



HAZARDOUS MATERIALS AT MEDICAL/LABORATORY FACILITIES

W-M4

March 25th, 2025

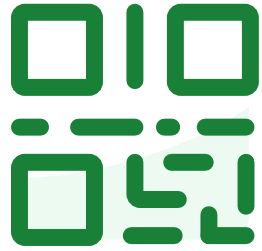
Ashley Acevedo, Karen Blanchard, David Ortega (Orange County CUPA)



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How much experience do you have with Medical/Laboratory regulations and inspections?

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Who attended the morning session of Hazardous Waste Streams in the Medical/Laboratory Setting?

① Start presenting to display the poll results on this slide.

Goal - Increase the quality and consistency of CUPA inspections in the Medical/Laboratory settings by:

- Focusing on departments/units/places of known HM Storage
- Becoming familiar with Hazardous Materials commonly found in these facilities
- Citing industry wide violations

Who is required to report?

HSC 25507

At any one time in the year, facilities handling hazardous materials in quantities exceeding disclosure thresholds of:

- ❑ ≥ 55 gallons liquids
- ❑ ≥ 500 pounds solids
- ❑ ≥ 200 cubic feet compressed gases



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Extremely Hazardous Substance

HSC 25507(a)(3)
25507(a)(1)(B)

If the material is an Extremely Hazardous Substance:

- All amounts shall be reported in pounds
- The amount reported is equal to, or greater than, the threshold planning quantity (listed in APPENDIX A & B, 40 CFR 355) or the quantity amount is 500 pounds, whichever is less

Common Examples:

Anhydrous ammonia used in refrigeration systems or chlorine gas used in wastewater treatment facilities



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Exemptions & Exclusions

Description	Reference
Irritant or Sensitizer	HSC 25507(a)(4)(A)
Combustible Metal or Metal Alloy	HSC 25507(a)(8)(A)(B) & (C)
Recycled Latex Paint	HSC 25507 (a)(4)(B) & 25217.2
Cryogenic, Refrigerant, and Compressed Gases	HSC 25507(a)(5)(A-E)
Refrigerant Gases for Cooling	HSC 25507(b)(1)
Compressed Air Used in Emergency Response	HSC 25507(b)(2)
Lubricating Oil: Motor, Hydraulic, ATF, Gear	HSC 25507(b)(3)(A)
Fluid in a Hydraulic System or Oil-Filled Electrical Equipment	HSC 25507(b)(4)(A)&(B)
Consumer Products Containing Hazardous Material	HSC 25507(b)(5)
Propane	HSC 25507(b)(6)
Farms	HSC 25507.1
Unstaffed Remote Facilities	HSC 25507.2

Cryogenic, Refrigerant, or Compressed Gases

HSC 25507(a)(5)(A-E)

Handling any of the following in a quantity of 1,000 cubic feet or more:

- ❑ (A) Gases with primary hazard of simple asphyxiation or release of pressure
(Non-enriched Air, Argon, Helium, Krypton, Neon, Nitrogen, Xenon)
- ❑ (B) Oxygen, Nitrogen, and Nitrous Oxide maintained by a physician, dentist, podiatrist, veterinarian, pharmacist, or emergency medical service provider
- ❑ (C) Carbon Dioxide
- ❑ (D) Nonflammable refrigerant gases used in refrigeration systems
- ❑ (E) Gases used in closed fire suppression systems

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Fire Suppression Systems

Gases used in closed-loop fire suppression systems

- Common gases used in place of water to suppress fires = nitrogen, helium, neon, krypton, or xenon

Disclosable at 1,000 cubic feet!



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Nonflammable Refrigerant Gases Used in Refrigeration Systems

Nonflammable refrigerant gases as defined in California Fire Code, that are used in refrigeration systems

Disclosable at 1,000 cubic feet!



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Does your jurisdiction require the HMBP disclosure of all radioactive materials at a facility?



Know Your Agency!

Agencies may have local ordinances, which may outline different requirements for the HMBP



Check your local agency website

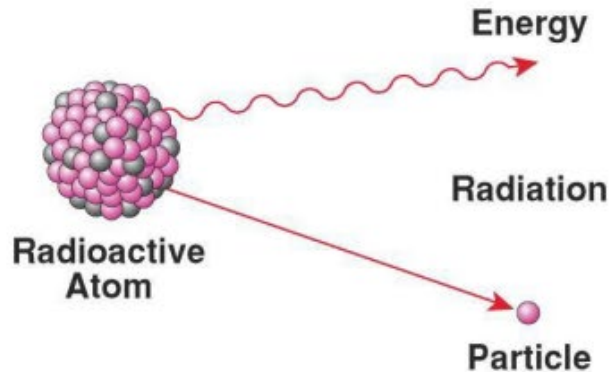


Contact your local inspector

Radioactive Materials?

Handling at any one time during the reporting year in a quantity pursuant to:

Schedule C of Part 30, Part 40, or Part 70 of Chapter I of Title 10 CFR



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Inspection Preparation

- CERS Review
- Compliance History
- Program Eligibility




















Inspection Walkthrough

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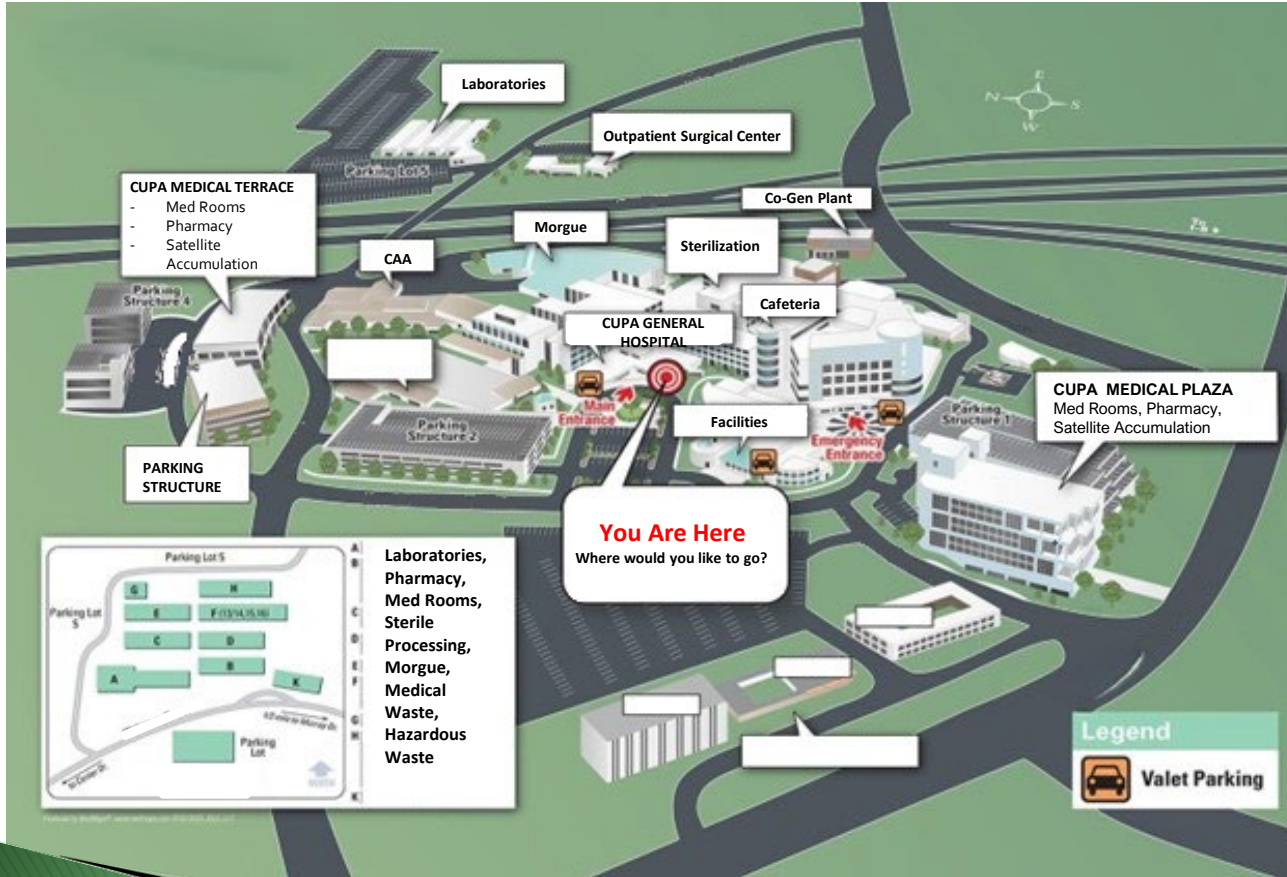


Complex Facilities

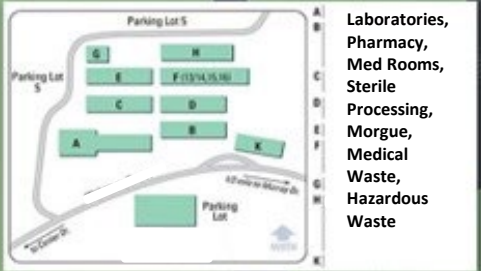
- Hospitals
- Diagnostic Centers
- Veterinary Hospitals
- Biomedical Device Manufacturing/R&D Facilities

	Common Name	CAS	Location	Max Daily Amount
View	Diesel fuel 	68476-34-6	By loading dock	19,000 gallons
View	Liquid oxygen 	7782-44-7	Adjacent to boiler room	4,500 gallons
View	Sulfuric Acid  	7664-93-9	Adjacent to boiler room	160 gallons
View	Nitrous Oxide 	10024-97-2	Bottled gas storage room, other locations	4,889 cubic feet
View	Lung Diffusion mix 		Various locations	800 cubic feet
View	Oxygen gas 	7782-44-7	Various locations	1,750 cubic feet
View	Nitrogen 	7727-37-0	Bottled gas storage room	1,530 cubic feet
View	Boiler Treatment EA 810 		Boiler Room	110 gallons
View	Boiler Treatment EA 360 		Boiler Room	55 gallons
View	Carbon Dioxide 	124-38-9	Bottle gas storage room	3,496 cubic feet
View	Helium Gas 	7440-59-7	Mechanical Plant	1,200 cubic feet
View	Helium 	70356-00-2	Mechanical Plant	1,800 cubic feet
View	Cooling Tower Water Treatment 		Bottle gas storage room	55 gallons
View	Compress Air 		Mechanical Plant	3,000 cubic feet
View	Argon-37 	13994-71-3	By cooling Tower	1,055 cubic feet
View	Carbon Dioxide 	124-38-9	Mechanical Plant	2,500 cubic feet

