ground. Cannabis cultivation occurs at least 200 feet away from the Class II watercourse. All poly-flex irrigation water lines are anchored, located up and out of drainages, and sited in a responsible way so as not to impede water flow through stream channels.

Monthly Water Use Table

Month	Cannabis Use in Gallons	Domestic Use
January	0	1,550
February	0	1,400
March	33,533.75	1,550
April	41,000	1,500
May	45,000	1,550
June	51,000	1,500
July	53,500	1,550
August	53,500	1,550
September	51,500	1,500
October	50,400	1,550
November	0	1,500
December	0	1,550
Total	379,443.75	18,250

I have read and keep a copy in my binder of the “Best Management Practices of Waste Resulting from Cannabis Cultivation and Associated Activities or operations with Similar Environmental Risk”, “Performance Standards for all CMMLUO Cultivation and Processing Operations” and the “Legal Pest Management practices for Marijuana Growers in California”. I intend to practice the guidelines set forth by these documents to help ensure my compliance with laws. I also intend to be flexible with county and state officials, make changes as necessary and upgrade my property to comply. Please feel free to contact me for any more information.