

# **SPILL PREVENTION CONTROL AND COUNTERMEASURES PLAN (SPCCP) FOR FUELING AT STATION 63**

The attached SPCC Plan contains introductory information, a description of facilities and practices employed to prevent spills, and a description of appropriate guidelines to be followed in the event of a spill. This plan is augmented by the specific plans for the operation and maintenance of hydrocarbon (diesel fuel) storage facilities at PFD Station #63.

Training of personnel who have specific responsibilities under the plan must be completed prior to using the fuel dispensing facility. The guideline is listed as Attachment A following this plan.

## **A. Background:**

1. The Water Quality Improvement Act of 1970 stated that the United States policy prohibits the discharges of harmful quantities of oil into the navigable waters of the United States. The Federal Water Pollution Control Act Amendments of 1972 (40 CFR 112) promulgated December 11, 1973 required procedures, methods and equipment to prevent and contain discharges of oil and hazardous substances.
2. The Act has been revised or amended a number of times. Further clarification of 40 CFR, Part 112 and Section 311 of the Act is included in Attachment 1. In addition, the State of Texas Oil and Hazardous Substances Spill Contingency Plan contains many provisions and reporting requirements related to spills.
3. The regulations are to prevent oil and other hydrocarbon substance discharges from entering waters of the United States and contaminating the environment. Through the use of pollution prevention equipment and thorough training and education of personnel, accidental releases can be reduced to a minimum.
4. When a release does occur, secondary containment can be used to prevent the discharge from entering navigable waters or contaminating the environment. However, in the event that this fails or is not practicable, an adequate containment/contingency plan must be prepared and available for reference.
5. This plan has management support for a commitment of necessary manpower and materials.
6. If a major discharge is possible, a plan is required to comply with Federal regulations. This Spill Prevention Control and Countermeasures Plan (SPCCP) which has been prepared in accordance with EPA regulations applies to non-transportation facilities and prevention and containment of oil and hydrocarbon substance releases resulting from fuel dispensing operations. It includes requirements of the Water Improvement Act and Federal Water

Pollution Control Act. It is intended to be used as a resource for responding to spills or releases in exterior areas of our facility at 21455 Imperial Valley Dr., Fire Station #63.

#### B. Purpose and Objectives

1. This plan presents a coordinated and integrated set of procedures, methods and equipment requirements to prevent oil and hazardous substance discharges from PFD Station #63 into or upon waters and environment of the United States and to contain such discharges if they should occur. It provides guidelines for responsible facility personnel for communication and required coordination with and notification of the Federal, State and local response systems when a spill occurs.
2. In addition, it provides guidelines for training personnel to effectively and safely participate in spill / release responses.
3. The discussion that follows describes the facilities that are associated with the prevention of oil or hazardous substances reaching navigable waters and the adjacent environment. In addition, the discussion includes a description of the procedures and defines responsibilities of personnel involved in maintaining and operating the spill/release control facilities.
4. The PFD Station #63 Captain is responsible for maintaining all equipment in serviceable condition including minimizing the potential of an oil or hazardous substance release.
5. At all times all personnel share the responsibility for detecting and reporting a spill to the Fire Chief or his designate who will verify that guidelines specified in this plan are executed.

#### C. SPCCP Facility Drainage System

1. Surface water drainage is collected in a storm water drainage system with one direct outlet to the drainage system on Imperial Valley Drive on the southeast side of the property.
2. The diesel fuel dispensing facility is self-contained to capture up to 1500 gallons of liquid. The diesel tank itself is a maximum of 1000 gallons. The containment barrier has rain water drain valve in the west end that must be closed and capped when not being used for draining rain water. Failure to close, lock/tag this valve may result in disciplinary actions.

#### D. Bulk Storage Tank

1. The tank used for storage of diesel fuel is of material and construction compatible with the material stored, and where applicable, comply with API specifications.

2. The secondary containment capacity of the diked area surrounding the tank is not less than one and one-half times the capacity of the tank within the diked area.
3. The above ground tank is periodically inspected. The exterior surface of the tank are frequently visually inspected for leaks or accumulation of oil or other materials inside the tank dike.
4. Visual inspection of the tank is conducted for surface evidence of tank leakage and/or spills during normal operations examining seams, nozzle connections, valves and pipelines directly connected to the tank. Corrective actions are taken as necessary and as soon as possible.
5. The foundations and/or supports of the above ground storage tank are inspected to assure the integrity of the foundation and/or supports.
6. Fast response liquid - level gauges are used on the tank.

#### E. Intra-Facility Tank Truck Loading/Unloading

1. To prevent vehicular departure before complete disconnect of transfer lines the truck loading/unloading procedure specifies installation of wheel chocks during the operation. Tank trucks are to be electrically grounded and bonded during loading/unloading operations.
2. The dispensing hose is equipped with a breakaway device and an automatic shutoff, manual activation nozzle.

#### F. Security

1. The Station #63 Diesel Fuel Dispensing Facility is fully fenced, and entrance doors or gates are locked.
2. The loading connection shall be capped when not being used.

#### G. Personnel training

1. Appropriate personnel are properly instructed in applicable pollution control laws, rules and regulations, and operation and maintenance of equipment to prevent discharges.
2. A written procedure is readily available for the proper dispensing of fuel into PFD apparatus. (Attachment A)
3. Every member is charged with responsibilities of surveillance within this location to detect hydrocarbon discharges and conditions which if not corrected might result in spill events.
4. Prompt notification is made to the person in charge of the facility causing the leak and aid will be furnished in stopping the leak as soon as possible.

## H. Spill Contingency Plan

1. Despite our efforts to prevent fuel spills, they can occur and must be contained and cleaned up promptly. This spill contingency section of the SPCC Plan defines defensive actions to be initiated as soon possible after discovery of a fuel spill or discovery of oil adjacent to the facility. A fuel spill is a spill of any oil or chemical, liquid or solid, which if not promptly contained and properly disposed of could be a source of contamination of adjacent waters. All members have been instructed to report all significant spills to their supervisor.
2. Response actions include as appropriate:
  - a. Elimination of the source of the spill;
  - b. Notification of the spill to proper authorities
  - c. Placement of physical barriers to halt or slow the spread of fuel;
    1. Utilize spill pads on apparatus, or
    2. Use dirt to dam the spill
  - d. Cleanup and recovery operations.

## **ATTACHMENT A**

### **FUELING PROCEDURES**

- A. Using the lever on the side of the meter, clear the gallons meter and note the master meter reading on the fuel log. Remove the nozzle and engage the “activate pump” lever.
- B. Do not overflow an apparatus fuel tank by filling too quickly. Do not top off a tank.
- C. After fueling the apparatus, replace the nozzle and disengage the “active pump” lever. Note the ending meter readings on the fuel log.
- D. Clean any spilled fuel and return unused materials to the store room. Bag any used absorbent materials for later disposal and notify the officer in charge.
- E. Any unusual conditions shall be immediately reported to an officer for immediate follow-up (water in diked area, possible leaks, defective equipment, etc.)