Welcome to CUPA GENERAL HOSPITAL



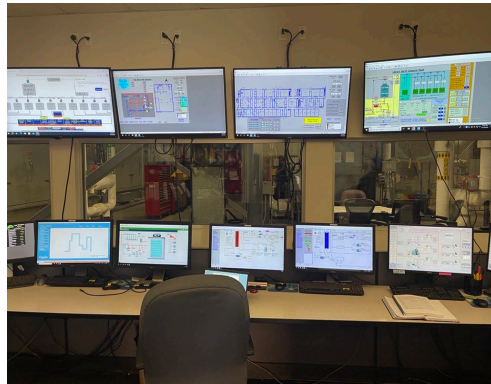
- Co-Gen Plants
- Tank Farms – Gas Storage
- Morgues/Coroners
- Central Supply
- Sterilization Room
- Imaging Center
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Co-Gen Plant & Facilities




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USTs & Back Up Generators

Hazardous Materials Inventory (2)

Submitted Jan, 29, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Unleaded gasoline 	86290-81-5	under ground	24,000 gallons
View	Diesel Fuel No. 2 	68476-34-6	under ground	10,000 gallons



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Belly Tank Back Up Generators



Hazardous Materials Inventory (3)

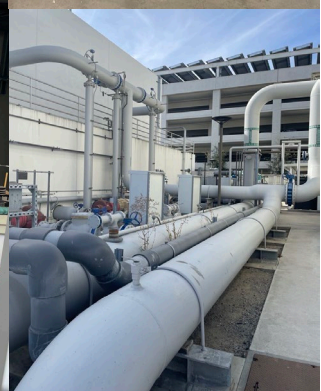
Certified Feb. 9, 2024

	Common Name	CAS	Location	Max Daily Amount
View	Oxygen	7782-44-7	Medical gas enclosure room, accessible only from outside	7,328 cubic feet
View	Nitrous Oxide Pure	10024-97-2	Medical gas enclosure room, accessible only from outside	7,980 cubic feet
View	Diesel #2 Red	68476-34-6	Under generator, accessible only from outside, in generator cage	366 gallons

[HMIS Matrix Report](#)

[Export To Excel](#)

Cooling Tower, Boiler Room & Chillers



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Boiler Room

- Oxygen Scavenger
- Boiler Alkalinity Builders
- Amines
- Scale Prevention
- Chemical Additives
- Used Oil
- New Motor/Lubricating Oil
- Acetylene
- LPG

Boiler Room



Cooling Towers & Chillers

- Scale inhibitors
- Corrosion inhibitors
- Biocides
- pH adjusters
- Anti-foaming agents
- Dispersant
- Oxidizing Agents
- Refrigerants















Cooling Towers & Chillers



Cooling Tower, Boiler Room & Chillers

Hazardous Materials Inventory (14)



Accepted Mar. 4, 2025

	Common Name ↑	CAS	Location	Max Daily Amount
View	Amber 305 Diesel Fuel 	68334-30-5	West of Central Plant	10,000 gallons
View	Boiler Feed water O2 Scavenger 	7681-57-4	power plant	55 gallons
View	Boiler water treatment product 		Power plant	55 gallons
View	Diesel Fuel No. 2 	68476-34-6	West side and east side of Central Plant	7,250 gallons
View	EA 179M 	2809-21-4	power plant	70 gallons
View	EA 223T 	1310-58-3	power plant	60 gallons
View	EA 641 	7681-57-4	power plant	70 gallons
View	EA 870 	108-91-8	power plant	70 gallons
View	Floor Cleaner 		Environmental Services storage room	96 gallons
View	lithium bromide 		power plant	500 gallons
View	Nitrous Oxide 	10024-97-2	Next to Central Plants	11,706 cubic feet
View	Oxygen, Liquid 	7782-44-7	Next to Central Plants	5,525 gallons
View	phosphates for boiler by EAI 		power plant	55 gallons
View	Propane 	74-98-6	Parking Structure storage area	55 gallons

EMS Communication Towers

Hazardous Materials Inventory (2)

Accepted Mar. 3, 2025





	Common Name	CAS	Location	Max Daily Amount
View	Diesel Fuel No. 2 	68476-34-6	ON SITE COMPOUND, OUTSIDE	200 gallons
View	Lead Acid Batteries 	N/A	Inside cell site.	61 gallons

[HMIS Matrix Report](#) [Export To Excel](#)

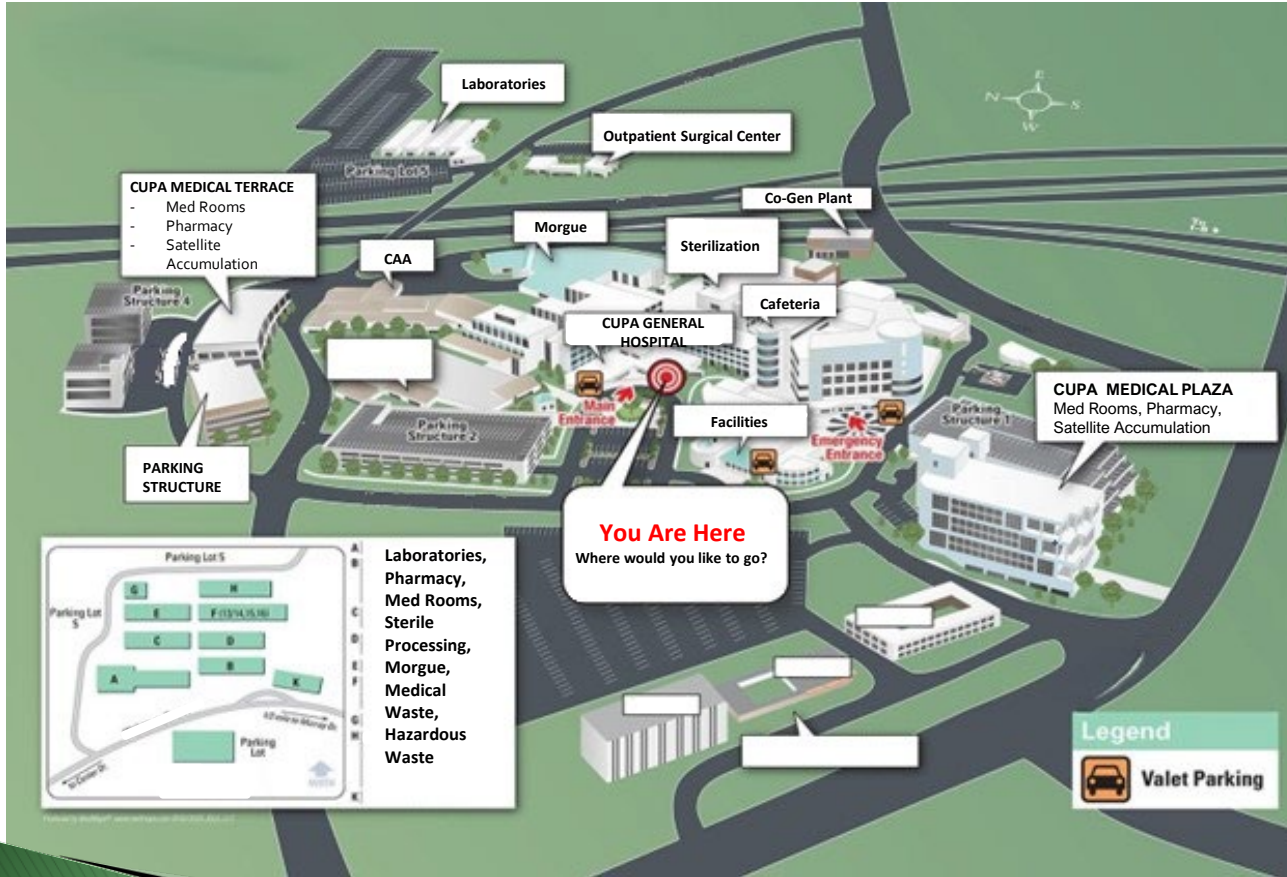
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Hazardous Materials Inventory (4)

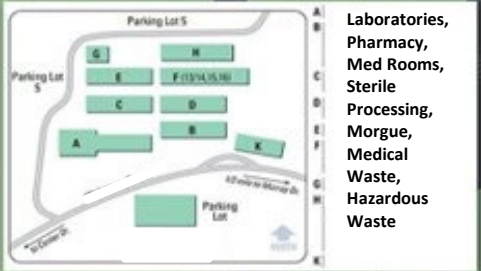
Submitted Feb. 26, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Propane 	91052-96-9	In front of EOC building next to water tank.	550 gallons
View	Lead Acid Batteries 	7664-93-9	Room next to Generator	1,250 pounds
View	FM200 Fire Suppressant 	2252-84-8	Inside EOC Building	2,991.3 cubic feet
View	Diesel 	68476-30-2	UST & AST Behind the EOC building	20,000 gallons

Welcome to CUPA GENERAL HOSPITAL



- Co-Gen Plants
- Tank Farms – Gas Storage
- Morgues/Coroners
- Central Supply
- Sterilization Room
- Imaging Center
- Central Accumulation Area (CAA)
- Facilities
- USTs



You Are Here
Where would you like to go?

