

SPILL PREVENTION, CONTROL, AND COUNTERMEASURE PLAN

Owner Address

xxx

Location Address

xxx

Site Contact

xxx

Certification 40 CFR 112.3 (d):

I hereby certify that I or my agent have examined the facility and, being familiar with the provisions of 40 CFR Part 112. Attest that this SPCC Plan has been prepared in accordance with good engineering practices.

Engineer: zzz

Signature: _____

Registration Number: XXXX

State: Indiana

Date: zzz

Agent: Leonard E. Meador

Signature: _____

Certification of the Non-Applicability of the Substantial Harm Criteria of 40 CFR 112.20

Facility Name: xxxx

Facility Address: xxxx

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?
Yes _____ No X
2. Does the facility have a total oil storage capacity greater than or equal to one million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage area?
Yes _____ No X
3. Does the facility have a total oil storage capacity greater than or equal to one million gallons and is the facility located at a distance such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments?
Yes _____ No X
4. Does the facility have a total oil storage capacity greater than or equal to one million gallons and is the facility located at a distance such that a discharge from the facility would shut down a public drinking water intake?
Yes _____ No X
5. Does the facility have a total oil storage capacity greater than or equal to one million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last five years?
Yes _____ No X

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: _____

Name: xxxTitle: Agent for the Engineer

Date: xxxxx

Facility Information

xxxxxx.

Approximate facility coordinates are:

Latitude xxxx

Longitude xxxxx

Facility Description:

This facility is an on farm bulk fuel storage containing gasoline and diesel fuel for truck and tractor operations. The included "Site Map," and photos show the site, nearby waterways, adjacent highways, fuel handling facilities, and the office.

Fixed Storage:

(2) 500 - gallon aboveground horizontal tanks (1 gasoline & 1 diesel fuel)

(1) 1,000 - gallon aboveground horizontal tank (diesel fuel)

Total Oil Storage: 2,000 gallons

SPCC Plan Location 40 CFR 112.3 (e)(1)

In accordance with 40 CFR 112.3 (e)(1), a complete copy of the SPCC Plan is maintained at the xxxxx.

SPCC Plan Amendment 40 CFR 112.5 (a)

According to 40 CFR 112.5(a), the SPCC Plan is to be amended whenever there is a change in facility design, construction, operation, or maintenance which materially affects the facility's potential for the discharge of oil into or upon the "navigable waters" of the United States or adjoining shorelines as defined in the Federal Water Pollution Control Act (FWPCA), section 502(7). Amendments to the Plan shall be fully implemented as soon as possible, but no later than six (6) months after such change occurs. A complete review of the SPCC Plan at least once every three (3) years must be performed, and appropriate amendments to the SPCC Plan be implemented within six months of this evaluation.

SPCC Plan Review - 40 CFR 112.5(b)

The owner or operators must complete a review and evaluation of the SPCC plan at least once every three years. Evidence of these reviews shall be recorded in the plan and include Signature, Date, and Comments.

SPPC Plan Amendment Certification 40 CFR 112.5 (c)

Pursuant to 40 CFR 112.5(c), any amendments to this SPCC Plan must be certified by a Licensed Professional Engineer in order to comply with the regulations.

MANAGEMENT APPROVAL - 40 CFR 112.7(a)

This SPCC plan is fully approved by the management of- xxxxx and the necessary resources have been committed to implement the plan as described.

Facility Manager: xxxxxx

Signature: _____ Date: _____

PAST SPILL EXPERIENCE - 40 CFR 112.7(a)

This is a new facility and no spills have occurred as of xxxx. If future spills occur they will be recorded on the form provided.

