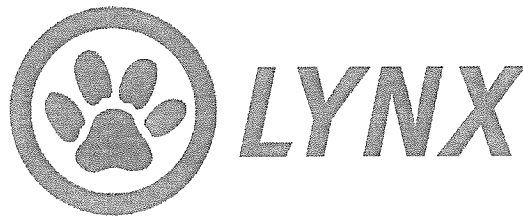


# **SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN**

LYNX Operations Center (LOC)  
2500 Lynx Lane  
Orlando, Orange County, Florida

*Prepared For:*



Central Florida Regional Transportation Authority  
1200 West South Street  
Orlando, Florida 32805

*Prepared By:*  
AECOM Technical Services, Inc.  
30 South Keller Rd, Suite 500  
Orlando, Florida 32810

February 2010

**MANAGEMENT APPROVAL**

The facility represented by this Spill Prevention Control and Countermeasure (SPCC) Plan is committed to preventing discharges of oil to navigable waters of the United States, and to maintaining the procedures defined herein for spill prevention, control and countermeasures. As a member of management who has been given the authority to commit the necessary resources, I approve this SPCC Plan and authorize facility personnel to fully implement the measures defined in this SPCC Plan to prevent or respond to a release of oil.

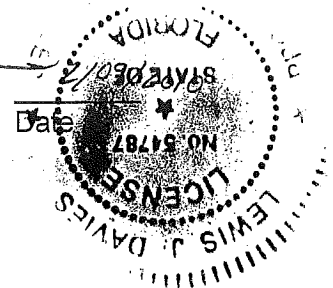
\_\_\_\_\_  
Lisa Darnall  
Chief Operations Officer (COO)  
LYNX – Central Florida Regional Transportation Authority  
Date \_\_\_\_\_

\_\_\_\_\_  
Bill Zielonka  
Manager of Safety and Security  
LYNX – Central Florida Regional Transportation Authority  
Date \_\_\_\_\_

**PROFESSIONAL ENGINEER CERTIFICATION**

I hereby attest and certify that: (i) I am familiar with the requirements of 40 CFR Part 112; (ii) I (or my agent) have visited and examined the facility; (iii) this SPCC Plan for the LYNX Operations Center located at 2500 Lynx Lane, Orlando, Florida has been prepared in accordance with good engineering practices, including consideration of applicable industry standards, and with the requirements of 40 CFR Part 112; (iv) procedures for required inspections and testing have been established in this SPCC Plan; and (v) this SPCC Plan is adequate for the facility. Employees working at this facility have provided certain information in this SPCC Plan. It is understood that the management of this facility also certifies that the information provided is true and accurate. This certification does not relieve the facility of its duty to implement this SPCC Plan in accordance with 40 CFR Part 112.

\_\_\_\_\_  
Lewis Davies, P.E.  
Senior Engineer  
Florida Registration No. 54787  
Engineering Bus. No. 8115



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## 1.0 INTRODUCTION, PURPOSE, AND SCOPE

This Spill Prevention, Control, and Countermeasure Plan (SPCC Plan, or Plan) for the LYNX Operations Center has been developed in accordance with 40 CFR Part 112. In this Plan, "oil" means any new or used material of petroleum origin, including but not limited to fuels (except LP Gas), motor oil, and other lubricants, hydraulic fluids, as well as oil of animal and vegetable origin. The facility exceeds the Part 112 threshold of 1,320 gallons of "oil" in aboveground tanks and containers, and therefore is subject to this regulation. Therefore, this Plan has been prepared and implemented in accordance with the requirements of Part 112 to minimize the potential for discharges of oil to waters of the United States. Compliance with 40 CFR Part 112 does not in any way relieve the facility from compliance with other federal, state or local laws.

**Appendix A** is a cross-reference listing the requirements of Part 112 and the respective parts of this Plan that discuss the facility's conformance with those requirements. Except as specifically detailed, the facility is in conformance with the currently applicable portions of the Part 112 regulations that became effective on August 16, 2002 and subsequent updates.

A copy of this SPCC Plan will be maintained on site, and will be made available to the U.S. Environmental Protection Agency (EPA) Regional Administrator for review during normal working hours.

This SPCC Plan is valid for five years, but will be revised and updated for any of the following reasons:

1. upon change of facility design or commissioning or decommissioning of any bulk storage tanks,
2. after two releases of more than 42 gallons during any consecutive twelve-month period,
3. after one release of more than 1,000 gallons, or
4. as required by the EPA or State agencies.

This SPCC Plan will also be appropriately amended when there is a change in the facility design, construction, personnel, operation or maintenance that materially affects its potential for a discharge of oil in harmful quantities into or upon the navigable waters of the United States or adjoining shorelines. Examples of changes that may require amendment of this Plan include, but are not limited to: commissioning, decommissioning, replacing, reconstructing, or relocating a tank, piping system, or secondary containment structure; material changes of product or service; or substantive revision of standard operation or maintenance practices. Any required amendment to this Plan will be completed within six months and will be implemented as soon as possible, but not later than six months following preparation of the amendment. Each required Plan amendment will be the subject of review and certification by a Professional Engineer (if applicable) and approval by management.

40 CFR §112.9 through §112.11 do not apply to this facility.

40 CFR 112 Subpart C - Requirements For Animal Fats And Oils And Greases, And Fish And Marine Mammal Oils; And For Vegetable Oils, Including Oils From Seeds, Nuts, Fruits, and Kernels does not apply to this facility.

40 CFR 112 Subpart D - Response Requirements does not apply to this facility because it does not transfer oil over water to or from vessels, and its total oil storage capacity is less than one million gallons. A certification of non-applicability is in **Appendix B**.

## 2.0 FACILITY DESCRIPTION

The LYNX Operations Center is located at 2500 Lynx Lane in Orlando, Orange County, Florida. The facility is currently operational and serves as the LYNX administrative headquarters and also performs fueling, washing, and maintenance services for LYNX vehicles. Recent improvements at the facility include the addition of a bio-diesel blending and product distribution plant. The facility covers approximately 25 acres, approximately 80 percent of which is covered by either buildings or paved areas. The remainder of the facility consists of landscaping and retention ponds. The facility includes a vehicle maintenance building (Building A), the main administrative building (Building B), a vehicle refueling/wash/lubrication area (Building C), and an aboveground storage tank farm (Building D). Separate areas are provided for personal and LYNX vehicle parking. The facility is bordered to the west by John Young Parkway, to the north by undeveloped land, to the south by Princeton Street, and to the east by commercial buildings and undeveloped land. The facility is bisected east to west by Lynx Lane.

The nearest surface water bodies are Lake Fairview, located approximately 4,000 feet to the northeast, and Lawne Lake, located approximately one mile to the southwest of the facility. Stormwater runoff from the paved exterior areas drains by sheet flow to catch basins that are connected to the retention ponds located along the western and southern sides of the property. Overflow from the catch basins goes to the storm sewer. Sanitary, maintenance building, and bus wash wastewater is discharged to oil-water separators, and then to the municipal sanitary sewer system, which discharges to the sewage treatment plant.

There are currently thirteen bulk aboveground storage tanks at the facility containing unleaded gasoline, diesel fuel, motor/lubrication oil, waste oil, and bio-diesel fuel.

A Site Map displaying the facility layout is included as **Figure 1**.

## 3.0 OIL STORAGE INVENTORY AND POTENTIAL SPILL PREDICTIONS

The storage inventory of petroleum products for each container that has a capacity of 55 gallons or more is summarized in **Table 1**. Also included is a prediction of the direction, rate of flow, and total quantity of oil which could be discharged from the facility as a result of each type of container or equipment failure. The location and contents of each container is displayed in **Figures 2 through 4**.

## 4.0 CONTAINMENT AND/OR DIVERSIONARY STRUCTURES OR EQUIPMENT TO PREVENT A DISCHARGE

The containment and/or diversionary structures or equipment that is provided for each container to prevent a discharge is summarized in **Table 1**.

## 5.0 FACILITY DRAINAGE

### 5.1 Drainage From Diked Outdoor Oil Storage Areas

The outdoor aboveground tanks located at Building D are equipped with localized secondary containment. Any overflow from the secondary containment structure would flow towards catch basins within the parking area or the trench drain located within the loading/unloading area, all of which are connected to oil water separators. The secondary containment structure located at Building D is equipped with floor drains to facilitate the evacuation of rain water. A valve, normally in the closed position, is used to drain the containment structure into an adjacent oil/water separator and retention pond following a rain event. Collected rain water with any signs of oil contamination will not be drained; rather, it will be removed and containerized for proper disposal. The Building D layout is displayed in **Figure 4**.

