UNDERSTANDING THE LARGE QUANTITY GENERATOR REQUIREMENTS

Compliance Notebook



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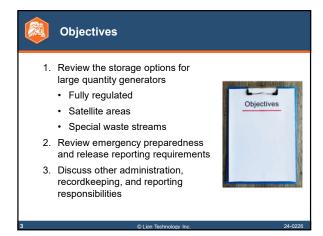
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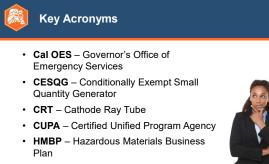
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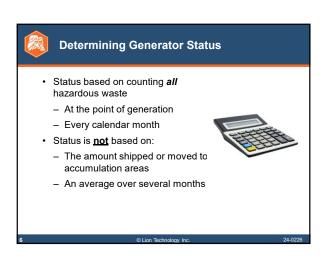
• LQG – Large Quantity Generator

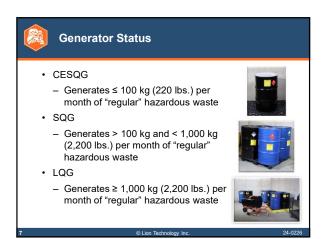
• SQG - Small Quantity Generator

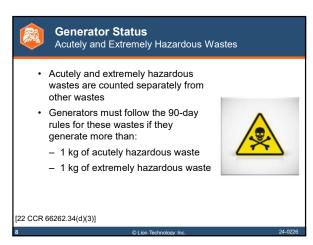
[22 CCR 66260.10]

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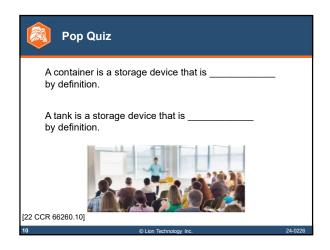


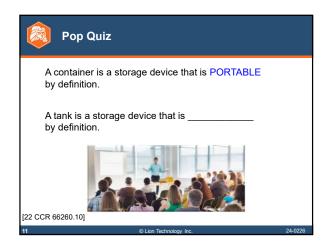


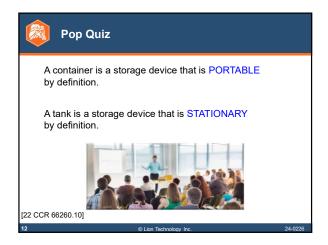
































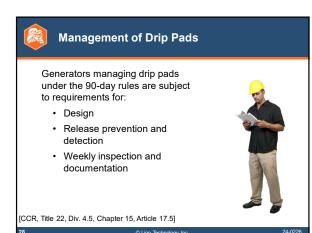




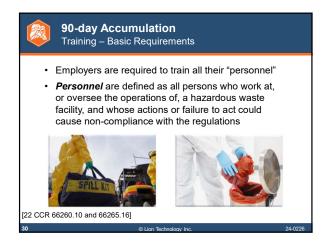














90-day Accumulation Training – Basic Requirements

90-day personnel must:

- Be trained by someone who has been trained in hazardous waste management procedures
- Receive training on specific job requirements and emergency procedures



[22 CCR 66262.34(a)(4) and 66265.16]

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90-day AccumulationTraining – Time Frame and Frequency

The regulations require:

- Initial training within six months of becoming personnel
- Direct supervision for untrained employees
- An annual review of initial training



[22 CCR 66262.34(a)(4) and 66265.16]

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90-day AccumulationTraining – Documentation and Retention

Training documents containing the following must be kept:

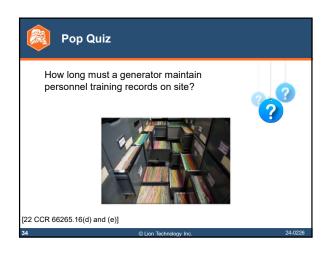
- Job title
- · Job description
- · Name of employee
- · Type and amount of training
- · Proof of training