Discharge Prevention Measures - 40 CFR 112.7(a)(3) and (i)

XXX
XXX
XXX

Discharge Prevention Measures - 40 CFR 112.7(a)(3)(ii)

XXX
XXX
XXX

Discharge or Drainage Controls and Procedures for the Control of a Discharge - 40 CFR 112.7(a)(3)(iii)

Secondary containment and other structures and equipment

XXX
XXX
XXX

Countermeasures for Discharge Discovery, Response and Cleanup - 40 CFR 112.7(a)(3)(iv)

XXX
XXX
XXX

Methods of Disposal of Recovered Materials - 40 CFR 112.7(a)(3)(v)

XXX
XXX
XXX

Contact List and Phone Numbers - 40 CFR 112.7(a)(3)(vi)

XX
 XX
 XX

Procedure to follow in the Event of a Discharge - 40 CFR 112.7(a)(5)

XX
 XX
 XX

POTENTIAL EQUIPMENT FAILURES - 40 CFR 112.7(b)

Tank Type	Contents	Failure	Spill Rate	Direction of Flow
Above Ground Storage Tank Number 1	500 Gallons Gasoline	Overflow Rupture Leakage	500 gallons per hour	East
Above Ground Storage Tank Number 2	500 Gallons Diesel	Overflow Rupture Leakage	500 gallons per hour	East
Above Ground Storage Tank Number 3	1,000 Gallons Diesel	Overflow Rupture Leakage	1,000 gallons per hour	East

CONTAINMENT AND DIVERSIONARY STRUCTURES - 40 CFR 112.7(c)(1)

Dikes are provided around tanks 1, 2, and 3, which store fuel products. Total capacity of the storage tanks is 2,000 gallons. The dike capacity is 2,700 gallons. In the unlikely event of all tanks being at capacity and rupturing at the same time the contents will be fully contained within the dike.

DEMONSTRATION OF PRACTICABILITY - 40 CFR 112.7(d)

Facility management has determined that use of the containment to prevent discharged fuel from reaching navigable waters is practical and effective at this facility.

FACILITY DRAINAGE - 40 CFR 112.7(e)(1)

Drainage from diked storage areas is restrained by valves to prevent a spill or other excessive leakage of oil into the facility's drainage system.

In the event of a spill from a tank, the oil should be contained within a dike. If a spill occurs during transfer or in a manner that cannot be contained in a dike, the facility drainage systems are adequately engineered to prevent oil from reaching navigable water in the event of equipment failure or human error.

BULK STORAGE TANKS - 40 CFR 112.7(e)(2)

Each aboveground tank is of steel construction and is compatible with the oils it contains and conditions of storage.

All aboveground tanks have concrete dikes for secondary containment with a volume greater than 110 percent of the largest single tank.

Rainwater will be drained from the dike area, bypassing any treatment, if:

- The bypass valve is normally sealed closed.
- Run-off rainwater is inspected to ensure compliance with applicable water quality standards and will not cause a harmful discharge.
- The bypass valve is opened and resealed under supervision.

Records are kept of drainage events on the form provided.

- There are no buried or partially buried tanks at the facility to the best of our knowledge.
- There are no internal heating coils at this facility.
- Venting capacity is suitable for the fill and withdrawal rates.
- Fuel leaks which result in a loss of fuel from hoses and fittings are promptly corrected.
- The secondary containment is located where it will not be subject to periodic flooding.

Containment Volume Calculations

Circle: $\Pi r^2 x h$, where $\Pi = 3.14159$

Volume (gallons) = $3.14159 x \text{radius}^2 (\text{ft}^2) x \text{height} (\text{ft}) x 7.48 \text{ gallons/ft}^3$

Tank 1 Volume = $3.14159 x 4' x 5.3' x 7.48 = 498.18 \text{ gallons}$

Tank 2 Volume = $3.14159 x 4' x 5.3' x 7.48 = 498.18 \text{ gallons}$

Tank 3 Volume = $3.14159 x 7.02' x 6.0' x 7.48 = 989.78 \text{ gallons}$

Total gallons of all tanks = $498.18 + 498.18 + 989.78 = 1,986.14$

Dike Capacity: $\text{Inside L} x \text{Inside W} x \text{Depth} x 7.48 \text{ gal/ft}^3 = \text{total dike capacity}$

$21' x 9' x 2' x 7.48 = 2,827.44 \text{ gallons}$

Containment Displacement Volume for Tanks 1, 2, and 3

Volumes:

Tank 1, 2, and 3 = 1,986.14 gallons

Dike = 2,827.44

Displacement Volume:

Dike volume 2,827.44 / Tank capacity 1,986.14 = 142 % of all tanks capacity

TRANSFER OPERATION, PUMPING AND IN-PLANT PROCESSES - 40 CFR 112.7(e)(3)

There are no transfer operations, pump or in-plant process at this location.