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Tank Farms – Medical Air & Gas Storage

- Oxygen – Liquid and Gas
- Nitrogen – Liquid and Gas
- Helium
- Argon
- Carbon Dioxide
- Nitrous Oxide
- Mixed gases - Hydrogen in Carbon dioxide/Helium/Nitrogen/Oxygen or Air mixture (Flammable gas), Methane/Argon, Methane/ Helium
- Compressed Air
- Krypton – Rare used for Imaging

Tank Farms – Medical Air & Gas Storage

Hazardous Materials Inventory (7)

Accepted Feb. 3, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Oxygen 	7782-44-7	The Bulk Oxygen area on NE Corner of Parking area.	8,500 gallons
View	Diesel Fuel 	68334-30-5	Outside - Located near the back-up generator	4,000 gallons
View	Nitrogen Gas 	7727-37-9	The Compressed Gas Cage located by the loading area	3,220 cubic feet
View	Carbon Dioxide 	124-38-9	The Compressed Gas Cage located by the loading area	1,000 cubic feet
View	Nitrous Oxide 	10024-97-2	The Compressed Gas Cage located by the loading area	3,500 cubic feet
View	Compressed Air 	132259-10-0	The Compressed Gas Cage located by the loading area	1,652 cubic feet
View	Oxygen Gas 	7782-44-7	The Compressed Gas Cage located by the loading area	4,125 cubic feet

Tank Farms – Medical Air & Gas Storage



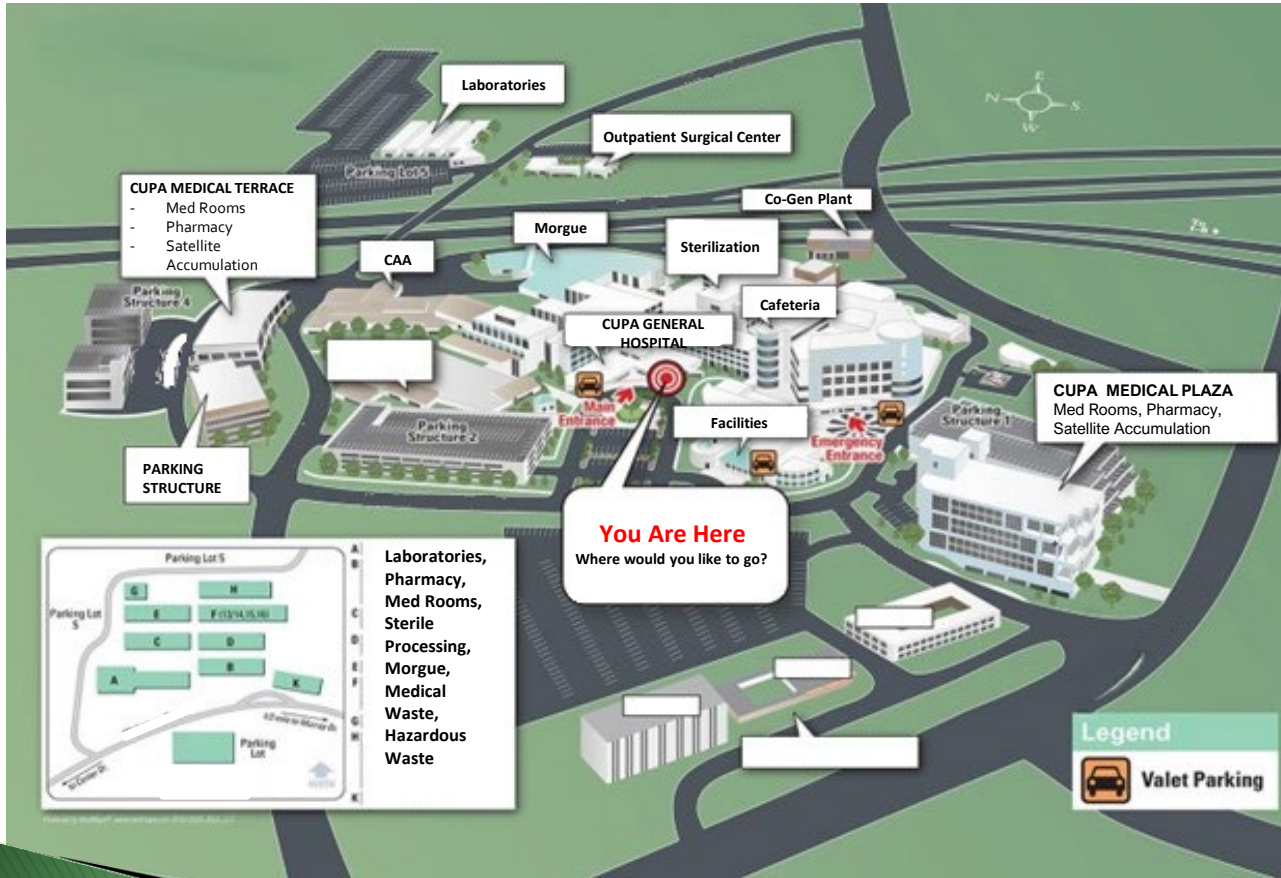
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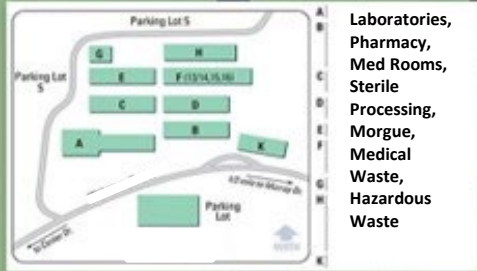
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SLIDO










What disclosable Hazardous Materials would you expect to see in a Morgue or Coroner's Office?

Morgues/ Coroner's

Hazardous Materials Inventory (2)				Submitted Feb. 25, 2025
	Common Name	CAS	Location	Max Daily Amount
View	Diesel Fuel 	68476-30-2	Outside of building, inside of enclosed generator area.	1,078 gallons
View	FORMALDEHYDE 	50-00-0	OPERATING ROOM STORAGE CLOSET	646 pounds

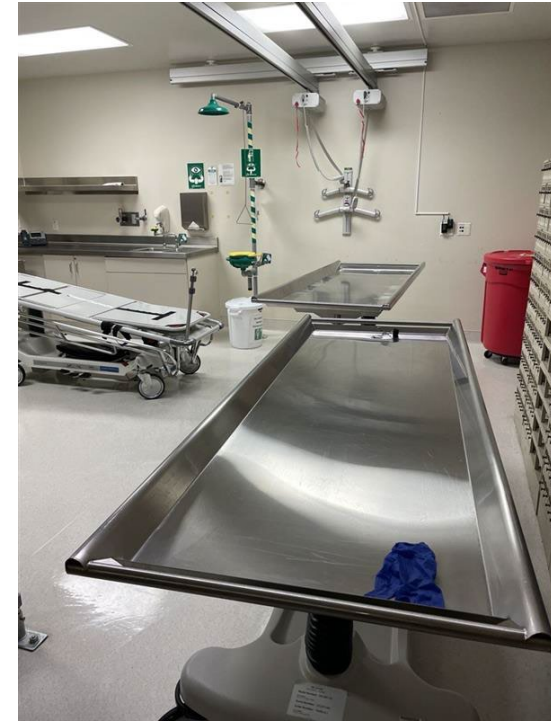
[HMIS Matrix Report](#)
[Export To Excel](#)

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Hazardous Materials Inventory (9)				Submitted Feb. 20, 2025
	Common Name	CAS	Location	Max Daily Amount
View	Helium 	7440-59-7	Warehouse; Room 619; Room 623; Room 808; Room 832	6,600 cubic feet
View	Liquid Nitrogen 	7727-37-9	Warehouse; Room 623; Room 808; Room 830, Room 832	1,792 gallons
View	Refrigerant (407A) 	75-10-5	Room 719; B122	150 gallons
View	Diesel Fuel 	68334-30-5	UST; Rooftop Day Use Tank	1,560 gallons
View	Nitrogen Gas 	7727-37-9	Warehouse; Room 619; Room 719; Room 832	8,400 cubic feet
View	Argon Compressed 	7440-37-1	Room 808	1,200 cubic feet
View	Methyl Alcohol 	67-56-1	Room 623, Room 725, Room 808	86 gallons
View	Methyl Cyanide 	75-05-8	Room 623, Room 808	86 gallons
View	Waste/Spent Chemicals - Acetonitrile, Isopropanol, Methanol, and Formic Acid 		Room 808	120 gallons

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Morgues



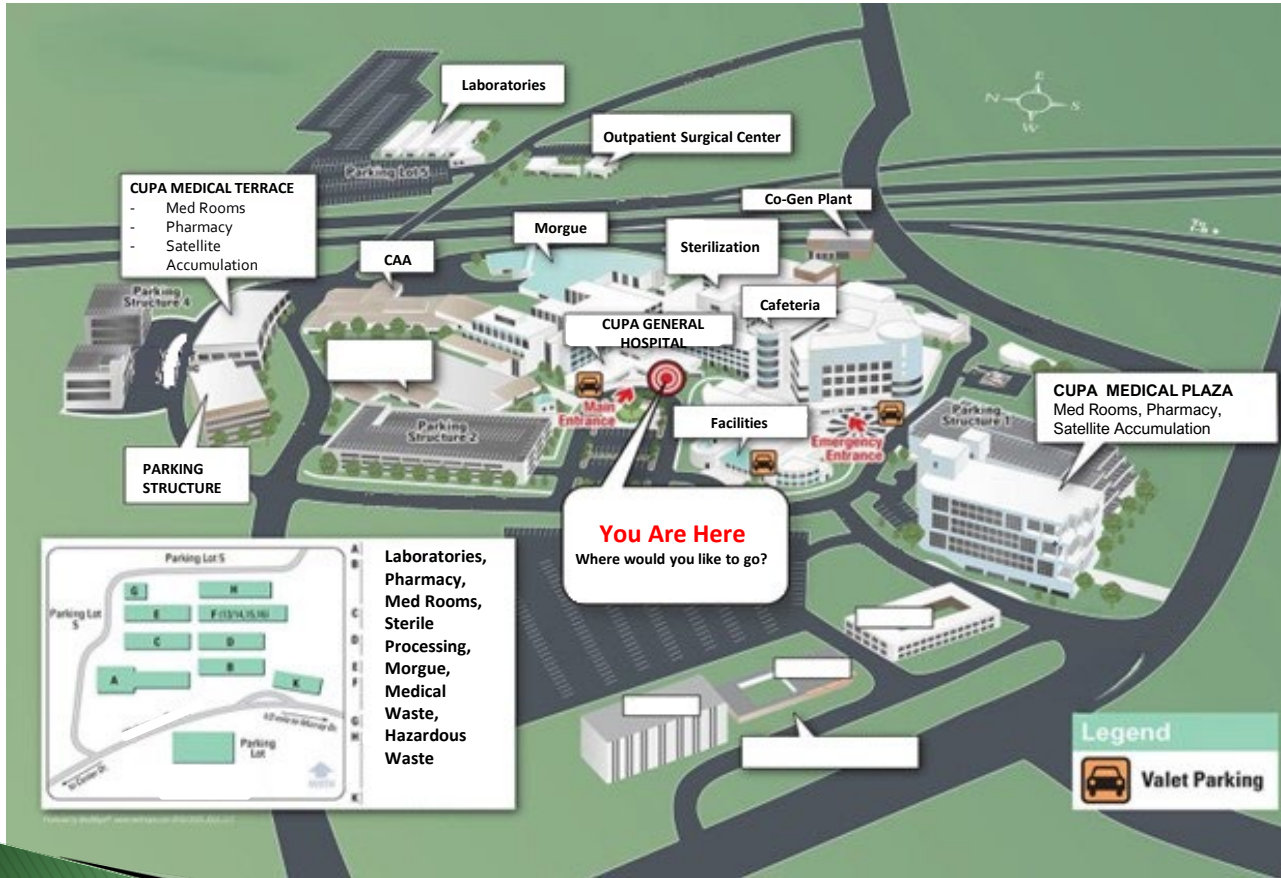
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Coroner's Office