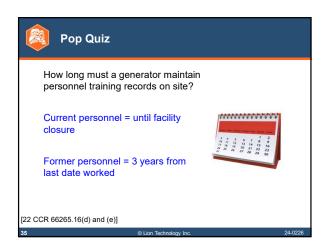


[22 CCR 66262.34(a)(4) and 66265.16]

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Basics of the Satellite Accumulation Rules

- Accumulate up to 55 gallons or 1 quart of acutely/extremely hazardous waste
- Store at or near point of generation, where waste initially accumulates, under control of operator
- · Use containers only



[22 CCR 66262.34(e)]

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Markings for Satellite Accumulation

All containers and tanks must be labeled or marked with:

- · Accumulation start date
- "Hazardous waste"
- Composition and physical state of waste
- · Statement of hazards
- Name and address of person producing the waste

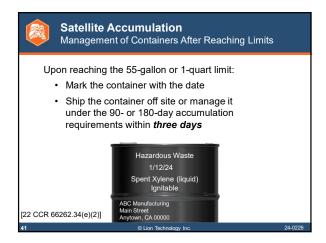
[22 CCR 66262.34(e)(1)(C) and (f)(3)]

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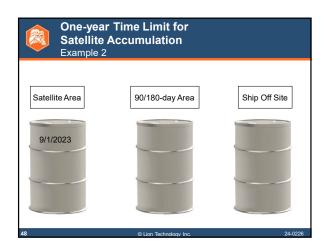
























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Relief from More Stringent Requirements

CalEPA does not require written training plans or formal documentation

- Generators need only assure that each person doing accumulation work knows their responsibilities
- Satellite personnel who move the satellite waste to the 90-/180-day accumulation areas are subject to those training requirements



[49 FR 49570, December 20, 1984 and 22 CCR 66262.34(e)]

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Laboratory Satellite Accumulation

Generators may accumulate up to 55 gallons of hazardous waste (or 1 quart of acutely or extremely hazardous waste) in a laboratory accumulation area that is located as close as is practical to the point of generation



[HSC §25200.3.1]

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Laboratory Satellite Accumulation

Conditions

In addition to all the other satellite accumulation rules:

- Accumulation area must be managed under the control of personnel who have been trained
- Unsupervised access to the area is limited to trained personnel
- Incompatible wastes are managed properly
- Amount of waste in the area must be appropriate for the space



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Universal WasteTypes of Universal Waste in California

- Batteries
- · Mercury-containing devices
- Lamps
- · Electronic devices
- · Cathode ray tubes
- · Cathode ray tube glass
- Photovoltaic modules
- Aerosol cans [HSC §25201.16]



[CCR, Title 22, Div. 4.5, Chapter 23]

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Recycling vs. Disposing of Universal Wastes

Batteries, thermostats, mercury-added novelties containing no liquid mercury, and mercury-containing flooring wastes may be sent to a destination facility for disposal



All other types of universal wastes must be recycled

[22 CCR 66273.31]

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Accumulating Universal Waste Batteries

- Batteries are not required to be placed in containers UNLESS they show evidence of leakage, spillage, etc.
- · Containers for batteries must:
 - Be closed
 - Be structurally sound
 - Be compatible
 - Lack evidence of breakage, spillage, etc.



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Accumulating Universal Waste Lamps

- Lamps must always be stored in closed containers
- Containers holding broken lamps must be designed to contain the mercury and other hazardous constituents

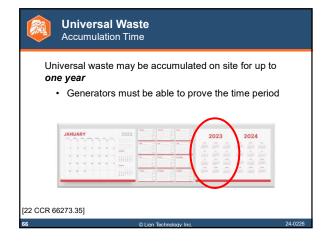


[22 CCR 66273.33(b)]

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Universal Waste Off-site Shipments

Universal waste is not required to be shipped on a Uniform Hazardous Waste Manifest

• The DOT may still require use of a shipping paper



[22 CCR 66273.38]

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Universal Waste Training

All personnel must be thoroughly familiar with waste management and emergency response procedures