### 5.2 Drainage From Undiked Outdoor Oil Management Areas

With the exception of Building D, the facility's outdoor truck unloading areas are not diked. The locations of these undiked oil transfer areas are shown on **Figures 2 and 5**. Drainage from these areas could contain oil as the result of leaks or spills. If a leak or spill occurs during a transfer, the oil spill response procedures defined in this SPCC Plan will be implemented immediately. Oil spill booms and/or absorbent materials can be used to control the release and/or divert it away from local drainage courses. If the release is large, outside assistance will be obtained. If not, absorbents or equivalent measures will be used to directly contain the oil, followed by housekeeping measures as necessary to ensure that no residual oil remains that could adversely impact subsequent drainage from the area. Procedures to minimize the potential for an oil discharge during a transfer are discussed in Section 8.0 below and in **Appendix C**.

## 6.0 BULK STORAGE CONTAINERS

### 6.1 General

The facility will visually inspect all of its aboveground tanks, other containers, and its oil handling areas, on a monthly basis. A sample copy of the Monthly AST Inspection Form is kept on file in the Industrial Safety Office.

### 6.2 Stationary Aboveground Storage Tanks

At a minimum, each working AST is equipped with a manual or electronic level gauge and is filled under the direct supervision/observation of employees to no more than 90 percent of the tank's design capacity. A summary of the facility's stationary ASTs, including materials of construction and any secondary containment are included in **Table 1**.

### 6.3 Underground Storage Tanks

No underground storage tanks are utilized at this facility.

#### 6.4 Drums and Mobile/Portable Oil Storage Containers

When not in active use, all drums and totes are kept in locations where they could not reasonably be expected to discharge oil in harmful quantities into or upon the navigable waters of the United States or adjoining shorelines, which can include secondary containment or drainage to an oil/water separator.

### 7.0 TRANSFER OPERATIONS, PUMPING AND ON-SITE PROCESSES

Pressurized underground piping is utilized to transfer unleaded gasoline and diesel from the aboveground storage tanks located at Building D, to the fuel dispensing equipment located at Building C. The underground piping is fiberglass, double-walled with a fiberglass outer piping to contain leaks. Any leaks in the transfer piping are directed to a containment sump via the fiberglass outer piping (**Figure 4**).

Pressurized aboveground piping and related oil transfer equipment are utilized to transfer motor oil to the dispensing equipment located in Building A and C. Aboveground piping is also utilized to transfer waste oil to the appropriate aboveground storage tank. Aboveground valves, pipelines, and related appurtenances are visually inspected in association with the monthly AST inspections.

The driver of a vehicle entering any portion of the facility where aboveground oil piping exists and could be damaged by that vehicle will be warned to ensure that they will not endanger that piping or other oil transfer operations.

### 8.0 TANK TRUCK AND TANK CAR UNLOADING/LOADING

Fuel will be transferred from tanker trucks to the on-site aboveground storage tanks. Bio diesel fuel will also be transferred back into tank trucks as part of the onsite processing activities. The tank truck unloading/loading areas are not equipped with localized secondary containment, with the exception of Building D. Tank truck unloading/loading activities meet the minimum requirements of the U.S. Department of Transportation.

For each tank truck unloading/loading event, a physical barrier system, warning signs, wheel chocks, and/or a vehicle brake interlock system will be used to prevent the truck from departing before complete disconnection of the flexible or fixed oil transfer line. The contents of the gasoline and diesel fuel tanker trucks will be dispensed into the aboveground storage tanks located at Building D under negative pressure, lessening the likelihood of a significant release. Appropriate measures are included in the Truck Loading and Unloading Procedures which are included in **Appendix C**.

Prior to filling by any tank truck, the lowermost drain and all outlets of the tank truck will be closely inspected for the potential for discharge. If necessary, such drains and outlets will be tightened, adjusted, or replaced to prevent liquid discharge while in transit.

Except for Building D, the facility's outdoor truck unloading/loading areas do not have secondary containment. Runoff from those areas could contain oil and/or fuel as the result of leakage or spillage during a transfer. Per the facility Truck Unloading and Loading Procedures, each transfer will be continuously monitored. If oil or fuel leakage or spillage occurs, facility personnel will immediately implement the defined spill response procedures. Oil absorbents



and/or other means will be employed to prevent oil from entering a drainage feature. Absorbent materials will be used to clean up minor releases. Final cleanup and housekeeping measures will occur to the extent necessary to ensure that no residual oil remains that could contact and adversely impact subsequent drainage from the area.

## 9.0 INSPECTIONS, TESTS AND RECORDS

### 9.1 Inspections and Maintenance

The **Facility Spill Coordinator** or their designee conducts a documented visual inspection of all oil storage and handling areas on a monthly basis. In practice, employees normally observe the storage tanks and drums each workday. All oil storage and handling areas are visually inspected for signs of leaks or equipment deterioration that might result in a spill and/or discharge. Any identified deficiency is promptly reported and repaired as soon as is practicable. Deficient equipment is drained of oil and taken out of use if necessary to accommodate the required repairs and/or if a release may be imminent. In addition to response measures triggered by monthly inspections, corrective action is initiated promptly in response to any observed loss of oil from a container, including but not limited to leaks from seams, gaskets, piping, pumps, valves, etc.

The facility's routine preventive maintenance program for oil-containing equipment includes performing regularly scheduled equipment maintenance, conducting routine inspections, keeping appropriate types and quantities of spill response equipment and materials, and maintaining good housekeeping.

A sample copy of the Monthly AST Inspection Form is kept on file in the Industrial Safety Office.

### 9.2 Tests

In addition to the routine monthly inspection program, each AST is tested for leaks in accordance with the State of Florida storage tank regulations and manufacturer's recommendations.

### 9.3 Records

The recordkeeping requirements for the facility are included in **Appendix D**.

## 10.0 SECURITY

The facility is surrounded by fencing and equipped with a 24-hour security guard at the entrance gate. Visitor access to oil storage or handling areas is through either the administration building or security gate; only facility employees and persons accompanied by them are allowed in these areas.

All valves permitting direct outward flow of oil from a container are kept in the closed position when in non-operating or non-standby status.

Each oil pump is locked in the "off" position and located where only accessible to authorized personnel when the pump is in a non-operating or non-standby status.

All loading/unloading connections are securely capped or blank-flanged when not in service or when in standby service for an extended time, including piping that is emptied of liquid content either by draining or by inert gas pressure.

Lighting commensurate with the type and location of the facility is provided that will assist in: (1) the discovery of discharges occurring during hours of darkness, both by facility employees, if present, and by others (such as local police); and (2) the prevention of discharges occurring due to acts of vandalism.

## 11.0 EMPLOYEE TRAINING

All facility personnel involved with the handling of oil will be properly trained in general facility operations; applicable oil pollution control laws, rules and regulations; the operation and management of equipment to prevent discharges; discharge (spill) initial response procedures and protocols; and the contents and requirements of this SPCC Plan.

Training is provided by or at the direction of the **Facility Spill Coordinator**, who is accountable for discharge prevention and reports to LYNX management.

New employees involved with the handling of oil receive this training within two weeks of their initial work assignment. Refresher training is provided on an annual basis for all employees involved with handling of oil. Copies of Material Safety Data Sheets for bulk petroleum products maintained at the Lynx Operating Facility are provided in **Appendix E**.

The training highlights and describes any past spill or discharge incident at the facility that reached the environment, past equipment failures, component malfunctions, and any recently developed precautionary measures. A typical SPCC personnel training program outline and record forms are included as **Appendix E**.

## 12.0 OIL SPILL RESPONSE PROCEDURES

### Oil Spill Response Equipment

Spill supplies on-hand for spill cleanup includes absorbent materials, shovels, brooms, and empty drums for disposal of oil contaminated debris. Spill kits containing absorbent materials are located in Buildings A and C within close proximity to the aboveground tanks and oil transfer areas, the fueling facility, and maintenance building.

### Oil Spill Response Procedures

The facility's oil spill response procedures and release detection response level guidelines are included in **Appendix F**.

## Methods of Disposal of Recovered Materials

As described in the facility's spill response procedures, all materials recovered from a spill response will be appropriately containerized and labeled as to contents, date, nature of origination, etc. The facility will make a hazardous waste determination of each such containerized waste, in accordance with federal and state regulations. If the recovered material is determined to be a regulated waste, it will be managed and disposed of in accordance with the appropriate requirements. If recovered materials are determined to be non-regulated, they will be managed as part of the facility's routine solid waste stream. Disposal methods of recovered materials are included in the facility's spill response procedures in **Appendix F**.

## Spill Incident Reporting

### Federal

Federal regulations in 40 CFR §110.3 define a spill as the discharge of oil into, or upon the navigable waters of the United States or adjoining shoreline, in harmful quantities. Harmful quantities are defined as a discharge that violates applicable water quality standards or causes a sheen upon, or discoloration of, the surface water or adjoining shoreline. In the event that such a discharge of oil occurs, the **Facility Spill Coordinator** or their designee is to be notified immediately. That person will then immediately notify the National Response Center (NRC) at 800-424-8802. Federal spill reporting requirements are contained in the facility's spill response procedures in **Appendix F**.