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- Sterilization Room
- Imaging Center
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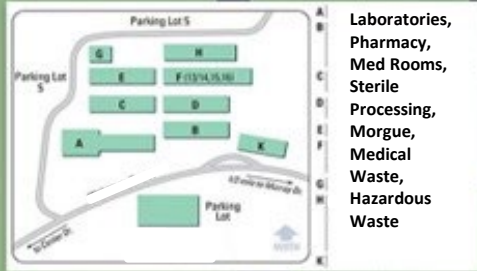
Central Supply

- Cleaning Supplies – Floor cleaners, disinfectants
- Laboratory solvents: Xylene, Alcohol, Methanol, 10% Buffered Formalin

Welcome to CUPA GENERAL HOSPITAL



- Co-Gen Plants
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- Morgues/Coroners
- Central Supply
- **Sterilization Room**
- Imaging Center
- Central Accumulation Area (CAA)
- Facilities
- USTs



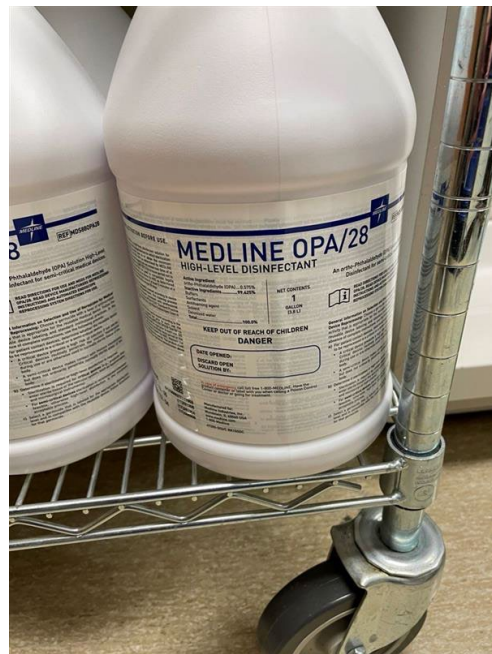
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Sterilization

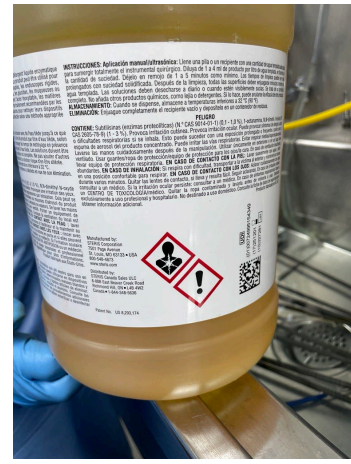
- Cidex
- OPA
- Liquid nitrogen
- Acecide C
- Revital OX
- Compounding Room Pre-Empt Concentrate
- Prolystica Enzymatic Presoak
- Cleaners that are 2x Concentrate
- Rapticde Pa – Part A and B

Sterilization








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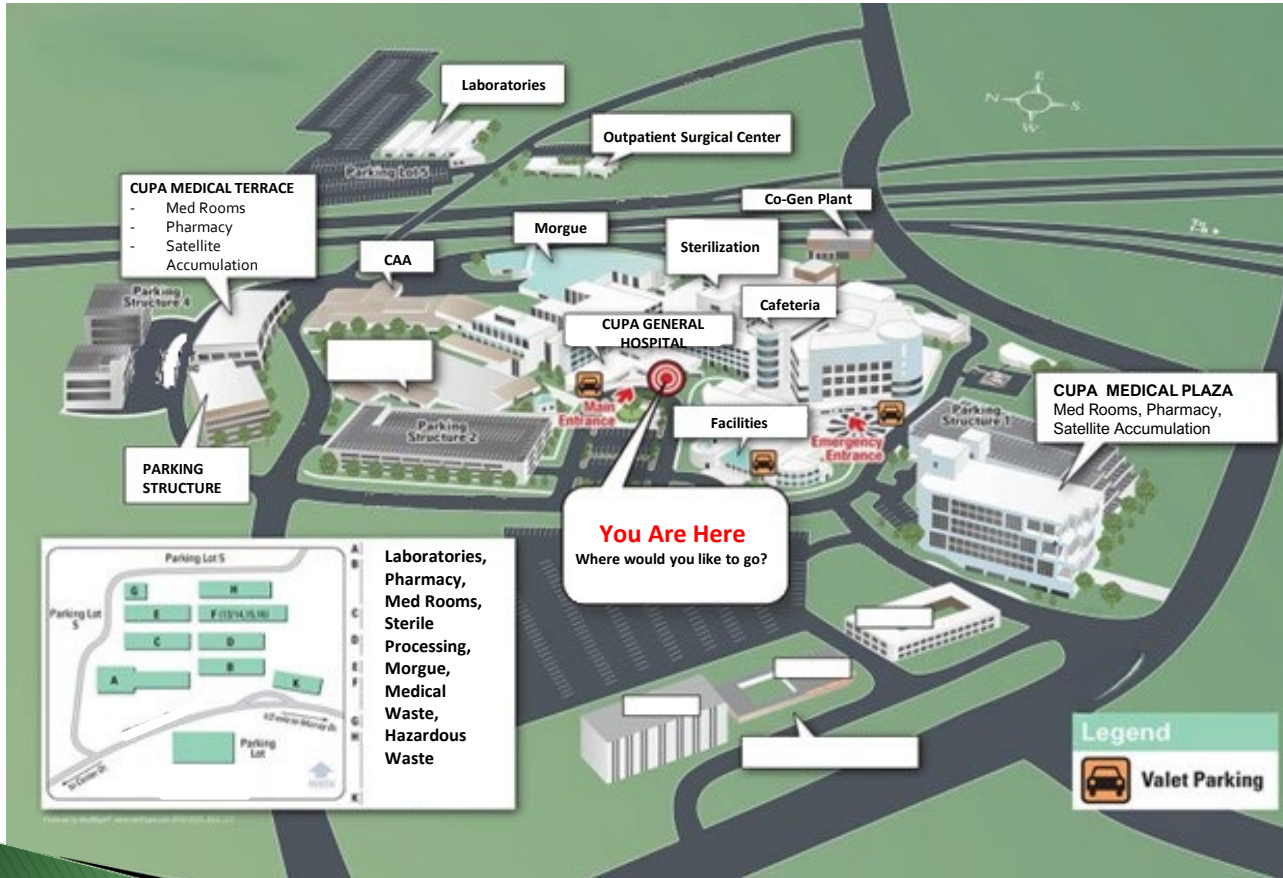
Sterilization



Sterilization

View	Isopropyl alcohol 70% 	67-63-0	STERILE PROCESSING DEPARTMENT	12 gallons
View	RAPICIDE PA 	7722-84-1	STERILE PROCESSING DEPARTMENT	5 gallons
View	CIDEX OPA 	643-79-8	STERILE PROCESSING DEPARTMENT	5 gallons
View	Waste Rapicide B 		see site map	100 pounds
View	Waste Rapicide A 		see site map	100 pounds

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- **Imaging Center**
- Wound Care
- Eye Surgery
- Central Accumulation Area (CAA)
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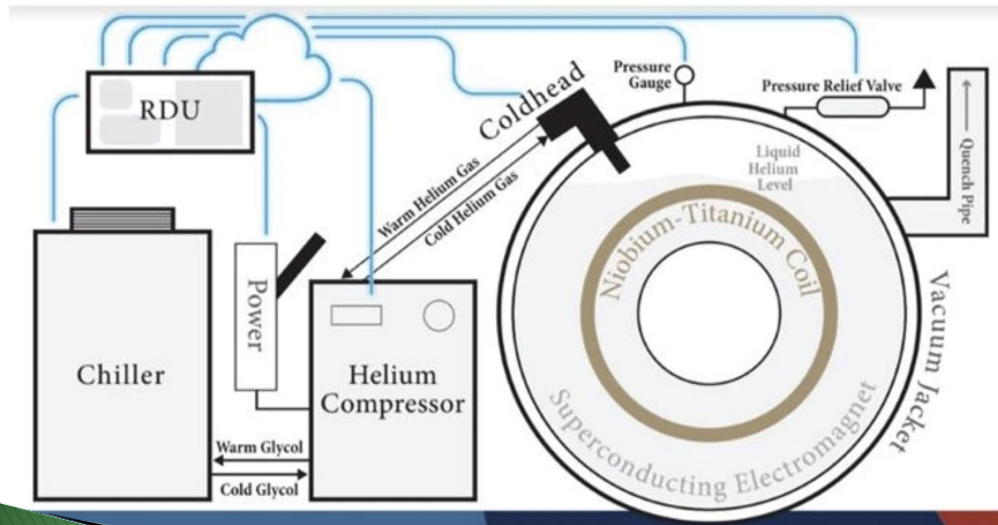
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Imaging

Hazardous Materials Inventory (1)