 "Personnel" refers to anyone who consolidates, sorts, treats, recycles, packages for transport, offers for transport, or physically relocates containers of universal waste



[22 CCR 66273.36(a)]

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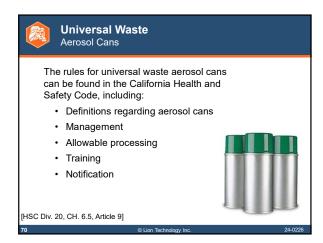
Universal Waste Training

- Training must be provided initially and annually thereafter
- Training materials must be in the form of any written media and dated
- Written training records must be kept for three years

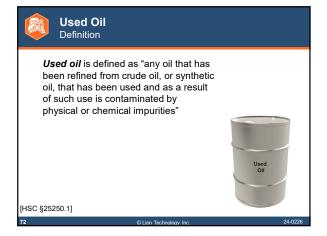


[22 CCR 66273.36]

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Regulation of Used Oil Under the Hazardous Waste Regulations

- Used oil is defined as a hazardous waste at HSC §25250.4(a) unless it meets a specific exclusion
- Used oil is a "recyclable hazardous waste" per 22 CCR 66266.1(a)
- Used oil must be managed in compliance with the requirements of CCR, Title 22, Div. 4.5, Chapter 12 (i.e., 90-day, 180-day, satellite accumulation rules)



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Managing Used Oil Labeling

Used oil containers and tanks must be labeled with:

- · "Used Oil"
- · "Hazardous Waste"
- · Accumulation start date
- Composition and physical state
- · Statement of hazards
- Name and address of generator

[22 CCR 66279.21]

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Requirements for Used Oil Filters

To be excluded from the hazardous waste regulations, used oil filters must:

- · Be drained of free-flowing oil
- · Be recycled
- Be stored and transferred properly
- · Be labeled properly
- · Follow storage time limits

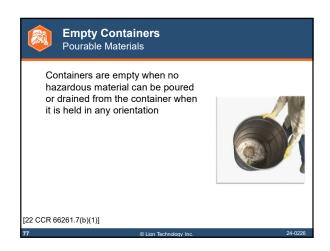


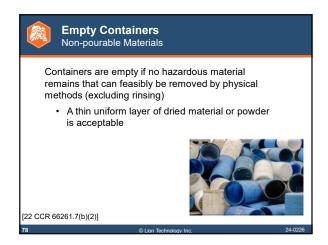
[22 CCR 66266.130]

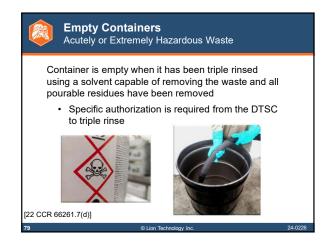
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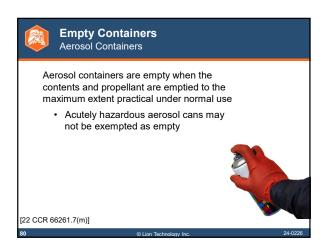
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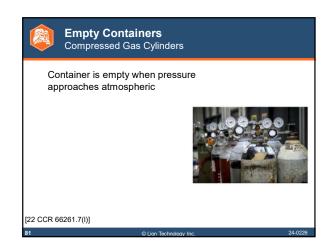




