

CUPA REGULATIONS & THE CANNABIS INDUSTRY

ENVIRONMENTAL MANAGEMENT DEPARTMENT
ENVIRONMENTAL COMPLIANCE DIVISION

Certified Unified Program Agency

Regulates the following programs:

- Hazardous Materials Release Response Plans and Inventories (Hazardous Materials Business Plan)
- Hazardous Waste Generators
- Underground Storage Tanks
- Risk Management Program/California Accidental Release Prevention (CalARP)
- Aboveground Petroleum Storage
- Incident Response

Regulations

- Health & Safety Code Chapter 6.5 (Hazardous Waste)
- Health & Safety Code Chapter 6.95 (Business Plan)
- California Code of Regulations Title 19 (Business Plan)
- California Code of Regulations Title 22 (Hazardous Waste)
- Sacramento County Code Section 6.96.030 (Business Plan)
- Sacramento County Code Section 6.98.030 (Hazardous Waste)

CANNABIS FACILITIES

- ▶ Distributions
 - ▶ Packaging, dispensaries/collectives, brick & mortar deliveries
- ▶ Cultivations
 - ▶ Indoor grows only in Sac City
- ▶ Manufacturing
 - ▶ Carbon dioxide extraction, ethanol extraction, ethanol winterization
- ▶ Testing laboratories
 - ▶ Analytical 3rd party, on site QA/QC analyticals



CULTIVATORS

- ▶ Fertilizers
 - ▶ Mostly derived from coco- mild irritant, low risk hazard, reportable quantities(RQ), compostable
 - ▶ Soil cubes-Rockwool mostly, RQ, compostable
- ▶ Nutrient Additives-RQ
- ▶ Carbon Dioxide-RQ
- ▶ Pesticides-RQ
- ▶ Wastewater-pH(3-11) is non-hazardous, reusing, recycling, discharge permits
- ▶ Universal Waste-bulb wastes



ISOPROPYL

MANUFACTURERS -EXTRACTION

- Ethanol-RQ, reclamation of waste product, hazardous waste generation
- Carbon Dioxide-RQ
- Machinery-coolant oils waste generation
- Cannabis plant waste post:
 - Carbon Dioxide extraction-compostable
 - Ethanol extraction-Waste determination needed

MANUFACTURERS - POST PROCESSING

- ▶ Ethanol-RQ, reclamation of waste product, hazardous waste generation
- ▶ Ethanol Filters-hazardous waste generation
- ▶ Machinery-coolant oils waste generation
 - ▶ Ethanol extraction
- ▶ Lipid residue
- ▶ Paraffin wax by product
- ▶ Sesquiterpenes or any unusable terpenes

► Compressed Gases:

► Helium-RQ

► Hydrogen-RQ

► Nitrogen-RQ

► Hazardous Waste Generation

► Acetonitrile (RQ not
common)

► Methanol (RQ not
common)

► Nitric Acid Waste (Metals)

IDENTIFYING WASTES

- “WASTE” - HSC 25124 ‘any solid, liquid, semisolid, or contained gaseous discarded material’. 22 CCR 66261.2 ‘any discarded material of any form’. (See codes above for exclusions)
- “HAZARDOUS WASTE”- HSC 25117, 22 CCR 66260.10, ‘Pose a substantial present or potential hazard to human health or the environment’.

IDENTIFYING WASTES

- “WASTE DETERMINATION” – 22 CCR 66260.10. Four basic methods used to identify hazardous wastes:
 - Hazardous Waste Lists(Federal/RCRA or CA Listed)
 - SDS
 - Hazardous Waste Characteristics (corrosive, reactive, ignitable, toxic)
 - Laboratory Analysis

WASTE DETERMINATIONS

- ▶ Cannabis plant waste post:
 - ▶ Carbon Dioxide extraction-compostable
 - ▶ Ethanol extraction
- ▶ Lipid residue waste stream-post ethanol reclamation(filtration)
- ▶ Paraffin wax waste stream-post ethanol reclamation(distillation)
- ▶ Sesquiterpenes waste stream

WASTE DETERMINATIONS

- ▶ DTSC Fish Bioassay:
 - ▶ 96 Hour Test - Minnows/Trout
 - ▶ Failing within 24 Hours Due To BOD

- ▶ Generator Knowledge:
 - ▶ SDS Ecological Data
 - ▶ Peer Reviewed Articles on Ethanol* Toxicity
 - ▶ Organics Residual Test for solvents

WASTE HAULERS AND THE GENERATOR

- ▶ EPA ID Number: <https://dtsc.ca.gov/apply-for-hazardous-waste-epa-id-number/>
- ▶ VSQG: HSC 25218.5 and 25163(c) Self hauling regulations. Certain conditions must be followed.
 - ▶ HHW Information: <http://www.emd.saccounty.net/EMDFAQs/Pages/Disposeofhouseholdhazardouswaste.aspx>
- ▶ SQG's & LQG's must use a licensed transporter to haul their hazardous waste.
 - ▶ 22 CCR 13 66263.41;HSC 6.5 25163(a)
 - ▶ DTSC Licensed Transporter Database: <https://hwts.dtsc.ca.gov/transporters/>

Eric Sutton,
Program Lead
Environmental
Specialist III

Dennis Karidis
Supervisory
Environmental
Specialist

Heather Tanner
Enforcement
Environmental
Specialist III

Questions?

Natasha McClurg
Environmental
Specialist II

Jordan Zakaria
Environmental
Specialist II

cannabisemd@saccounty.net