Submitted Feb. 21, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Helium - Liquid 	7440-59-7	First Floor, MRI Rooms	554.76 gallons

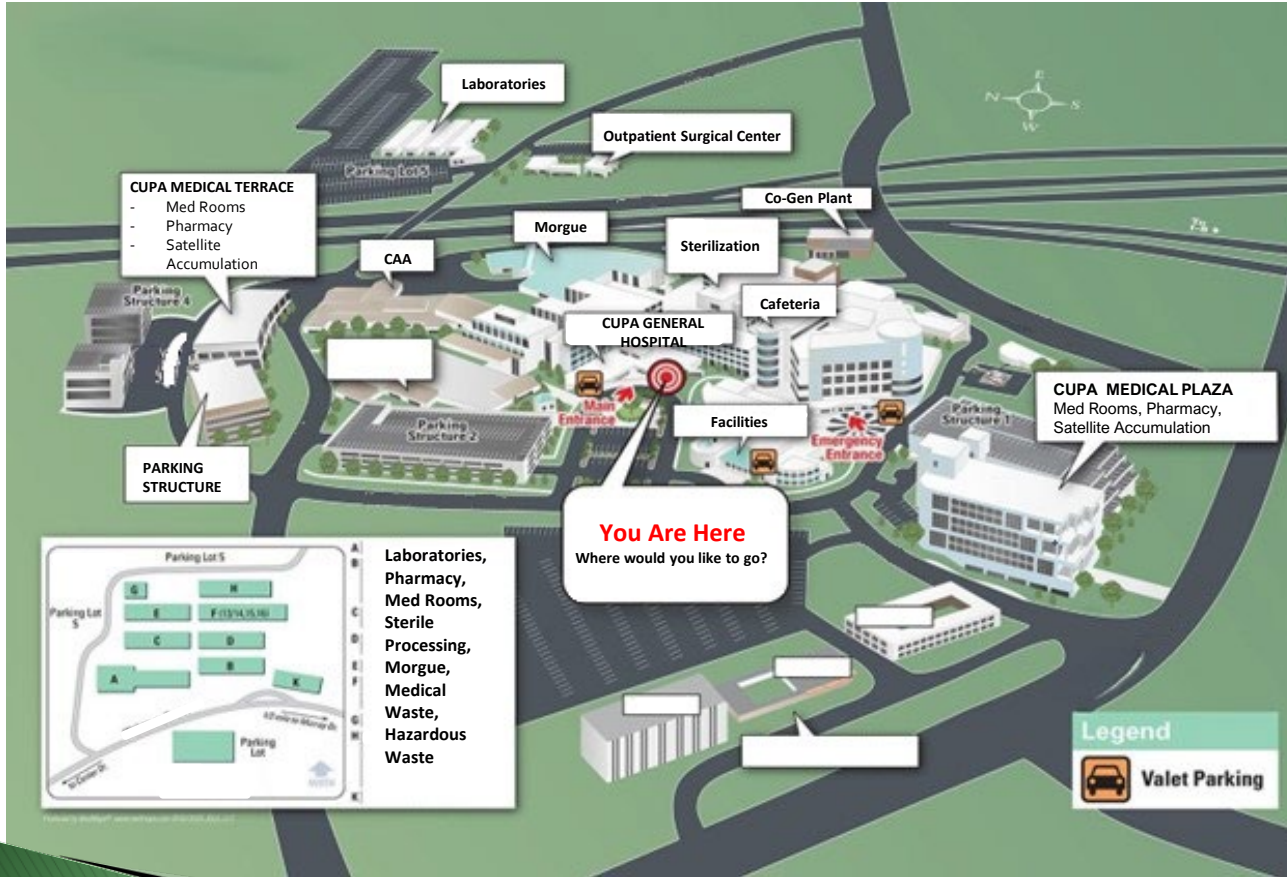


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Imaging/Radiology



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Wound Care

Hazardous Materials Inventory (2)

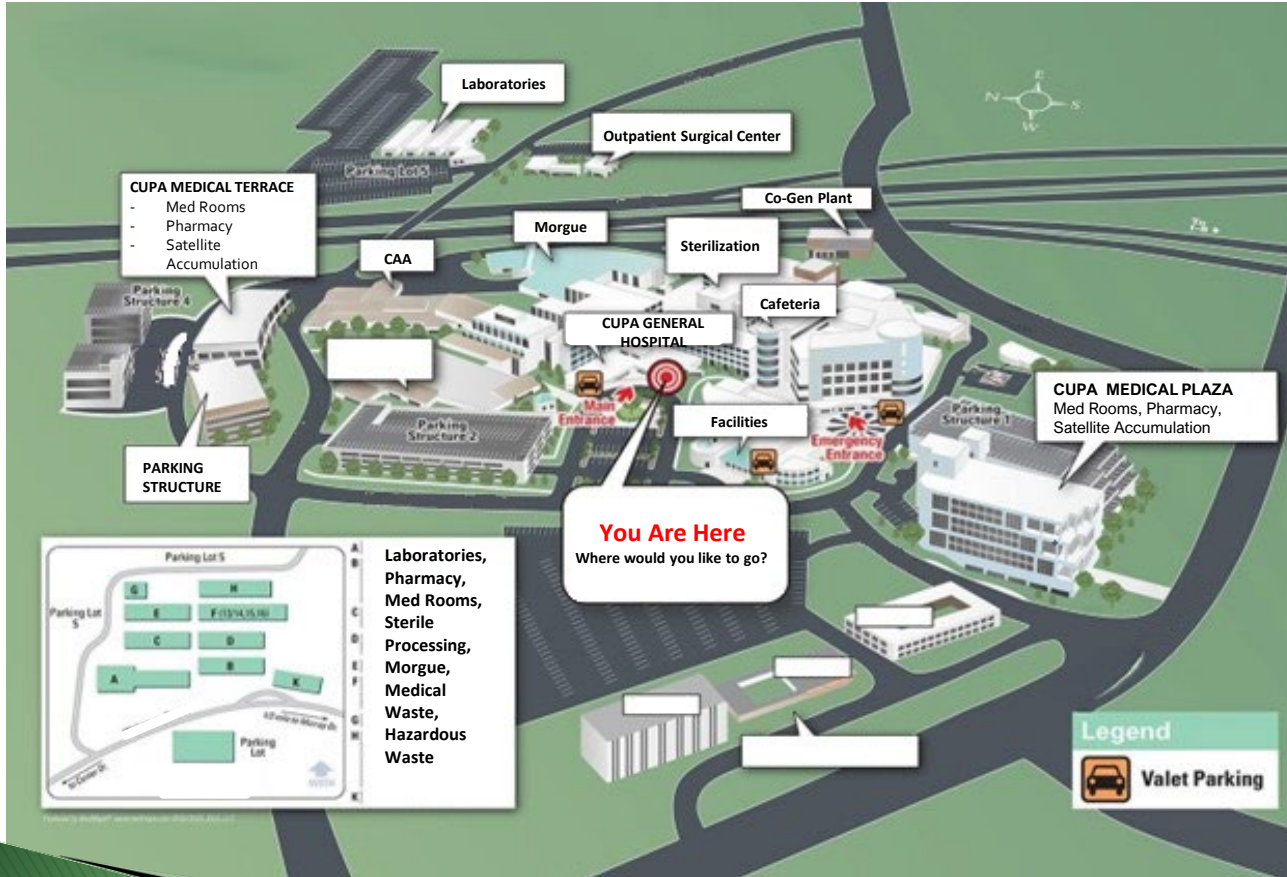
Submitted Feb. 28, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Oxygen - Liquid 	7782-44-7		3,000 gallons
View	Oxygen - Gas 	7782-44-7		2,400 cubic feet

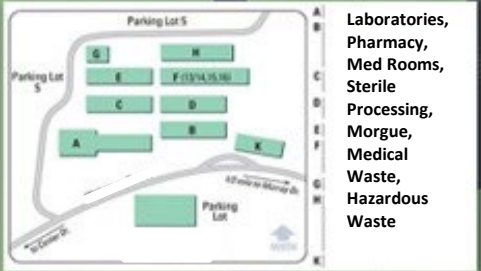


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- **Eye Surgery**
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- Fertility






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Eye Surgery Centers




Hazardous Materials Inventory (3)

Not Accepted Oct. 25, 2022

	Common Name	CAS	Location	Max Daily Amount
View	WASTE 902 INFECTIOUS WASTE, SHARPS 		Operating Room	10 pounds
View	FLUORINE IN ARGON MIXTURE 	7782-41-4	Operating Room	2,000 cubic feet
View	Non RCRA Pharmaceutical Waste 		Locked Cabinet by Technician Area	10 pounds

Hazardous Materials Inventory (3)

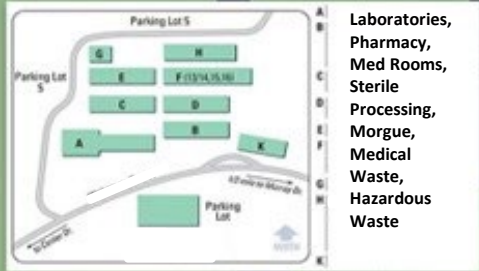
Not Applicable Feb. 27, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Diff quick stain 		Inside	0.13 gallons
View	Oxygen Tank 	7782-44-7	Inside building in oxygen storage area	774 cubic feet
View	Nitrous Oxide 	10024-97-2	Surgery	48 cubic feet

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- **Fertility**








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Fertility Centers

Hazardous Materials Inventory (5)





Certified Jan. 14, 2025

	Common Name	CAS	Location	Max Daily Amount
View	gas mixture carbon dioxide, nitrogen, oxygen 		hallway	2,652 cubic feet
View	Nitrogen Gas 	7727-37-9	hallway	1,840 cubic feet
View	Carbon Dioxide 	124-38-9	hallway	2,830 cubic feet
View	Diesel Fuel No. 2 	68476-34-6	outside building in parking area	86 gallons
View	Oxygen Gas 	7782-44-7	hallway	2,008 cubic feet

Dialysis Centers






Hazardous Materials Inventory (4)

Submitted Jan. 29, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Granuflo Mixed Acid 	000064-19-7	RO Room	600 gallons
View	Bicarbonate 	71-52-3	RO Room	1,960 pounds
View	Salt Pellets 		RO Room	600 pounds
View	Granuflo Acid Powder - Dry Acid Concentrate 		Storage Room	2,000 pounds

Hazardous Materials Inventory (5)

Accepted Feb. 24, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Naturalyte 		Water Room	110 gallons
View	Citrasate Dry 		storage area	4,800 pounds
View	Acid Solution 		RO Water Room	360 gallons
View	BiBag Bicarb 	144-55-8	Storage Room	3,000 pounds
View	Sodium Chloride 	7647-14-5	Storage Room	493 gallons

BREAK TIME!