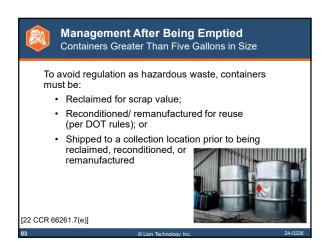




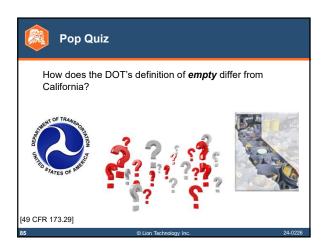


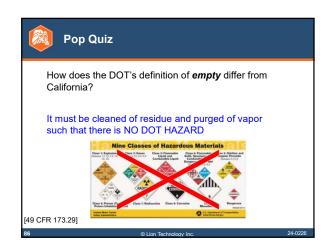




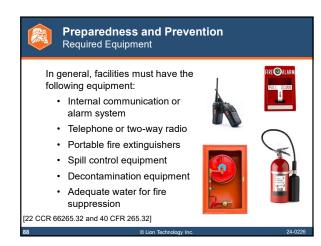


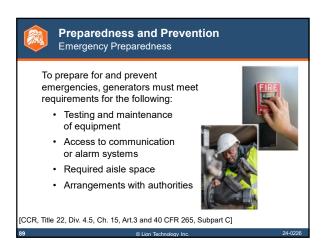


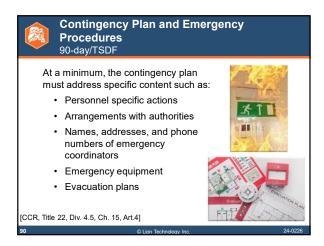














Contingency Plan and Emergency Procedures 90-day/TSDF

Generators must also comply with requirements for:

- · Distributing copies of the contingency plan
- · Amending the plan



[CCR, Title 22, Div. 4.5, Ch. 15, Art.4]

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Emergency Coordinators

There must be at least one emergency coordinator either at the facility or "on call" at all times



[22 CCR 66265.55]

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Responsibilities for Emergency Coordinators

Emergency coordinator must be familiar with:

- · All aspects of the plan
- · All operations and activities at the facility
- · Locations and characteristics of wastes handled



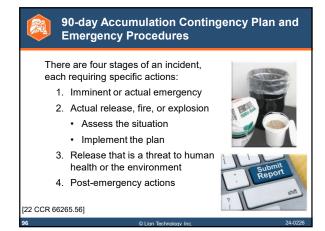
[22 CCR 66265.55]

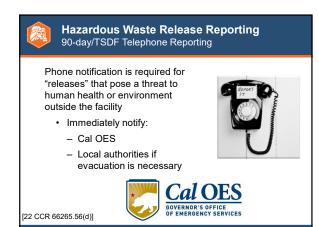
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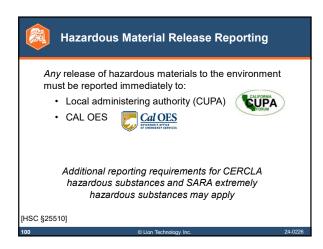


or State agency



[22 CCR 66265.56(j)]

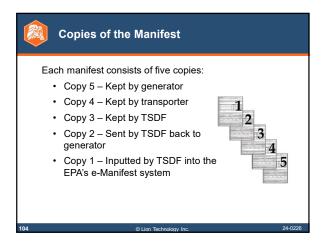


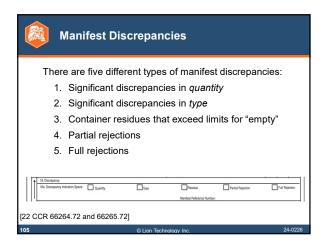














Significant Discrepancies: Quantity or Type Most Hazardous Wastes

- A significant discrepancy in quantity would be:
 - For bulk wastes, greater than 10% variation in weight
 - For batch wastes, any variation in piece count
- A significant discrepancy in type would be:
 - An obvious difference upon inspection or analysis



[22 CCR 66264.72(a) and 66265.72(a)]

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Required Actions for Discrepancies Most Hazardous Wastes

If a TSDF discovers a manifest discrepancy, the facility must:

- Attempt to reconcile the discrepancy with the generator
- Note the discrepancy in Item 18 of the manifest



If there's no reconciliation after **15 days**, the TSDF must notify the DTSC in writing

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Significant Discrepancies: Quantity or Type

Hazardous Wastes of Concern Definition

A hazardous waste of concern is a hazardous waste that meets any of the following DOT hazard divisions:

