



# CUPA-FIRE DEPARTMENT PLAN CHECK REQUIREMENTS

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## VAPOR RECOVERY AND ISD SYSTEM INSTALLATIONS

Presented

by

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# EVR PHASE-II WHAT TRIGGERS IT

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- MAJOR MODIFICATIONS-PER CARB REQUIREMENTS
- TIME LINES

OUR GOAL IS TO MAKE EVR PHASE-II EASIER

- THRU USE OF A COMMON GUIDANCE DOCUMENT
- BY INFORMATION SHARING



# THE FOUR (4) MAJOR COMPONENTS OF EVR PHASE II

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- THE HEALY C.A.S TANK      LOCATION
- THE ISD COMPONENTS      LOCATION
- THE VEEDER-ROOT PANEL      LOCATION
- THE DISPENSERS      LOCATION



# HEALY C.A.S TANKS

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- a) IS REGULATED AS A VAPOR PROCESSING SYSTEM IN ACCORDANCE WITH NFPA-30, CHAPTER 10 and CFC.
- b) MUST MEET ALL OF THE INSTALLATION AND DISTANCE REQUIREMENTS OF NFPA-30A and CFC-ARTICLE-52.
- c) THE C.A.S IS NOT REGULATED AS AN A.S.T AS CONFIRMED BY THE STATE FIRE MARSHAL, STATE WATER BOARD AND MOST LOCAL AGENCIES



# THE HEALY PLAN CHECK REQUIREMENTS PER THE REGULATORS GUIDANCE DOCUMENT

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- SHALL BE 10' FROM PROPERTY LINES, IMPORTANT BUILDINGS, AND A PUBLIC WAY
- SHALL BE 20' FROM DISPENSER ISLANDS
- 15' FROM COMBUSTIBLE STORAGE AREAS
- NOT LOCATED UNDER CANOPIES OR OVERHANGS
- MUST BE PROTECTED BY BOLLARDS
- MEET ALL HEALY INSTALLATION REQUIREMENTS



# ALTERNATE ENCLOSURE REQUIREMENTS

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WHEN YOU CAN'T MEET THE DISTANCE REQ.

- PROVIDE A 1-HOUR FIRE RESISTIVE ENCLOSURE
- MUST BE 3-SIDED WITH NON-COMBUSTIBLE GATE
- ENCLOSURE MUST EXTEND 18" ABOVE TANK
- 18" CLEARANCE BETWEEN TANK AND ENCLOSURE
- C.A.S CANNOT BE WITHIN 5' OF PROPERTY LINES, BUILDING OPENINGS, OR PUBLIC WAYS
- ENCLOSURE OPENING NEED BOLLARD PROTECTION



# WHAT DO REGULATORS TEST/INSPECT

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- HEALY TANK-----INSPECT
- ISD COMPONENTS-----MONITORING CERT.TEST
- VEEDER-ROOT PANEL----TEST MONITORING POINTS
- DISPENSERS-----INSPECT/TEST



# THE RESPONSIBLE PARTY

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- **WHO IS THE RESPONSIBLE PARTY?**  
[ FROM THE REGULATORS VIEW]
- **“YOU ARE” TANK OWNER/OPERATOR**  
[NOT PROPERTY OWNER, PLANS DESIGNER, OR CONTRACTORS]



# WHAT ARE YOU RESPONSIBLE FOR?

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- a) FOR PAYMENT OF ALL REQUIRED FEES
- b) FOR SUBMITTAL OF QUALITY ENGINEERED PLANS
- c) FOR CHOOSING CAPABLE QUALIFIED CONTRACTORS/DESIGNERS
- d) FOR PROPER INSTALLATION AND FUNCTION OF THE SYSTEM
- e) FOR COMPLIANCE WITH ALL REGULATORY CODES AND PERMITS



# THE "3" Qs TO A SMOOTH PLAN REVIEW

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- QUALITY- ENGINEERED PLANS
- QUALIFIED- CONTRACTORS
- QUICK- PERMIT APPROVAL



# WHAT CONSTITUTES “QUALITY” PLANS

“ THE 1<sup>ST</sup> Q”

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- VIEW YOUR PLANS AS A GIANT PUZZLE
  - a) GOOD MAKE SURE YOU SHOW ALL THE CORRECT PIECES
  - b) A PARTS/EQUIPMENT LIST IS THE FIRST STEP
  - c) TAKE THE GUESS WORK OUT/MAKE YOUR PLAN REVIEWERS DAY

# WHAT YOUR REGULATOR WANTS TO SEE ON YOUR PLANS



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- a) A COMPLETE FACILITY SITE PLAN WITH STREET REFERENCES
- b) A COMPLETE ITEMIZED WRITTEN SCOPE-OF-WORK
- c) A DETAIL OF THE INDIVIDUAL SYSTEM COMPONENTS
- d) IDENTIFY STRUCTURES, PROPERTY LINES, PUBLIC WAYS
- e) A SCALE AND SYMBOLS LEGEND
- f) REMEMBER IF YOU *SAY IT* ON THE PLANS *SHOW IT* ON THE PLANS



# CHOOSING A “QUALIFIED” CONTRACTOR

“ THE 2<sup>ND</sup> Q”

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- KNOW WHICH LICENSES and CERTIFICATIONS ARE REQUIRED
  - a) MUST POSSESS A STATE CLASS-A, CLASS-B, OR C-36 [HAZ-CERT]
  - b) MUST HAVE A LOCAL CITY BUSINESS LICENSE
  - c) MUST POSSESS WORKERS COMP. INSURANCE [OR BE EXEMPT]
  - d) MUST BE ICC CERTIFIED TO WORK ON USTs
  - e) MUST BE AQMD CERTIFIED FOR VAPOR RECOVERY
  - f) MUST HAVE MANUFACTURERS PRODUCT CERTIFICATIONS
  - g) VERIFY THAT ALL CERTS and LICENSES ARE CURRENT

**NOTE:** BE FAMILIAR WITH LOCAL AGENCY CODES AND POLICIES



# "QUICK" PERMIT APPROVALS

"THE 3<sup>RD</sup>. AND FINAL Q"

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- a) IF YOU FOLLOWED STEPS #11, #12 AND #13 IT SHOULD GET YOU HERE QUICKLY
  
- a) MOST AGENCIES HAVE AN EXPEDITED PLAN REVIEW PROCESS FOR AN ADDITIONAL FEE;  
[Use it, it's worth the time]



# FACTORS THAT MAY DELAY APPROVALS

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- a) NON-ARCHITECTURALLY DRAWN PLANS
- b) INCOMPLETE DATA ON THE PLANS
- c) UNPAID FACILITY OR PERMIT FEES
- d) UNQUALIFIED CONTRACTORS
- e) NOT FOLLOWING LOCAL AGENCY GUIDELINES

NOTE: A BAD ATTITUDE



OOPS– ONE MORE ‘Q” QUESTIONS?

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THANK YOU FOR YOUR ATTENTIVENESS