### State

The applicable regulations (Chapter 62-762.451, F.A.C.) states that "upon discovery of an unreported discharge, the owner or operator shall report the following to the County on Discharge Report Form 62-761.900(1) within 24 hours or before the close of the County's next business day." A discharge includes a spill or overflow event of petroleum products (1) to soil or other pervious surface, equal to or exceeding 25 gallons, (2) to impervious surfaces (e.g. concrete) equal to or exceeding 100 gallons, or (3) inside a diked area equal to or exceeding 500 gallons. If an incident occurs at a facility, notification shall be sent to the County on Form 62-761.900(6) (included in **Appendix F**). A discharge shall be reported in accordance with Chapter 62.762.451(3), F.A.C. if one is discovered during the incident investigation. Per Chapter 62-762.201(39), F.A.C. an "incident" is a condition or situation indicating that a discharge may have occurred from a storage tank system. Per Chapter 62-762.201(67), F.A.C. a "release" means "(a) a discharge; or (b) a loss of regulated substances from a storage tank system into the system's secondary containment" and per Chapter 62-762.201(19), F.A.C. a "discharge" includes, but is not limited to, any spilling, leaking, seeping, pouring, misapplying, emitting, emptying, or dumping of any regulated substance which occurs and which affects lands and the surface and ground waters of the state." The facility will report any such spill, leak, or discharge to the FDEP State Warning Point Hotline (800/320-0519) within 24 hours. State spill reporting requirements are contained in the facility's spill response procedures in **Appendix F**.

The following are applicable state regulations for above ground storage tank systems and used oil management.

### **Chapter 62-762 – Aboveground Storage Tank Systems**

- 62-762.100 Intent (Repealed)
- 62-762.101 Intent
- 62-762.200 Definitions (Repealed)
- 62-762.201 Definitions.  
Provides definitions of terms used by the FDEP.
- 62-762.210 Reference Standards (Repealed)
- 62-762.211 Reference Standards  
States a listing of possible places where reference standards may be obtained.
- 62-762.300 Applicability (Repealed)
- 62-762.301 Applicability  
States the general requirements and exemptions that apply to the owners and operators of USTs.
- 62-762.400 Registration and registration Fees (Repealed)
- 62-762.401 Registration and Financial Responsibility  
States the general registration requirements, registration fees, and financial responsibility associated with the tanks.
- 62-762.410 Registration Fees (Repealed)
- 62-762.450 Notification and Financial Responsibility (Repealed)
- 62-762.451 Notification and Reporting
- 62-762.460 Reporting (Repealed)  
States the general notification procedures for installation of new tanks and notification and protocol for discharges.
- 62-762.480 Financial Responsibility (Repealed)
- 62-762.500 Performance Standards for New Storage Tank Systems (Repealed)
- 62-762.501 Performance Standards for category C Storage Tank Systems  
States the procedures for construction and installation of ASTs
- 62-762.510 Performance Standards for Existing Shop-Fabricated Storage Tank Systems (Repealed)
- 62-762.511 Performance Standards for Category –A and Category –B Storage tank Systems.  
Provides the deadlines for Category –A and Category – B storage tank systems to meet the standards for Category –C storage tank systems in accordance with Rule 62-762.501, F.A.C.

- 62-762.520 Performance Standards for Existing Field-Erected Storage Tank Systems (Repealed)
- 62-762.590 Containment and Integrity Plans for Mineral Acid Storage Tanks (Repealed)
- 62-762.600 General Release Detection Standards (Repealed)
- 62-762.601 Release Detection Standards.  
States the standards and methods of release detection required.
- 62-762.611 Release Detection Methods.  
States the various methods required for release detection.
- 62-762.641 Performance Standards for Release Detection Methods.  
States the standards the release detection methods must adhere to.
- 62-762.700 Repairs, Operation and Maintenance of Storage Tank Systems (Repealed)
- 62-762.701 Repairs, Operation and Maintenance of Storage Tank Systems  
Describes standards for operation, maintenance, and repairs of ASTs and also stormwater management from secondary containment systems.
- 62-762.710 Recordkeeping and Inventory Requirements (Repealed)
- 62-762.711 Recordkeeping  
States that all records shall be dated, maintained, and available for inspection from the FDEP.
- 62-762.720 Inventory Requirements (Repealed)
- 62-762.730 Operating Requirements for Cathodic Protection (Repealed)
- 62-762.800 Out-of-Service and Closure Requirements (Repealed)
- 62-762.801 Out-of-Service and Closure Requirements  
States the procedures for adding regulated substances back into out-of-service tanks as well as requirements for closure of storage tank systems.
- 62-762.820 Discharge Reporting and Response (Repealed)
- 62-762.821 Incident and Discharge Response  
States the protocol for investigation of a discharge and the subsequent notification procedures.
- 62-762.840 Locally Administered Programs (Repealed)
- 62-762.850 Equipment Approval and Alternate Procedures (Repealed)
- 62-762.851 Alternative Requirements and Equipment Approvals  
States the protocol for requesting a determination that any requirement of this chapter shall not apply to a regulated storage tank system at a facility, and the requesting of approval of alternate procedures or requirements.
- 62-762.860 Approval of Storage Tank Systems and Release Detection Equipment (Repealed)
- 62-762.891 Mineral Acid Storage Tank Requirements

An overview of terms used, requirements, registration of tanks, and incident reporting for mineral acid tanks.

- 62-762.900 Forms (Repealed)
- 62-762.901 Storage Tank Forms  
States the forms needed for the installation and operation of ASTs. They may be obtained from the FDEP.

#### **Chapter 62-710 – Used Oil Management**

- 62-710.100 Intent (Repealed)
- 62-710.200 Definitions (Repealed)
- 62-710.201 Definitions
- 62-710.210 Documents Incorporated by Reference  
General provisions relating to solid waste management may be found in this chapter, including statements of intent, definitions, prohibitions, general permitting requirements, alternate procedures, and forms.
- 62-710.300 Applicability
- 62-710.400 Prohibitions (Repealed)
- 62-710.401 Prohibitions
- 62-710.500 Registration and Notification  
Used oil transporters, processors, marketers, and burners shall register their used oil handling activities with the FDEP.
- 62-710.510 Record Keeping and Reporting  
Each facility shall maintain records on an FDEP form and be retained for a period of three years. These records shall be kept at the street address of the facility and shall be available for inspection by the FDEP during normal business hours.
- 62-710.520 Reporting (Repealed)
- 62-710.530 Exemptions (Repealed)
- 62-710.600 Certification of Used Oil Transporters  
States the requirements and exceptions of a used oil transporter.
- 62-710.800 Permits for Used Oil Processing Facilities  
This rule shall apply to any owner or operator of a facility which processes used oil.
- 62-710.850 Management of Used Oil Filters  
This rule provides regulations on disposal of used oil and oil filters, and notification requirements for releases.
- 62-710.900 Forms (Repealed)
- 62-710.901 Used Oil Processing Permit Application and Instructions, December 23, 1996. This section states the form and instruction used by the FDEP and may be obtained by writing to FDEP.

## Tables

Table 1 - Oil Storage Inventory and Potential Spill Summary

General Location or Area	Contents	Type of Tank or Container, Base or Foundation, Inventory Control, Piping, Year Installed (Tank)	Tank No., or Max. No. of Containers	Total Capacity (gal.) <sup>1</sup>	Potential Spill Volume (gal.) <sup>2</sup>	Max. Spill Rate (gpm)	Spill Direction and Receiving Point	Remarks
<i>LYNX Operations Center</i>								
Building D	Unleaded Gasoline	Double-walled steel inner wall with steel outer wall AST equipped with flow shut-off, tight fill, spill containment bucket, level gauges, high-level alarms. Steel double-walled aboveground pressurized piping. Double-walled pressurized underground piping. Interstitial tank and piping monitoring, automated tank gauging.	1	10,000	10,000	Rupture/Leak	Concrete Secondary Containment Structure, Stormwater and Trench Drains, Oil/Water Separator, Retention Pond	Installed 2007
Building D	Diesel Fuel	Double-walled steel inner wall with steel outer wall AST equipped with flow shut-off, tight fill, spill containment bucket, level gauges, high-level alarms. Steel double-walled aboveground pressurized piping. Double-walled pressurized underground piping. Interstitial tank and piping monitoring, automated tank gauging.	2	30,000	30,000	Rupture/Leak	Concrete Secondary Containment Structure, Stormwater and Trench Drains, Oil/Water Separator Retention Pond	Installed 2007

<sup>1</sup> For a tank, its design capacity. For containers, the combined capacity of the maximum number of containers having individual capacities of 55 gallons or more each.