TANK CAR AND TANK TRUCK LOADING/UNLOADING RACK - 40 CFR 112.7(e)(4)

The tank truck loading and unloading procedures meet the minimum requirements of the U.S. Department of Transportation.

INSPECTIONS AND RECORDS - 40 CFR 112.7 (e)(8)

Daily visual inspections consist of a complete walk through of the facility property to check for tank damage or leakage, stained or discolored soils, excessive accumulation of water in diked areas, and to ensure the dike drain valves are securely closed.

The checklist provided is used during monthly inspections. These inspections are performed in accordance with written procedures developed for the facility by the owner or operator. Written inspection procedures and monthly inspections are signed by the inspector and maintained with this plan for three years.

SECURITY - 40 CFR 112.7(e)(9)

- The electrical starter controls for the oil pumps are located in the office, which is locked when the pumps are not in use.
- The loading and unloading connections of fuel tanks are capped when not in service.
- Two area lights are located so as to illuminate the office and storage areas. Consideration in the location of the lights was given in order to discover spills at night and prevent spills occurring through vandalism.

PERSONNEL, TRAINING AND SPILL PREVENTION PROCEDURES - 40 CFR 112.7(e)(10)

- Facility personnel have been instructed by management in the operation and maintenance of oil pollution prevention equipment and pollution control laws and regulations.
- The facility manager, xxxxx, is accountable for oil spill prevention at xxxxx.
- Yearly spill prevention briefings are provided by management for operation personnel to ensure adequate understanding of the SPCC plan. These briefings highlight any past spill events or failures and recently developed precautionary measures.
- Training has been held on oil spill prevention, containment and retrieval methods.
- Records of these briefings and spill prevention training are kept on the form provided.

EMERGENCY TELEPHONE NUMBERS

Emergency 911 Fire, Sheriff, and Emergency Medical

Facility Manager, xxxxxxxx
National Response Center (800) 424-8802

SPCC Plan Facility Inspection Checklist

Instructions: This inspection record will be completed every month. Place an X in the appropriate box for each item. If any response requires elaboration, do so in the Descriptions & Comments space provided. Further descriptions or comments should be attached on a separate sheet of paper if necessary.

Item	Yes	No	Comments
Tank surfaces show signs of leakage			
Tanks are damaged, rusted or deteriorated			
Bolts, rivets, or seams are damaged			
Tank supports are deteriorated or buckled			
Tank foundations have eroded or settled			
Vents are obstructed			
Valve seals or gaskets are leaking			
Secondary containment is damaged or stained			
Dike drainage valves are open			
Night lighting operational			

Remarks: _____

Signature: _____ Date: _____

Record of Spill Prevention Training Log

Instructions: Trainings will be scheduled and conducted by the owner or operators for operating personnel at intervals frequent enough to assure adequate understanding of the SPCC plan for this facility. These trainings should also highlight and describe known spill events or failures, malfunctioning components, and recently developed precautionary measures. Personnel will also be instructed in operation and maintenance of equipment to prevent the discharges of fuel, and in applicable pollution control laws, rules, and regulations. During these trainings there will be an opportunity for facility operators and other personnel to share recommendations concerning health, safety and environmental issues encountered during operation of the facility.

Date: _____

Attendees: _____

Subjects and Issues:

Recommendations and Suggestions:

XXXXXXXX
Fuel Tank Topo Map

xxxxxxx
Aerial Photo

xxxxxxx
Site Photos