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SLIDO


What is most UNUSUAL medical/laboratory facility you have inspected?

Don't Forget About These....

Crematorium

Hazardous Materials Inventory (1)

Accepted Feb. 3, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Carbon Dioxide 	124-38-9	Back of Only Cremations NB Building	3,078 cubic feet





Acute Care Facilities

- Skilled Nursing Facilities
- Rehabilitation Centers
- Memory Care Centers

Hazardous Materials Inventory (2)

Certified Feb. 14, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Diesel Fuel No. 2 	68476-34-6	140 gallons	140 gallons
View	Oxygen Gas 	7782-44-7	In facility, outdoor storage	5,379 cubic feet

Large Animal Hospitals

Hazardous Materials Inventory (3)







Accepted Aug. 29, 2022

	Common Name	CAS	Location	Max Daily Amount
View	White Mineral Oil 	8042-47-5	Feed Room	55 gallons
View	Nitrous Oxide 	10024-97-2	Box Stall in Barn	350 cubic feet
View	Oxygen Gas 	7782-44-7	Surgery Room	200 cubic feet

Biomedical/R&D

Hazardous Materials Inventory (6)








Submitted Feb. 26, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Nitrogen Gas 	7727-37-9	Room 158	230 cubic feet
View	Flammable Solvent Waste 		Room 145A	60 gallons
View	Corrosive Acid Waste 		Room 145A	110 gallons
View	Isopropyl Alcohol 	67-63-0	Room 132	140 gallons
View	Hexane 	110-54-3	Room 132	65 gallons
View	Nitrogen Gas 	7727-37-9		304 cubic feet

Reverse Logistics

Hazardous Materials Inventory (7)

Not Accepted Mar. 10, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Non-RCRA toxics OTC's 		Southwest corner of building	16,000 pounds
View	Flammable solids (mix retail waste) 		Southwest corner of building	2,145 pounds
View	Non-RCRA state regulated toxics soaps 		Southwest corner of building	3,000 gallons
View	Flammable liquids (mix retail waste) 		Southwest corner of building	576 gallons
View	Flammable Aerosol (mix retail waste) 		Southwest corner	144 cubic feet
View	Bleach - household 	7681-52-9	southwest corner	1,000 gallons
View	Electrolyte/sulfuric Acid 	7664-93-9	Forklift Batteries	2,581 pounds

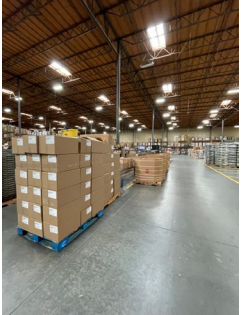
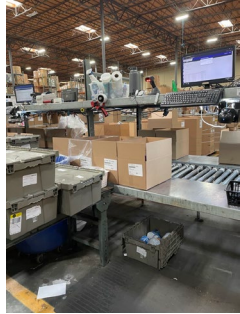
HMIS Matrix Report

[Export To Excel](#)

◀ ◁ 1 ▷ ▶ items per page

1 - 7 of 7 items

Reverse Logistics

















California Unified Program
Training Conference
March 24-27, 2025

Large Campus Diagnostic Facilities


Hazardous Materials Inventory (14)

Submitted Mar. 1, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Carbon Dioxide 	124-38-9	Service Yard	9,600 cubic feet
View	Hydrogen gas 	1333-74-0	Service Yard	618 cubic feet
View	Clinical Blood Gas Mixture 	Multiple CAS #	Room 124 Microbiology and Service Yard B	1,980 cubic feet
View	Helium 	7440-59-7	Service Yard, Room 219, 223	3,800 cubic feet
View	Carbon Dioxide 	124-38-9	Service Yard	715 gallons
View	Nitrogen gas 	7727-37-9	Service Yard	3,300 cubic feet
View	Methanol 	67-56-1	Upstairs Building B	136 gallons
View	Diesel fuel 	68476-34-6	Service Yard, Central Plant	5,190 gallons
View	Dry Ice 	124-38-9	Service Yard	1,400 pounds
View	Liquid Argon 	7440-37-1	Service Yard	400 gallons
View	Compressed Natural Gas 	74-82-8		20 pounds
View	Acetonitrile 	75-05-8	Upstairs Building B	75 gallons
View	Liquid Nitrogen 	7727-37-9	Service Yard	9,000 gallons
View	AC-300 Cooling Tower Antiscalant 		Central Plant	1 gallons

[HMIS Matrix Report](#)

[Export To Excel](#)


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1 - 14 of 14 items


















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 March 24-27, 2025**

Large Campus Diagnostic Facilities

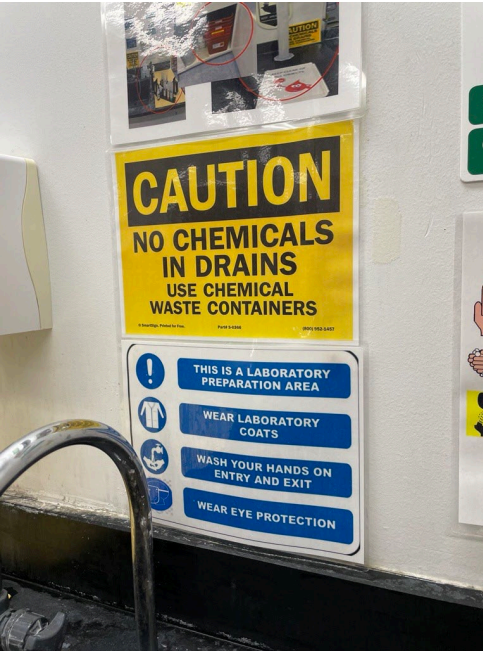
Hazardous Materials Inventory (15)

Accepted Mar. 10, 2025

	Common Name	CAS	Location	Max Daily Amount
View	Diesel Fuel No. 2 	68476-34-6	Southeast Corner of Building	3,395 gallons
View	Xylene 		Histology Laboratory & Warehouse	550 gallons
View	Waste - Animal Tissue with Formalin 		Wet Tissue Storage Room	3,300 pounds
View	Zinc Sulfate 	7733-02-0	Parasitology Laboratory & Warehouse	1,008 pounds
View	Waste - Stains 		Hematology Laboratory	110 gallons
View	Waste - Buffer Reagents 		Hematology Laboratory	55 gallons
View	Waste - Histo Blocks 		Warehouse	18,900 pounds
View	Carbon Dioxide 	124-38-9	Microbiology Laboratory	1,200 cubic feet
View	Nitrogen 	7727-37-9	Molecular Genetics Laboratory	600 cubic feet
View	Neutral Buffered Formalin 		Histology Laboratory & Warehouse	300 gallons
View	Waste - Wax with Xylene 		Histology Laboratory	500 pounds
View	Compressed Gas Mixture 		Microbiology Laboratory	900 cubic feet
View	Reagent Alcohol 		Histology Laboratory & Warehouse	500 gallons
View	Waste - Alcohol, Xylene, Petroleum Distillates 		Histology Laboratory	220 gallons
View	Waste - Zinc Sulfate 		Parasitology Laboratory	110 gallons

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Large Campus Diagnostic Facilities



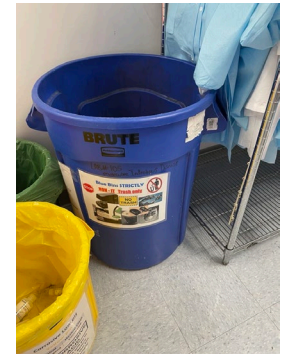
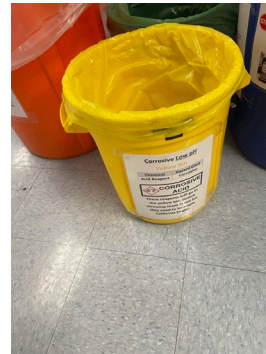
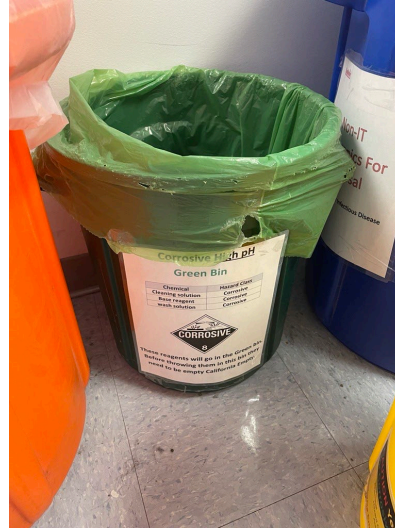
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Large Campus Diagnostic Facilities



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March 24-27, 2025

Large Campus Diagnostic Facilities

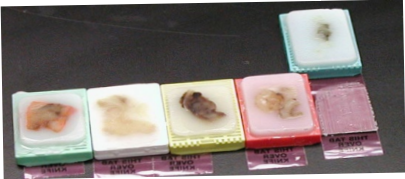


Laboratory – Histology for Specimen Preparation: Leticia Peloris Process, Tissue-Tek Prisma or VIP-6, Benchmark Roche or Ventana



Waste Flammable Liquids: Methanol, Xylene, Alcohol

Waste Wax with Xylenes



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Laboratory – Microbiology/Cytology – Automated Stainers

Aerospray, Previ Color Gram and Wescor Stainers



Waste Flammable Liquids: Ethanol, Methanol, Xylene
Waste Flammable Corrosives: Methanol/Acetic Acid Fix

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Laboratory – Gross Pathology



Waste Non-RCRA Toxic Liquid: Formalin
Waste Flammable Corrosives: Methanol and Hydrofluoric Acid