<sup>2</sup> Volume of the largest single tank or container, or volume of the largest compartment of a truck that oil is transferred to or from, whichever is larger.



Table 1 - Oil Storage Inventory and Potential Spill Summary

General Location or Area	Contents	Type of Tank or Container, Base or Foundation, Inventory Control, Piping, Year Installed (Tank)	Tank No., or Max. No. of Containers	Total Capacity (gal.) <sup>1</sup>	Potential Spill Volume (gal.) <sup>2</sup>	Max. Spill Rate (gpm)	Spill Direction and Receiving Point	Remarks
Building D	Diesel Fuel	Double-walled steel inner wall with steel outer wall AST equipped with flow shut-off, tight fill, spill containment bucket, level gauges, high-level alarms. Steel double-walled aboveground pressurized piping. Double-walled pressurized underground piping. Interstitial tank and piping monitoring, automated tank gauging.	3	30,000	30,000	Rupture/Leak	Concrete Secondary Containment Structure, Stormwater and Trench Drains, Oil/Water Separator Retention Pond	Installed 2007
Building D	Bio-diesel fuel	Double-walled steel inner wall with steel outer wall AST equipped with flow shut-off, tight fill, spill containment bucket, level gauges, high-level alarms. Steel double-walled aboveground pressurized piping. Double-walled pressurized underground piping. Interstitial tank and piping monitoring, automated tank gauging.	12	25,000	25,000	Rupture/Leak	Concrete Secondary Containment Structure, Stormwater and Trench Drains, Oil/Water Separator Retention Pond	Installed 2009
Building C	Diesel fuel	Double-walled steel inner wall with steel outer wall AST	13	400	400	Rupture/Leak	Double walled	Installed 2009

<sup>1</sup> For a tank, its design capacity. For containers, the combined capacity of the maximum number of containers having individual capacities of 55 gallons or more each.

<sup>2</sup> Volume of the largest single tank or container, or volume of the largest compartment of a truck that oil is transferred to or from, whichever is larger.

Table 1 - Oil Storage Inventory and Potential Spill Summary

General Location or Area	Contents	Type of Tank or Container, Base or Foundation, Inventory Control, Piping, Year Installed (Tank)	Tank No., or Max. No. of Containers	Total Capacity (gal.) <sup>1</sup>	Potential Spill Volume (gal.) <sup>2</sup>	Max. Spill Rate (gpm)	Spill Direction and Receiving Point	Remarks
Building A	Motor\ Lube Oil	Double-walled steel inner wall with steel outer wall AST equipped with flow shut-off, tight fill, level gauges, high-level alarms. Steel double-walled aboveground pressurized piping. Interstitial tank monitoring, automated tank gauging.	7	2,000	2,000	Rupture/Leak	Concrete Secondary Containment Structure	Installed 2007
Building A	Motor\ Lube Oil	Double-walled steel inner wall with steel outer wall AST equipped with flow shut-off, tight fill, level gauges, high-level alarms. Steel double-walled aboveground pressurized piping. Interstitial tank monitoring, automated tank gauging.	8	500	500	Rupture/Leak	Concrete Secondary Containment Structure	Installed 2007
Building A	Motor\ Lube Oil	Double-walled steel inner wall with steel outer wall AST equipped with flow shut-off, tight fill, level gauges, high-level alarms. Steel double-walled aboveground pressurized piping. Interstitial tank monitoring, automated tank gauging.	9	500	500	Rupture/Leak	Concrete Secondary Containment Structure	Installed 2007
Building A	Differential Fluid	Double-walled steel inner wall with steel outer wall AST equipped with flow shut-off, tight fill, level gauges, high-level alarms. Steel double-walled aboveground pressurized piping. Interstitial tank monitoring, automated tank gauging.	10	500	500	Rupture/Leak	Concrete Secondary Containment Structure	Installed 2007

<sup>1</sup> For a tank, its design capacity. For containers, the combined capacity of the maximum number of containers having individual capacities of 55 gallons or more each.

<sup>2</sup> Volume of the largest single tank or container, or volume of the largest compartment of a truck that oil is transferred to or from, whichever is larger.

Table 1 - Oil Storage Inventory and Potential Spill Summary

General Location or Area	Contents	Type of Tank or Container, Base or Foundation, Inventory Control, Piping, Year Installed (Tank)	Tank No., or Max. No. of Containers	Total Capacity (gal.) <sup>1</sup>	Potential Spill Volume (gal.) <sup>2</sup>	Max. Spill Rate (gpm) Rupture/Leak	Spill Direction and Receiving Point	Remarks
Building C	Transmission Fluid	Double-walled steel inner wall with steel outer wall AST equipped with flow shut-off, tight fill, level gauges, high-level alarms. Steel double-walled aboveground pressurized piping. Interstitial tank monitoring, automated tank gauging.	4	500	500	Rupture/Leak	Concrete Secondary Containment Structure	Installed 2007
Building C	Motor\ Lube Oil	Double-walled steel inner wall with steel outer wall AST equipped with flow shut-off, tight fill, level gauges, high-level alarms. Steel double-walled aboveground pressurized piping. Interstitial tank monitoring, automated tank gauging.	5	500	500	Rupture/Leak	Concrete Secondary Containment Structure	Installed 2007
Building C	Transmission Fluid	Double-walled steel inner wall with steel outer wall AST equipped with flow shut-off, tight fill, level gauges, high-level alarms. Steel double-walled aboveground pressurized piping. Interstitial tank monitoring, automated tank gauging.	6	500	500	Rupture/Leak	Concrete Secondary Containment Structure	Installed 2007
Building A	Transmission Fluid	Double-walled steel inner wall with steel outer wall AST equipped with flow shut-off, tight fill, level gauges, high-level alarms. Steel double-walled aboveground pressurized piping. Interstitial tank monitoring, automated tank gauging.	11	500	500	Rupture/Leak	Concrete Secondary Containment Structure	Installed 2007

<sup>1</sup> For a tank, its design capacity. For containers, the combined capacity of the maximum number of containers having individual capacities of 55 gallons or more each.

<sup>2</sup> Volume of the largest single tank or container, or volume of the largest compartment of a truck that oil is transferred to or from, whichever is larger.

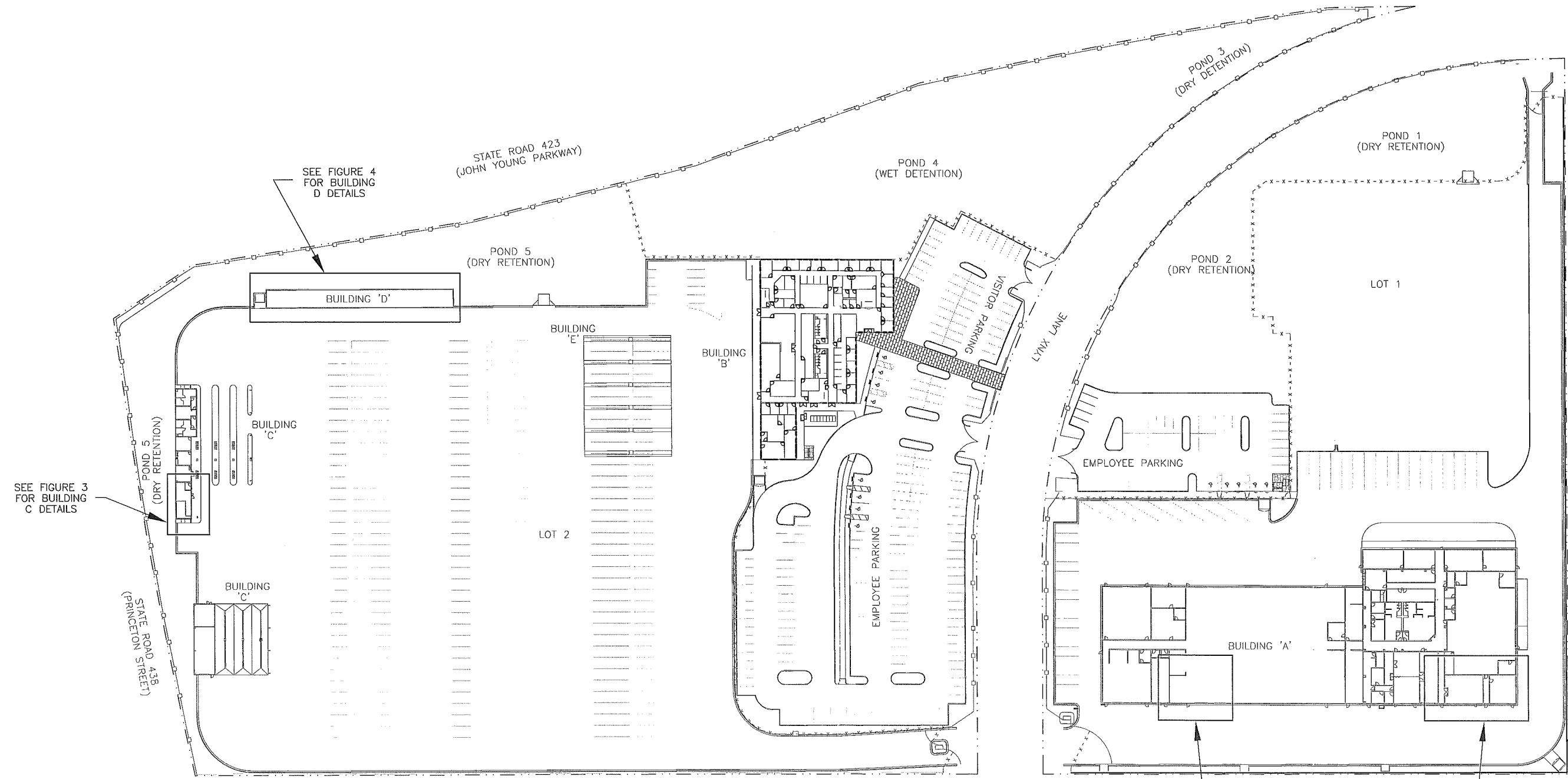
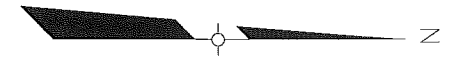
Table 1 - Oil Storage Inventory and Potential Spill Summary

