
Appendix H

Preliminary Construction Fire Prevention Plan

Construction Fire Prevention Plan

PURPOSE AND SCOPE OF PLAN COVERAGE

This Fire Prevention Plan (Plan) is established to ensure that, in the event of a fire during construction at Ventura Compressor Modernization Project, all possible fire safety procedures will be carried out to safeguard human life and to control or extinguish the fire if it is safe to do so. The fire safety procedures include the prompt reporting of a fire, the safe, systematic, and orderly evacuation of occupants from the fire area to a place of safety, and the use of available fire extinguishing equipment by trained personnel. Fire-fighting activities will be coordinated with and directed by the City of Ventura Fire Department (VFD).

REGULATORY REFERENCES

The Fire Prevention Plan is primarily intended to satisfy the following regulatory requirements: OSHA CFR 1926.150, 1926.151.

FIRE SAFETY TEAM MEMBERS

Designated personnel serve as the Fire Safety team. Members are responsible for implementing the Fire Prevention Plan. Members include the following positions:

- Fire Safety Director – Construction Safety Manager
- Director Assistants – All Craft Superintendents

RESPONSIBILITIES OF FIRE SAFETY TEAM MEMBERS

Fire Safety Director - The Fire Safety Director is responsible for the following:

- Administration and implementations of the Plan.
- Organization, training, and supervision of team members.
- Being familiar with the Plan.
- Ensuring the fire department has been notified in the event of an emergency.
- Function as the fire department liaison during an emergency.
- Be familiar with the construction Emergency Action Plan.

Director Assistants - The Director Assistants are responsible for the following:

- Evacuation Procedures
- Notify the Fire Safety Director of any personnel who are missing or unaccounted for.
- Be available to the Fire Safety Director and/or alternate for duties not otherwise listed.
- Ensure annual fire extinguisher and fire system inspections are completed and repairs made if necessary.
- Ensure appropriate employees are current in Fire Prevention Plan, Fire Systems and Fire Extinguisher training.
- Be familiar with the construction Emergency Action Plan.
- Function as Fire Safety Director in the absence of the Fire Safety Director.

PROCEDURE IN THE EVENT OF A FIRE

In the event of a fire, an employee will contact their immediate supervisor. All foreman will have radios and will immediately inform their Superintendent. The Superintendent will then contact the emergency personnel and the Construction Safety Manager. After contacting the emergency personnel, the Superintendent will inform the plant control room. All Superintendents will have the emergency phone numbers programmed into their cell phones.

When contacting emergency personnel the following should be given.

- Your Name
- Type of incident
- Location of incident
- Need for first aid response

Do not hang up until instructed to do so.

Evacuation map for information on evacuation routes, assembly areas, location of fire department and vehicle access will be developed during engineering design.

Map showing locations of fire hydrants will be developed during engineering design.

If an evacuation is needed, all foreman will be notified by the Fire Safety Director on their radios. All employees shall then be notified and walk at a controlled pace to the assembly areas identified on the evacuation map. After a roll call has been taken, the Fire Safety Director will direct personnel if evacuation from the plant is necessary.

Emergency Vehicle Access Map. This map is to be used by emergency vehicles in the event of a fire.

FIRE HAZARDS AND HOSKEEPING

Hot Work

All projects requiring hot work shall ensure employees are protected against health and safety hazards associated with welding and cutting. Employees performing cutting and welding will be trained on the proper PPE, fire prevention, fire extinguisher use, proper body positioning, and inspection of cutting and welding equipment. Material Safety Data Sheets (MSDS) for materials, coatings, and consumables used in welding and cutting will be made available for review with employees upon request. Proper ventilation and respiratory protection shall be used as required to eliminate exposures to harmful fumes. Hot work will be following the California Fire Code.

Housekeeping

Good housekeeping is the responsibility of all employees and will assist in keeping fire hazards at a minimum.

Combustible Materials

Accumulation of materials such as paper, straw, garbage, and oil-soaked rags shall be kept to a minimum. Garbage shall be disposed of in the appropriate containers. Oil, grease, and solvents shall be disposed of in the appropriate hazardous waste container.

Flammable and Combustible Liquids

Class 1- Flammable liquids are defined as a liquid with a flash point below 100°F; e.g., gasoline, alcohol, acetone, and naphtha.

Class 2- Combustible liquids are defined as a liquid with a flash point at, or above, 100°F and below 140°F; e.g., kerosene, solvents, and thinners.

Class 3- Combustible liquids with flash points at or above 140°F; e.g., lube oil, transformer oil and fuel oil.

Solvents and paint removers shall not be used in rooms, generator pits, tanks, or other enclosed areas unless adequate ventilation is provided, and shall never be used in locations where electric sparks may occur or where unguarded electric lamps are used. All areas where Class 1&2 liquids are being used shall be adequately posted with approved "No Smoking" signs. Gasoline shall not be used for cleaning purposes.

Flammable liquids in quantities greater than five gallons shall not be stored inside of buildings unless stored in approved safety cans or containers.

All flammable liquid containers shall be plainly labeled to show the contents. Flammable and combustible liquids shall not be permitted to flow or to be poured into any wastewater drains.

Natural Gas

No smoking allowed near the gas line. All gas lines will be sniffed using an approved detector prior to starting the work. Anti-spark tools will be used when working on gas piping or components.

Oil Waste Storage area

Drum lids shall remain on all oil storage drums.

No smoking in the vicinity of oil waste storage area or bulk storage area.

Hazardous Waste Storage Area

No smoking will be allowed in the storage area.

Drums and containers will be checked for compatibility prior to being placed in storage area.

Drums and containers shall be stored with their lids always closed tightly.

FIRE EQUIPMENT

Fire Extinguishers

Type A/B/C Dry Chemical Extinguishers will be located throughout the jobsite. All personnel shall be familiar with their location and will be trained annually in their use.

If there is any work occurring on/in/around materials with special burning characteristics and when there is a potential for ignition of those products (for example, exotic metals like titanium or magnesium) there will be an appropriately sized/classed extinguisher present for the specific hazards.

Inspection of Fire Extinguishers

1. Monthly Inspection - All extinguishers shall be inspected monthly to insure they are in their designated places, to insure they have not been actuated or tampered with, and to detect any obvious signs of impairment. Any extinguisher showing defects will be removed from service and taken to the construction warehouse to be sent out for repair. A spare extinguisher will be used as replacement. In addition, a fire prevention checklist will be completed.
2. Annual Maintenance - All extinguishers shall be thoroughly examined, recharge, and repaired (as necessary) annually by a fire extinguisher service to insure operability and safety. Spares shall replace extinguishers removed from the premise. Each extinguisher shall have a durable tag attached to show the maintenance or recharge date and the initials or signature of the person performing this service.

REPORTING AND RECORDKEEPING

This plan will be reviewed at least every two years for effectiveness and to ensure it meets the project needs and health and safety requirements.

Training records shall be kept on file and updated periodically.

Training: All training shall be recorded.

Training Frequency: When first assigned and annually.

Monthly Fire Prevention Plan Checklist

(To be developed during engineering design)

Emergency Vehicle Access Map

(To be developed during engineering design)

Evacuation Map

(To be developed during engineering design)