- Explosive Hazard Divisions 1.1, 1.2, or 1.3
- Poisonous liquid or solid Hazard Division 6.1, Packing Groups I or II
- Poisonous gas Hazard Division 2.3



Subject to special reporting requirements

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[22 CCR 66261.111]

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Significant Discrepancies: Quantity or Type Hazardous Wastes of Concern Definition

- A reportable *quantity* would be:
 - For bulk wastes, variations greater than 3% in weight
 - For containerized wastes, any variation in piece count
- A reportable difference in type would be:
 - An obvious difference upon inspection or analysis



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Required Actions for Discrepancies

Hazardous Wastes of Concern

If there is no reconciliation after 24 hours:

- TSDF must notify the DTSC immediately
- TSDF must report the discrepancy in writing to the DTSC within *five days*



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Rejected ShipmentsTSDFs Rejecting Shipments

If a facility rejects a shipment of hazardous waste, then the facility may forward the waste to another TSDF or return it to the generator

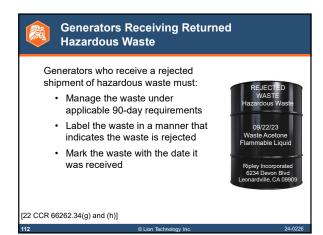
- TSDF amends or executes a new manifest for rejected shipment
- Manifests must be resubmitted to the state within 30 days

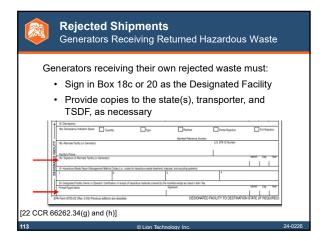


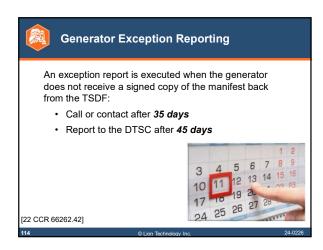
[22 CCR 66264.72(e)-(g)]

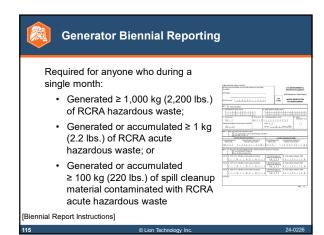
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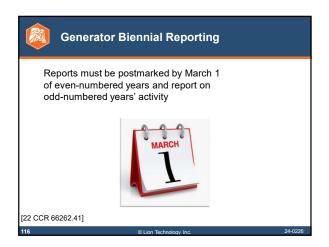
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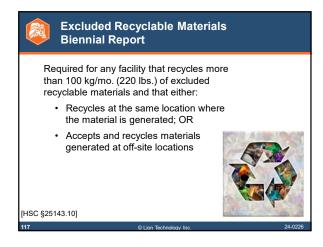














Universal Waste Notification Requirements

Required from anyone who intends to accept and accumulate, from *off-site sources*, universal waste:

- · Electronic devices
- CRTs
- CRT glass



Must be submitted at least **30 days** prior to accepting waste

[22 CCR 66273.32(c)]

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Universal Waste Annual Report Requirements

Required for anyone who in a calendar year either:

- Accepts > 100 kg (220 lbs.) of electronic devices, CRTs, or CRT glass from off site; OR
- Generates ≥ 5,000 kg (~ 200 CRTs) of electronic devices, CRTs, or CRT glass



Must be submitted by February 1

[22 CCR 66273.32(d)]

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Waste Minimization Reports

Required for generators who in a calendar year "routinely generate, through ongoing processes and operations":

- More than 12,000 kg of "regular" hazardous waste; OR
- More than 12 kg of extremely hazardous waste



[22 CCR 67100.2(a)]

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LDR Documentation Requirements

- LDR documentation must be created for any waste that had LDRs attached to it at the point of generation
 - There are many different types of LDR documentation
- LDR records must be kept for three years after the last time the waste was sent off site



[40 CFR 268.7(a)]

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