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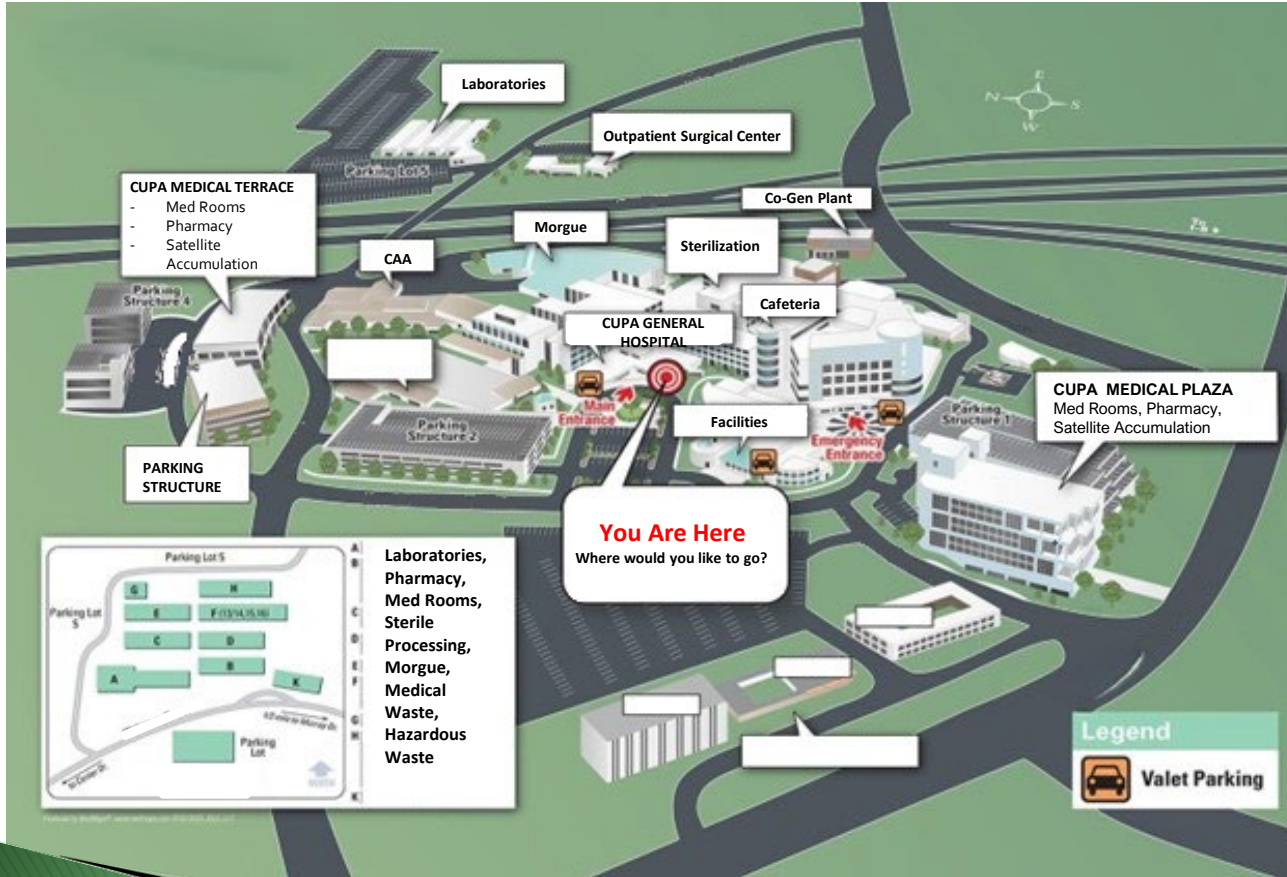
Laboratory — Parasitology



Waste Zinc Sulfate

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Welcome to CUPA GENERAL HOSPITAL



- Co-Gen Plants
- Tank Farms – Gas Storage
- Morgues/Coroners
- Central Supply
- Sterilization Room
- Imaging Center
- Wound Care
- Eye Surgery
- **Central Accumulation Area (CAA)**

Laboratories, Pharmacy, Med Rooms, Sterile Processing, Morgue, Medical Waste, Hazardous Waste

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Central Accumulation Area (CAA)

Hazardous Wastes can
be Hazardous Materials



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Common Violations

- Training
 - Lack thereof/Documentation
- Inventory and Non-Submittals
- Site maps
- Emergency Response Plans

Common Violations – Inventory/Non-submittal

Hazardous Materials Inventory (7)

Accepted Jul. 1, 2024

	Common Name	CAS	Location	Max Daily Amount
View	Waste Methanol		Hazardous Waste Storage Area	55 gallons
View	Waste Zinc Sulfate		Hazardous waste storage area	30 gallons
View	Zinc sulfate monohydrate	7446-19-7	Parasitology department	180 gallons
View	Waste Sodium Bicarbonate, Ethanol		Hazardous waste storage area	2 gallons
View	Waste Sodium Hydroxide solution		Hazardous waste storage area	2 gallons
View	Waste Hydrochloric acid solution		Hazardous waste storage area	2 gallons
View	Waste Acetic acid solution		Hazardous waste storage area	2 gallons

*Note: Submittal data is current as of 3/14/2025 at 1:16 PM.

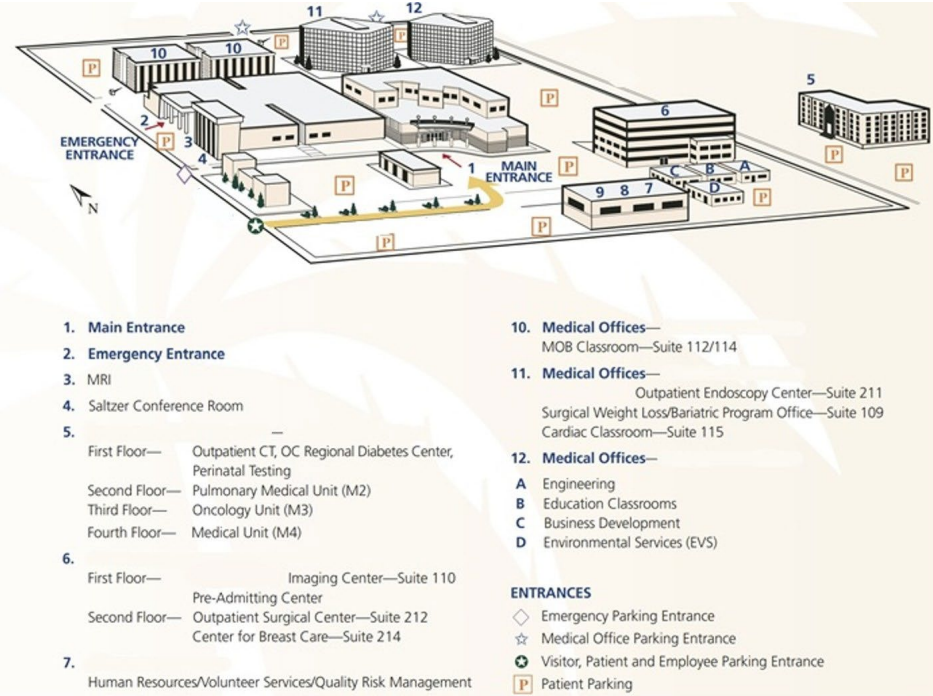
CERSID	Address	Submitted	Facility	Inventory	Plans	UST	TP	RMR	Remote	Tank	APSA
LABORATORY SERVICES		6/26/2024 1:38PM	Accepted 6/27/2024	Accepted 7/1/2024	Accepted 7/1/2024						
LABORATORY SERVICES		5/31/2023 11:09AM	Accepted 6/15/2023	Accepted 6/15/2023	Accepted 6/15/2023						
LABORATORY SERVICES		5/8/2022 11:20AM	Accepted 5/12/2022	Accepted 5/12/2022	Accepted 5/12/2022						
LABORATORY SERVICES		2/17/2021 11:13AM	Accepted 2/18/2021		Accepted 2/18/2021						
LABORATORY SERVICES		2/17/2021 11:11AM	Accepted 2/18/2021	Accepted 2/18/2021							
LABORATORY SERVICES		5/15/2020 12:37PM	Accepted 6/2/2020		Accepted 6/2/2020						



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Common Violations – Site Map



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Not Accepted!



Chemical Inventory Location

Bldg. 9 Underground Storage Tank

- Low Nox Fuel Blend
- NO. 2 Diesel Fuel

Bldg. 10 Upper Campus Power Plant

- HDAX Low Ash Engine Oil
- Nitrogen Cylinders
- Nitrous Oxide
- Oxygen-Liquified
- Sodium Hypochlorite
- Sulfuric Acid
- Used Engine Oil

Bldg. 22 Cylinder Storage Cage

- Nitrogen Cylinders
- Oxygen Cylinders

Bldg. 22 Refrigerant Storage Cage

- Argon Compressed
- R404
- R222

Bldg. 24 Women's Pavilion

- Formalin (Laboratory)
- Formalin Waste (Laboratory)
- Helium-Liquified (Radiology)
- Rapicide™ Disinfectant (GI Lab)
- Xylene (Laboratory)
- Xylene Waste (Laboratory)