General Location or Area	Contents	Type of Tank or Container, Base or Foundation, Inventory Control, Piping, Year Installed (Tank)	Tank No., or Max. No. of Containers	Total Capacity (gal.) <sup>1</sup>	Potential Spill Volume (gal.) <sup>2</sup>	Max. Spill Rate (gpm)	Spill Direction and Receiving Point	Remarks
Building C	Various motor/lube oil, transmission fluid	55-gallon drums	Approx 8	440	440	Rupture/Leak	Inside building	
Building A	Various waste oil, antifreeze, and diesel fuel.	55-gallon drums	Approx 25	1375	1375	Rupture/Leak	Inside building	
Building A	Waste oil	Single-walled steel	1 tank	250	250	Rupture/Leak	polyethelene secondary containment structure	

<sup>1</sup> For a tank, its design capacity. For containers, the combined capacity of the maximum number of containers having individual capacities of 55 gallons or more each.

<sup>2</sup> Volume of the largest single tank or container, or volume of the largest compartment of a truck that oil is transferred to or from, whichever is larger.

## Figures



SEE FIGURE 3  
FOR BUILDING  
C DETAILS

SEE FIGURE 4  
FOR BUILDING  
D DETAILS

SEE FIGURE 5  
FOR BUILDING  
A DETAILS

SEE FIGURE 2  
FOR BUILDING  
A DETAILS

UNDEVELOPED

UNDEVELOPED

UNDEVELOPED

LEGEND

- PROPERTY BOUNDARY
- FENCE
- X-X- CHAINLINK FENCE

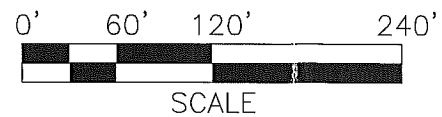
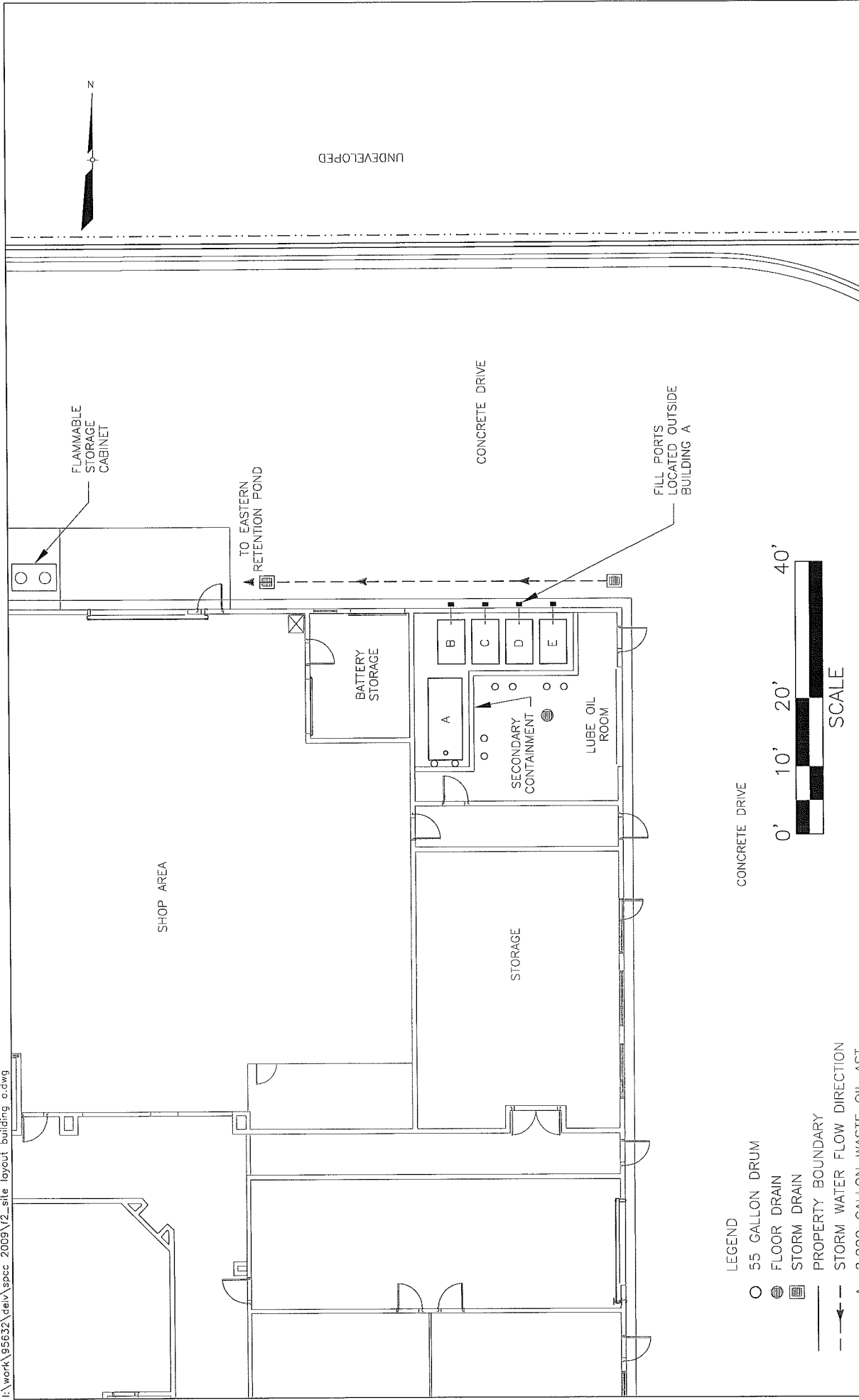


