

Dirt to Dispensary Workshop Series

Workshop #4
Water and Wastewater

SonomaCounty.ca.gov/Cannabis

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Water Supply Standard

Well Water: Water Scare Areas (Class 4)/ Groundwater Management Plan areas/Priority Basin...require a “no net increase in water use” through conservation methods

OR

Prepare a hydro-geologic report

- Well Monitoring, with Easement, Required



Water Supply

- Municipal Supply
- Recycled Water
- Groundwater
 - Well
- On-site Supply
 - Surface Waters
 - Stream, pond, lake or spring
 - Water Rights / Streambed Alt Agreement



Water Wells – Cannabis Ord

- Groundwater Availability Zones
 - Zones 1, 2, 3 and 4
- Sustainable Groundwater Management Basins
 - High, Medium and Low Priority Basins
- Areas of Little Regulation
 - Zones 1, 2 or 3 and Low Priority Basin
- Areas of More Regulation
 - Zone 4 or High or Medium Priority Basin

Water Wells – Cannabis Ord (cont)

- Zone 4 or High or Medium Priority Basin
 - Zero Net Increase in Water Use
 - Water Conservation
 - Rainwater Capture
 - Recycled Water Reuse
 - Groundwater Recharge
 - Trucking of Recycled Water
 - Cultivation Area Only
 - On-site / Municipal Water Supply for Employees

Water Wells – Cannabis Ord (cont)

- Zone 4 or High or Medium Priority Basin
 - Hydro-Geologic Report
 - Cumulative Impact Report for Groundwater
 - NOT Result in:
 - Overdraft of GW Basin
 - Reduction of Flow in Steams
 - Well Interference

Water Well Construction - General

- Water Well Construction Standards
(Chapter 25B – Sonoma County Code)
 - Specific Contractors Licenses Only
 - Well Construction Permit
 - Setbacks – septics, other wells, sources of pollution
 - Well Seal – 20' minimum
 - Permitting and Construction: \$15,000 -- \$30,000

Water Well Construction – Cannabis Ord

- Water Meter – Flow Rate
- Sounding Tube – Groundwater Elevation
- Quantity of Water Pumped
- Groundwater Elevation – Static Water Level
- Recorded Quarterly and Reported Annually
- Groundwater Monitoring Easement

Wastewater

- Municipal Connection
- On-site Disposal



Municipal Wastewater Connection

- Sanitation District
- Twelve or More Around County
 - City of SR – largest
 - Occidental – smallest
- Connection Permit
 - Connection Fee
 - Monthly Service Fees
 - Lateral Permit

On-site Wastewater

- REHS and Civil Engineers (qualified professionals)
- Septic Permit
- Various Types and Permutations
- Soil and Depth to Groundwater
- Commercial – All Cannabis Operations
- Permitting and Construction
- \$20,000 to \$70,000



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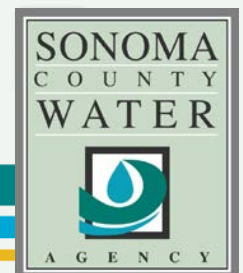


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Sonoma County Water Agency

- Provide drinking water for 600,000 customers
- Manages and operates 8 different sanitation zones and districts throughout Sonoma County
- Environmental Services Section evaluates pretreatment requirements for industrial and commercial businesses
- Cannabis businesses will be treated the same other businesses



Why Pretreatment?

- Industrial/commercial wastewater can impact the wastewater treatment plant and collection system
- Pretreatment program regulates industrial/commercial operations
 - Sewer Use Ordinance
 - Wastewater discharge permits
 - Sampling and inspections
 - Enforcement if necessary



How Do I Get Started?

Go To Permits Sonoma!

- Survey for Commercial & Industrial Wastewater Requirements (WWDS)
- Plans will be required
- Information will be used to help evaluate your pretreatment requirements, connection fees and sewer service charges



Pretreatment Requirements

- Facility may be required to install special plumbing and flow devices
 - Separate process and sanitary waste lines
 - Sampling manhole (MMH 120C)
 - Effluent meter or process meter
- You may be required to obtain a Wastewater Discharge Permit from SCWA
- Your facility must always comply with Sewer Use Ordinance regulations



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Questions?

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