Bldg. 27 Hazardous Waste Cage

- Formalin Waste
- Xylene Waste

Bldg. 28 Morgue

- Formalin
- Formalin Waste

Bldg. 41 Cancer Center

- Iridium-192

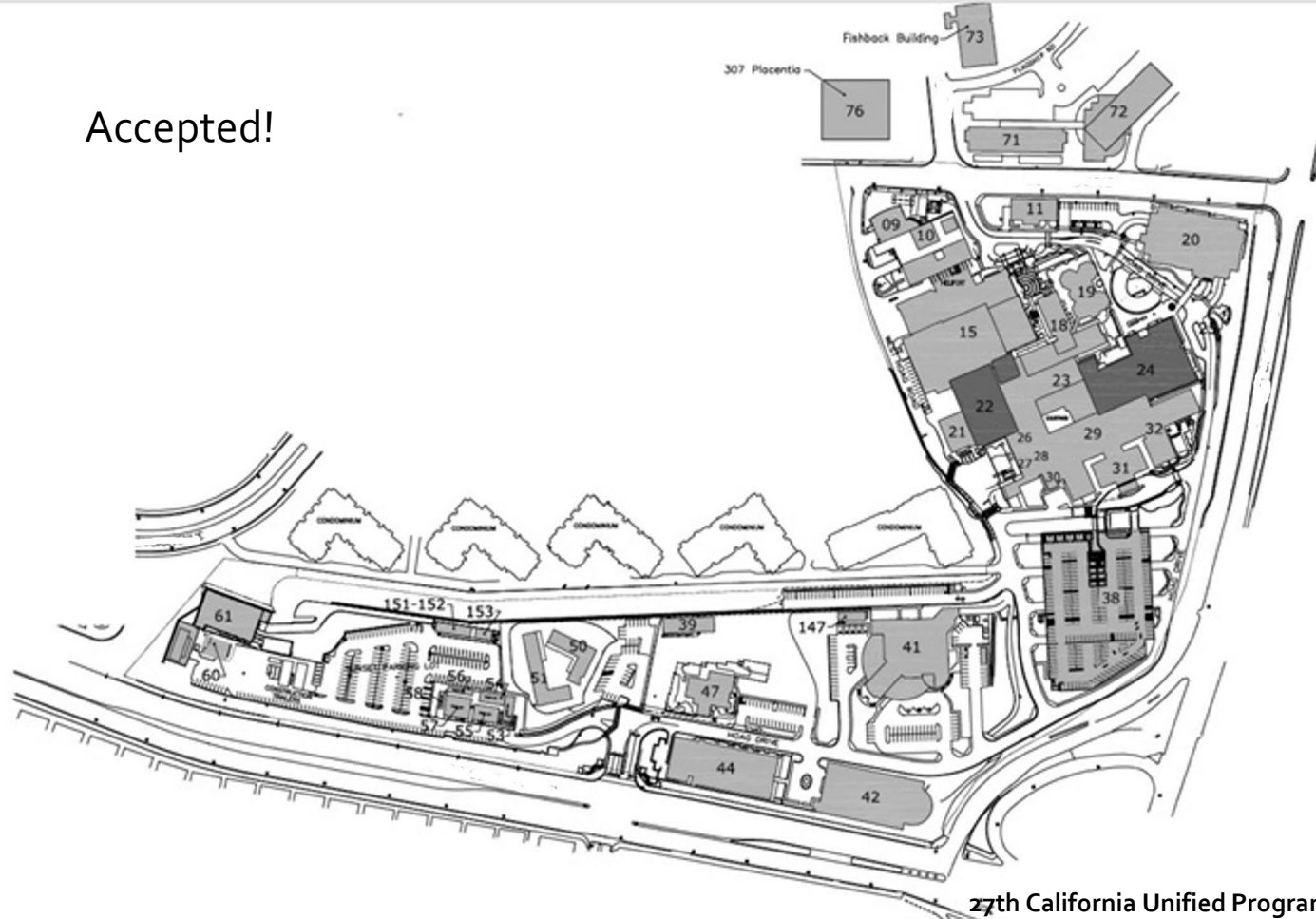
Bldg. 47 Advanced Technology Pavilion

- Helium Liquified

Bldg. 61 Lower Campus Cogen Plant

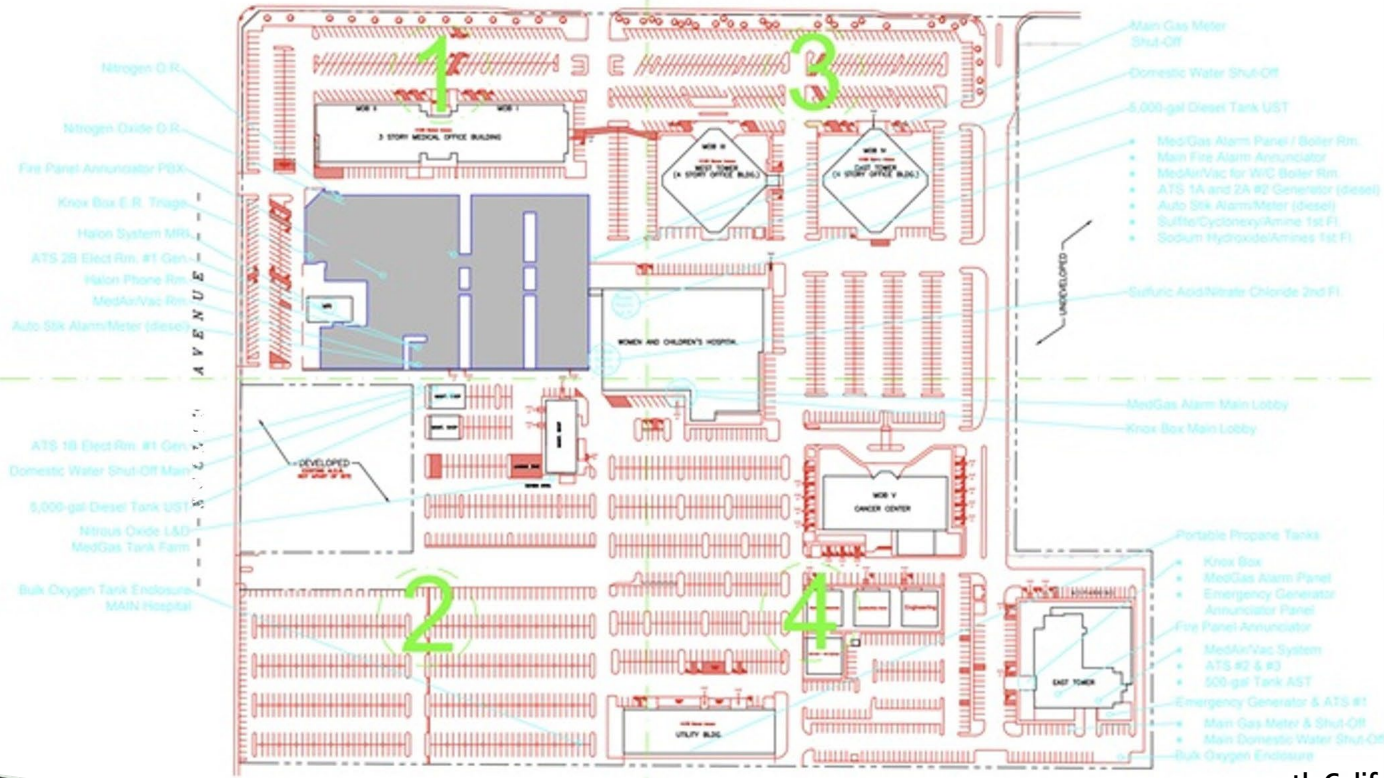
- Argon Compressed
- Carbon Monoxide
- CITGARD 500 Engine Oil
- EA-125T
- EA-330
- EA-360
- EA-566
- EA-854
- HDAX Low Ash Engine Oil
- Hydrochloric Acid
- K-Brom 40
- Lithium Bromide
- MB-H1.5
- Motor Oil
- Nitric Oxide
- Nitrogen Cylinders
- NO 2 Diesel Fuel
- Oxygen Cylinders
- Sodium Hypochlorite

Accepted!



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Accepted!



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Common Violations – ERCP

Emergency Response/Contingency Plan(s) Supplemental Documentation

You must submit an emergency response/contingency plan for your facility. Contact your local regulator for more information.

[Consolidated Emergency Response/Contingency Plan Template](#): This optional template may be used to satisfy requirements that Hazardous Materials Business Plans (HMBP) contain emergency response plans, procedures, and employee training in the event of a reportable/threatened hazardous material release. [Download](#) the form, read the [instructions](#), complete it, and upload it here.

Submittal Element History

Submitted for CERS ID _____ on 11/30/2023 9:49AM by _____ of _____
Submittal was **Not Accepted** on 12/4/2023 by _____ for [Orange County Environmental Health](#)
Comments by regulator: Please upload contingency plan. A template is available in the emergency response/contingency plan section.

[Return to Submittal](#)

Document Options

Upload Document(s)

Public Internet URL
Provided Elsewhere in CERS
Provided to Regulator
Stored at Facility
Exempt

Document Upload(s)

Document Title

[Document Placeholder for Emergency Response Contingency Plan](#) (Adobe PDF, 0 B)
Document Placeholder for Emergency Response Contingency Plan

Employee Training Plan(s) Supplemental Documentation

Most businesses must submit an employee training plan(s) for their facility. Contact your local regulator for more information.

Submittal Element History

Submitted for CERS ID _____ on 10/4/2023 3:33PM by _____ of _____
Submittal was **Not Accepted** on 11/7/2023 by _____ for [Orange County Environmental Health](#)
Comments by regulator: Submittal not accepted based on inspection conducted on 11/7/2023. EMERGENCY RESPONSE PLAN- complete section G2 (location) for each item checked. EMPLOYEE TRAINING PLAN- "Provided to Regulator" is no longer a valid option; 1- either upload a copy of the employee training plan or 2- reference the emergency response plan by selecting "Provided Elsewhere in CERS, Emergency Response Plan." Revise and resubmit within 30 days. For questions, contact [@ochca.com](#).

[Return to Submittal](#)

Document Options

Upload Document(s)
Public Internet URL
Provided Elsewhere in CERS
Provided to Regulator
Stored at Facility
Exempt

Stored at Regulatory Agency

If previously approved by your local regulator, you can use this document option to indicate the document(s) has been provided to the Regulator. Normally this option should only be used when the document(s) are sensitive and should not be made readily available to the public, such as the Emergency Response Plan for a refinery or large chemical manufacturing plant. Enter the date the document was provided to the regulator.

Date Provided to Regulator
10/24/2016

Not Accepted!

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Spill Reporting

Upon observing a release or threatened release Immediate notification to local agency and Cal OES (800)852-7550 with the following information:

- Name of caller
- Location, date, time of release
- Info on the hazmat and amount release
- Impact on the environment (entry into waterways, leaching into soil, etc.)



Why Spill Reporting?



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Any Questions?

Ashley Acevedo: Asacevedo@OCHCA.com

David Ortega: Dortega@OCHCA.com

Karen Blanchard: Kblanchard@OCHCA.com

(714) 433-6406

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