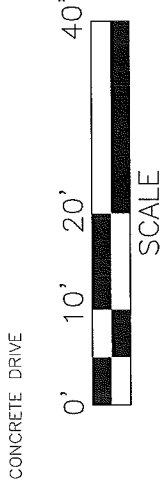
FIGURE 1  
SITE MAP

LYNX TRANSIT OPERATIONS BASE  
PRINCETON STREET AND JOHN YOUNG PARKWAY

REVISED BY: JJJ  
DRAWN BY: JJJ  
L:\work\95632\DELTA\SPCC 2009\F1\_SITE\_MAP.dwg

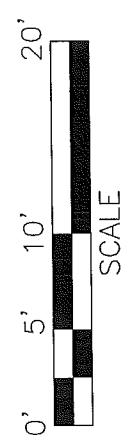
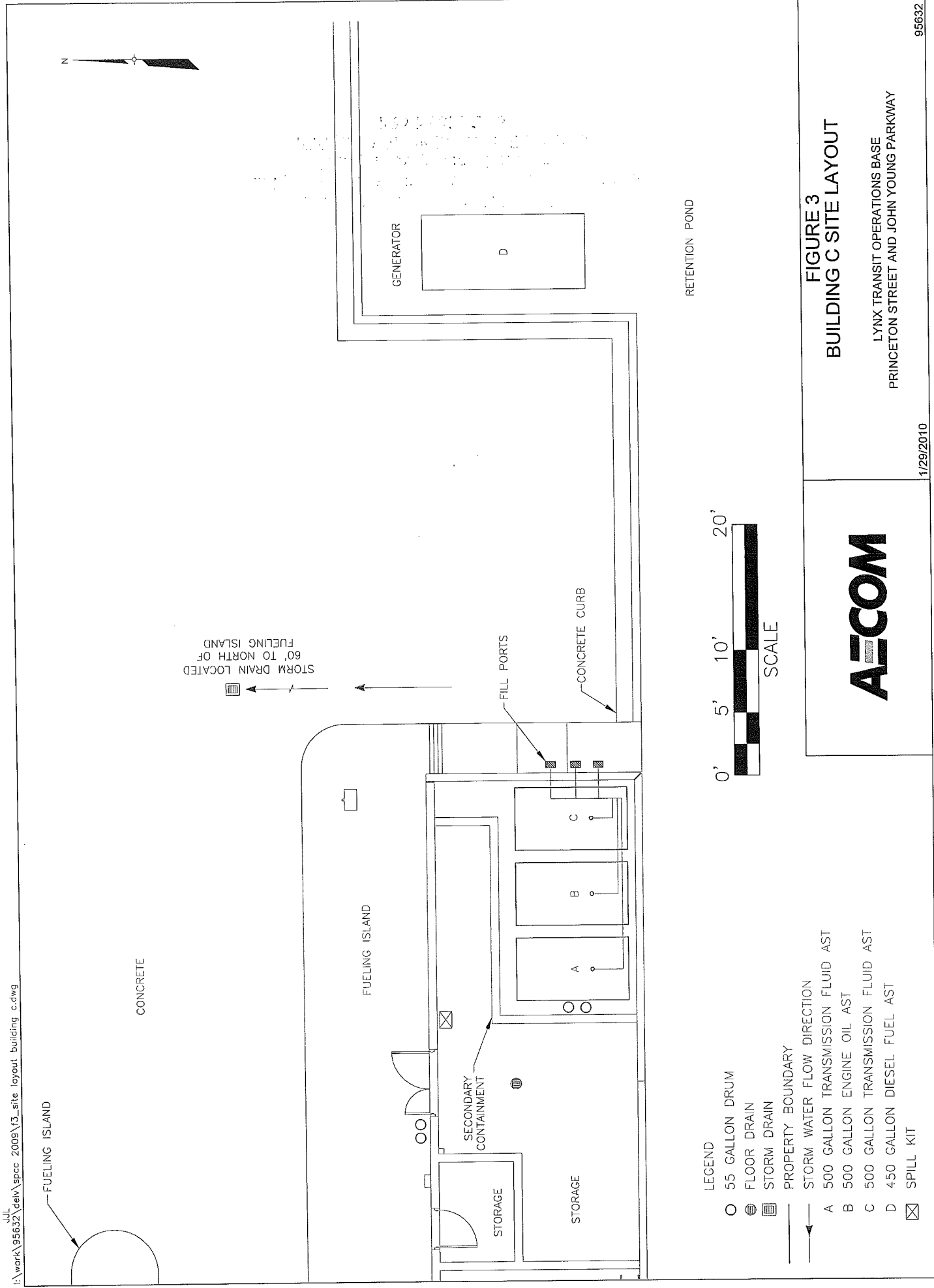


- LEGEND
- 55 GALLON DRUM
  - ⊙ FLOOR DRAIN
  - ⊚ STORM DRAIN
  - PROPERTY BOUNDARY
  - STORM WATER FLOW DIRECTION
  - A 2,000 GALLON WASTE OIL AST
  - B 500 GALLON ENGINE OIL AST
  - C 500 GALLON ENGINE OIL AST
  - D 500 GALLON DIFFERENTIAL FLUID AST
  - E 500 GALLON TRANSMISSION FLUID AST
  - ⊠ SPILL KIT



**FIGURE 2**  
**BUILDING A LUBE OIL ROOM**  
**SITE LAYOUT**  
 LYNX TRANSIT OPERATIONS BASE  
 PRINCETON STREET AND JOHN YOUNG PARKWAY



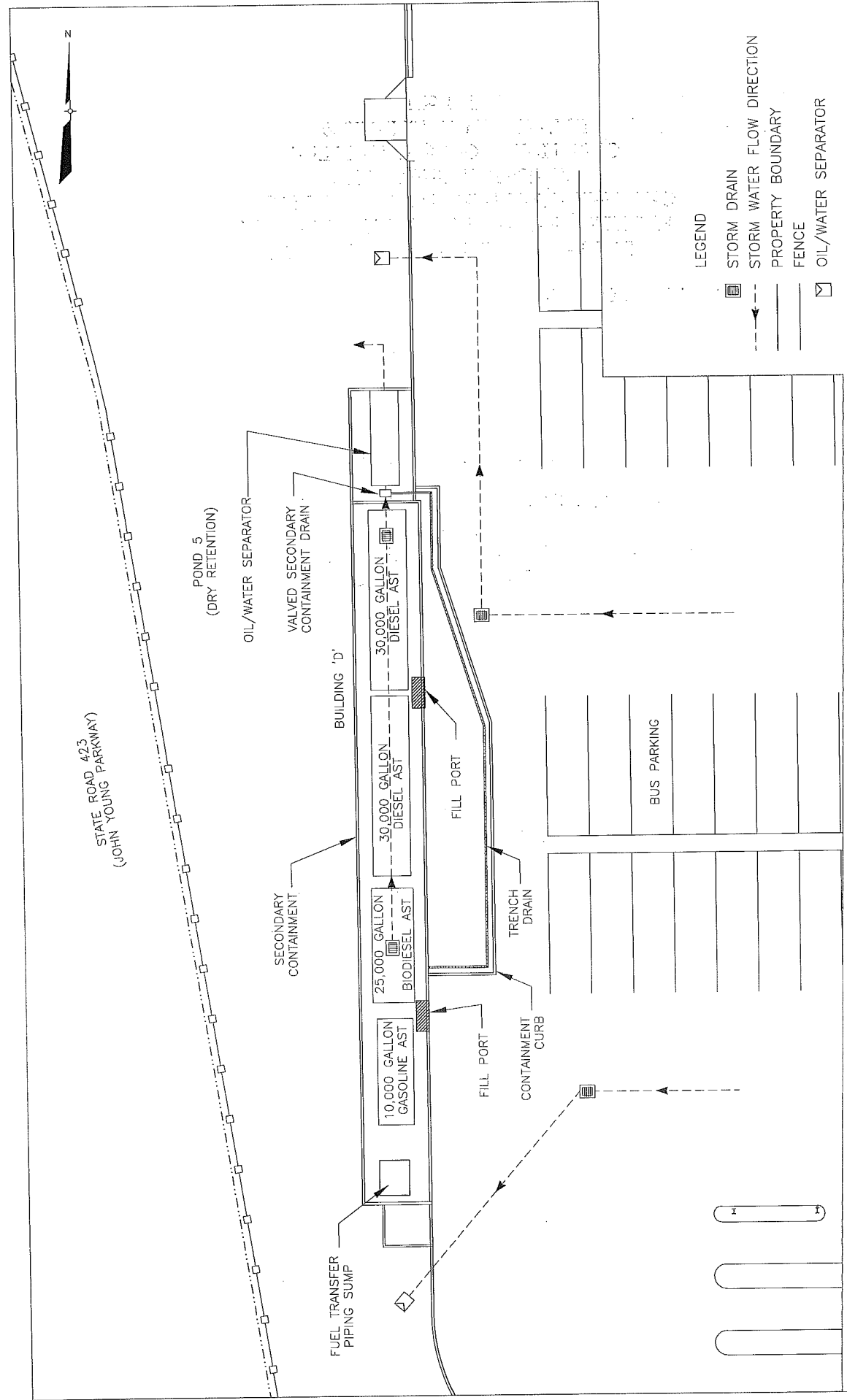


- LEGEND
- 55 GALLON DRUM
  - ⊕ FLOOR DRAIN
  - ⊞ STORM DRAIN
  - PROPERTY BOUNDARY
  - STORM WATER FLOW DIRECTION
  - A 500 GALLON TRANSMISSION FLUID AST
  - B 500 GALLON ENGINE OIL AST
  - C 500 GALLON TRANSMISSION FLUID AST
  - D 450 GALLON DIESEL FUEL AST
  - ⊠ SPILL KIT

**FIGURE 3**  
**BUILDING C SITE LAYOUT**  
LYNX TRANSIT OPERATIONS BASE  
PRINCETON STREET AND JOHN YOUNG PARKWAY





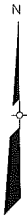


- LEGEND**
- STORM DRAIN
  - STORM WATER FLOW DIRECTION
  - PROPERTY BOUNDARY
  - FENCE
  - OIL/WATER SEPARATOR

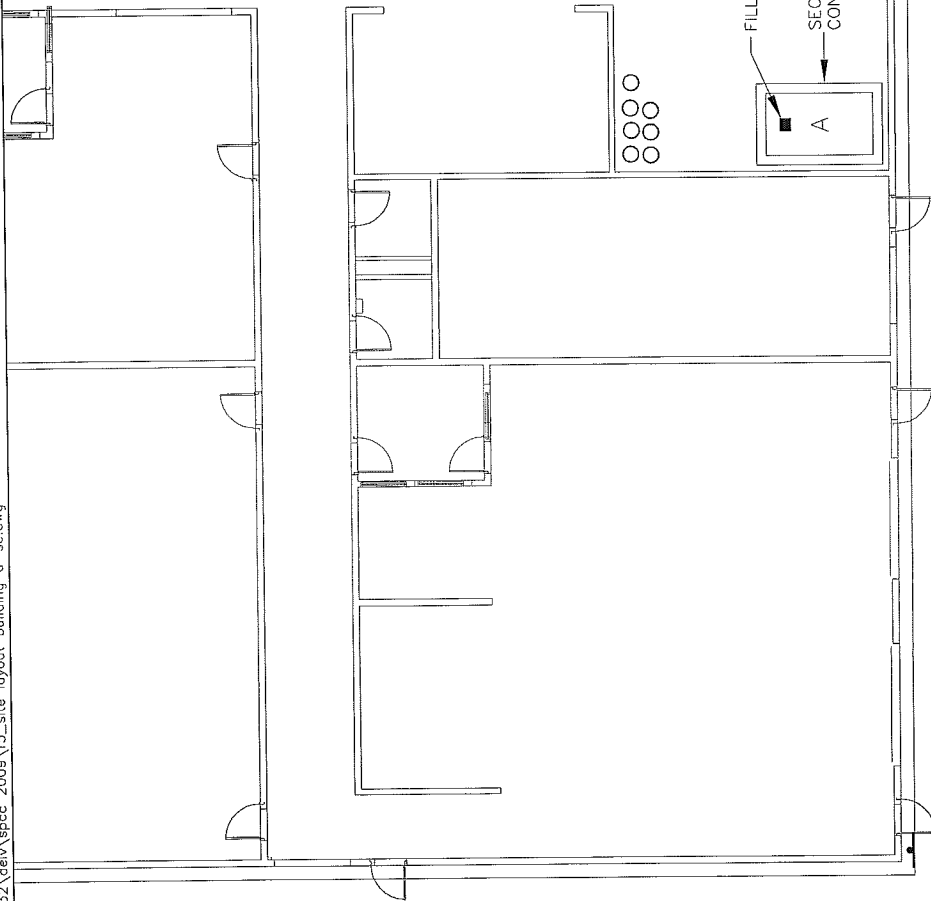
**FIGURE 4  
BUILDING D SITE LAYOUT**

LYNX TRANSIT OPERATIONS BASE  
PRINCETON STREET AND JOHN YOUNG PARKWAY

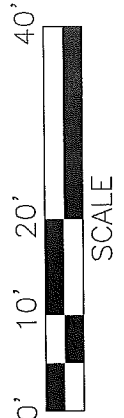




MAINTENANCE AREA



- 55 GALLON DRUM
- STORM WATER FLOW DIRECTION
- A 250 GALLON WASTE OIL AST



SCALE



FIGURE 5  
BUILDING A MAINTENANCE AREA  
SITE LAYOUT

LYNX TRANSIT OPERATIONS BASE  
PRINCETON STREET AND JOHN YOUNG PARKWAY

## **Appendix A**

### **SPCC Rule Cross-Reference**

### SPCC Rule Cross-Reference

This table provides a cross-reference for the requirements listed in the August, 2002 SPCC regulations in 40 CFR Part 112 and subsequent updates with the equivalent requirements contained in the facility's SPCC Plan. It lists each requirement in those regulations, lists the corresponding paragraph (if any) in the previous version of the regulations, provides a brief summary description of the requirement, and indicates the section number of the facility's SPCC Plan in which the requirement is addressed. The Table of Contents identifies the page number for the respective SPCC Plan section. For each listed requirement, the referenced SPCC Plan section provides a discussion of the facility's conformance with the listed requirement.

Current SPCC Rule	Description of Requirement	SPCC Plan Section
§ 112.1	General applicability	1.0
§ 112.2	Definitions	(Not Applicable)
§ 112.3(a)-(c)	Timeframe to prepare SPCC Plan	(Not Applicable)
§ 112.3(d)	Certification by Licensed PE	Approvals Page
§ 112.3(e)	Onsite maintenance and availability of SPCC Plan	1.0
§ 112.4	Amendment of SPCC Plan by EPA Regional Administrator	Not Applicable
§ 112.5	Amendment of SPCC Plan by the facility	1.0
§ 112.6(a)-(d)	Qualified Facility Plan Requirements	Not Applicable
§ 112.7	General requirements for SPCC Plans for all facilities and all oil types.	Entire Plan
§ 112.7	Management approval of the SPCC Plan	Approvals Page
§ 112.7(a)	General requirements; discussion of facility's conformance with rule requirements; deviations from Plan requirements; facility characteristics that must be described in the Plan; spill reporting information in the Plan; emergency procedures.	Entire Plan
§ 112.7(b)	Fault analysis.	(Not Applicable)
§ 112.7(c)	Secondary containment.	4.0, Table 1
§ 112.7(d)	Contingency planning.	5.0, 12.0
§ 112.7(e)	Inspections, tests, and records.	9.0

**SPCC Rule Cross-Reference**

<b>Current SPCC Rule</b>	<b>Description of Requirement</b>	<b>SPCC Plan Section</b>
§ 112.7(f)	Employee training and discharge prevention procedures.	11.0
§ 112.7(g)	Security (excluding oil production facilities).	10.0
§ 112.7(h)	Unloading/loading (excluding offshore facilities).	8.0
§ 112.7(i)	Brittle fracture evaluation requirements.	(Not Applicable)
§ 112.7(j)	Conformance with State requirements.	12.0
§ 112.8(k)	Qualified oil-filled operational equipment	Entire Plan
§ 112.8 § 112.12	Requirements for onshore facilities (excluding production facilities).	Entire Plan
§ 112.8(a) § 112.12(a)	General and specific requirements.	Entire Plan
§ 112.8(b) § 112.12(b)	Facility drainage.	5.0
§ 112.8(c) § 112.12(c)	Bulk storage containers.	6.0
§ 112.8(d) § 112.12(d)	Facility transfer operations, pumping, and facility process.	7.0
§ 112.9 § 112.13	Requirements for onshore production facilities.	(Not Applicable)
§ 112.9(a) § 112.13(a)	General and specific requirements.	(Not Applicable)
§ 112.9(b) § 112.13(b)	Oil production facility drainage.	(Not Applicable)
§ 112.9(c) § 112.13(c)	Oil production facility bulk storage containers.	(Not Applicable)
§ 112.9(d) § 112.13(d)	Facility transfer operations, oil production facility.	(Not Applicable)
§ 112.10 § 112.14	Requirements for onshore oil drilling and workover facilities.	(Not Applicable)

**SPCC Rule Cross-Reference**

<b>Current SPCC Rule</b>	<b>Description of Requirement</b>	<b>SPCC Plan Section</b>
§ 112.10(a) § 112.14(a)	General and specific requirements.	(Not Applicable)
§ 112.10(b) § 112.14(b)	Mobile facilities.	(Not Applicable)
§ 112.10(c) § 112.14(c)	Secondary containment - catchment basins or diversion structures.	(Not Applicable)
§ 112.10(d) § 112.14(d)	Blowout prevention (BOP).	(Not Applicable)
§ 112.11 § 112.15	Requirements for offshore oil drilling, production, or workover facilities.	(Not Applicable)
§ 112.11(a) § 112.15(a)	General and specific requirements.	(Not Applicable)
§ 112.11(b) § 112.15(b)	Facility drainage.	(Not Applicable)
§ 112.11(c) § 112.15(c)	Sump systems.	(Not Applicable)
§ 112.11(d) § 112.15(d)	Discharge prevention systems for separators and treaters.	(Not Applicable)
§ 112.11(e) § 112.15(e)	Atmospheric storage or surge containers; alarms.	(Not Applicable)
§ 112.11(f) § 112.15(f)	Pressure containers; alarm systems.	(Not Applicable)
§ 112.11(g) § 112.15(g)	Corrosion protection.	(Not Applicable)
§ 112.11(h) § 112.15(h)	Pollution prevention system procedures.	(Not Applicable)
§ 112.11(i) § 112.15(i)	Pollution prevention systems; testing and inspection.	(Not Applicable)
§ 112.11(j) § 112.15(j)	Surface and subsurface well shut-in valves and devices.	(Not Applicable)
§ 112.11(k) § 112.15(k)	Blowout prevention.	(Not Applicable)
§ 112.11(l) § 112.15(l)	Manifolds.	(Not Applicable)

**SPCC Rule Cross-Reference**

<b>Current SPCC Rule</b>	<b>Description of Requirement</b>	<b>SPCC Plan Section</b>
§ 112.11(m) § 112.15(m)	Flowlines, pressure sensing devices.	(Not Applicable)
§ 112.11(n) § 112.15(n)	Piping; corrosion protection.	(Not Applicable)
§ 112.7	General requirements for SPCC Plans for all facilities and all oil types.	Entire Plan
§ 112.7	Management approval of the SPCC Plan	Approvals Page

## **Appendix B**

### **Certification of the Applicability of the No Substantial Harm Criteria**



**CERTIFICATION OF THE APPLICABILITY  
OF THE NO SUBSTANTIAL HARM CRITERIA CHECKLIST**  
(40 CFR 112 Appendix C, Attachment C-II)

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 √
2. Does the facility have a total oil storage capacity greater than or equal to 1 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 tank area? Yes \_\_\_ No √
3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the formula in Attachment C-III, Appendix C, 40 CFR 112 or a comparable formula<sup>1</sup>) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments? For further description of fish and wildlife and sensitive environments, see Appendices I, II, and III to DOC/NOAA's "Guidance for Facility and Vessel Response Environments" (Section 10, Appendix F, 40 CFR 112 for availability) and the applicable Area Contingency Plan. Yes \_\_\_ No √
4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula (Attachment C-III, Appendix C, 40 CFR 112 or a comparable formula<sup>1</sup>) such that a discharge from the facility would shut down a public drinking water intake<sup>2</sup>? Yes \_\_\_ No √
5. Does the facility have a total oil storage capacity greater than or equal to 1 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 5 years? Yes \_\_\_ No √

**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.

Steve Robinson  
Name (please print or type)

\_\_\_\_\_  
Signature

Superintendent of the facility  
Title

\_\_\_\_\_  
Date

<sup>1</sup> If a comparable formula is used, documentation of the reliability and analytical soundness of the comparable formula must be attached to this form.

<sup>2</sup> For the purposes of 40 CFR part 112, public drinking water intakes are analogous to public water systems as described at 40 CFR 143.2(c) (from 40 CFR 112 Appendix C, Attachment C-II).

## **Appendix C**

### **Truck Unloading and Loading Procedures**

## Oil Truck Unloading and Loading Procedures

Mishaps associated with transfers of bulk oil from a truck to a storage tank, or from a tank to a truck (e.g., used oil), pose a potential for spills in the transfer area. The following procedures are to be used to prevent a spill, and to minimize the impact if one does occur:

1. A facility employee, and the truck driver are to continuously attend each transfer.
2. Smoking is prohibited within 25 feet of any part of the transfer system.
3. Position the truck, chock its wheels, put up signs or physical barriers if necessary, and have the truck driver set the vehicle's manual brake and turn off the engine (unless it is required to operate a pump).
4. Verify location and contents of spill kits.
5. Put a spill collection pail, drip pan, or oil absorbent pads beneath all hose connections that may be prone to leakage, before starting the transfer. If appropriate, use portable curbing or a mat to isolate the transfer area from a nearby storm drainage feature.
6. Make sure all valves are closed, then connect and secure the transfer hose.
7. Tell the truck driver the approximate amount of the transfer, and assure that the working capacity of the tank or truck (normally 90% of design capacity) will not be exceeded.
8. Open the valves and check for leaks. If a leak occurs, close valve, safely drain lines, check connections and try to contain any oil.
9. Start the transfer, with both the truck driver and an employee present within 25 feet and in view of the hose and/or tank at all times.
10. Monitor for leaks while unloading. If a leak occurs, immediately stop the transfer until the leak has been eliminated, and try to contain the oil on pavement. If any oil reaches soil, water, or a storm drain, immediately notify the facility manager.
11. Stop the flow when the working capacity of the receiving vessel has been reached, or the desired amount has been transferred, whichever occurs first, and close all transfer valves.
12. Disconnect the transfer hose so that no oil is spilled. If the hose is not designed to remain filled, blow it empty, or drain it into a collection device and transfer the collected oil into an appropriate tank or other container, or the truck.
13. Again check the truck for leakage and the transfer area for spilled oil, and notify the facility manager and/or the **Facility Spill Coordinator** (or designee) of any release.
14. Remove the wheel chocks and any signs or barriers before releasing the truck.

## **Appendix D**

### **Facility Recordkeeping Requirements**

## **LYNX Facility Recordkeeping Requirements**

The following records are maintained in the Industrial Safety Office for a minimum of three years from the date they are created (or as otherwise specified below) in support of this SPCC Plan: [§112.7(e); §112.8(c)(iv)]

- a. Completed records of monthly visual inspections of AST (keep for 3 years, per EPA rules).
- b. Records of drainage of outdoor diked areas, and any associated records required under permits issued in accordance with 40 CFR Parts 112.41(j)(2) and (m)(3). [§112.8(c)(3)(iv)]
- c. Documentation of major repairs and/or upgrades made to ASTs or their appurtenances or secondary containment structures, in response to deficiencies identified during the monthly visual inspections.
- d. Documentation of training sessions for all oil handling personnel.
- e. Tank integrity test results for ASTs (keep for 3 years, per EPA rules).

**MONTHLY INSPECTION FORM  
ABOVEGROUND PETROLEUM STORAGE AND DISTRIBUTION SYSTEMS**

MONTH AND YEAR \_\_\_\_\_

**Facility:** LYNX Operations Center, 2500 Lynx Lane, Orlando, Florida 32804

**Condition of Tank and Ancillary Equipment**

<i>Tank Number:</i>					
Exterior Condition					
Supports and Foundations (visible portion)					
Surrounding Area (no evidence of leak or spill)					
Markings (contents, tank number, total & working capacities)					
Secondary Containment (if other than double walled tank)					
Piping, Valves, Pumps, and their Supports					
Gauge and/or High Level Alarm					
Leak Detection System					
Fill Port Locked (if outdoors and not fenced)					
Fill Port Color Coding					
Liquid in Outdoor Secondary Containment Inspected and Drained					

- Notes: (1) "OK" means no leak, spill, crack, malfunction, missing item, significant corrosion or settling, etc.  
 (2) "NO" means that one or more deficiencies were identified (describe below).  
 (3) "NA" means that the topic is not applicable to that tank.  
 (4) Report any deficiency immediately.  
 (5) Keep this inspection report for three years.

Comments:

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**Inspection Requirements:**

- (1) Inspect exterior surfaces of tanks, other containers, pipes, valves and other equipment for leaks and maintenance deficiencies;
- (2) Identify cracks, areas of wear, corrosion and thinning, poor maintenance and operating practices, excessive settlement of structures, separation or swelling of tank insulation, malfunctioning equipment and structural and foundation weaknesses; and
- (3) Inspect and monitor all leak detection systems, cathodic protection monitoring equipment, or other monitoring or warning systems which may be in place at the facility.

Certification: I hereby certify that this inspection has been performed in a manner consistent with the applicable requirements of Chapter 62-761, F.A.C.

\_\_\_\_\_  
Inspectors Printed Name

\_\_\_\_\_  
Inspector's Signature In Full

\_\_\_\_\_  
Date

## **Appendix E**

### **Typical SPCC Personnel Training Program Outline and Record**

## Typical SPCC Plan Personnel Training Program Outline

### A. Program Intent

- Federal (U.S. EPA) program for proper onsite management and handling of oil, prevention of spills, and proper spill response if spills occur. The U. S. EPA could inspect facility for compliance with this SPCC Plan.
- "Oil" includes petroleum-based materials (gasoline, diesel fuel, kerosene, fuel oil, motor oil, hydraulic fluid, used oil, transformer oil, etc.), as well as vegetable oil, in a container having a capacity of 55 gallons or more.

### B. SPCC Plan

- Developed for implementation by site personnel.
- Facility copy must be maintained/updated by facility's SPCC Coordinator.
- Copy is available for review by all employees at any time.

### C. Training - Who, When, What

Who: All facility employees involved in handling and management of any oil.

When: Minimum initial and annual refresher for all employees involved in oil handling.  
- Within two weeks of hire for new employees involved in oil handling.  
- If/when facility oil handling changes (so the SPCC Plan must be updated).

What: Initial: Entire SPCC Plan  
Annual Update: Known spill events or failures, malfunctioning components  
Ongoing: Facility changes, recently developed precautionary measures

### D. SPCC Coordinator

- Responsible for SPCC Plan implementation and oil spill prevention at the facility; see that person if ever any question or concern.

### E. General Facility Layout, Site Plan and Drainage Systems

- Ensure understanding of general facility operations, overall facility layout, drainage discharge locations, sensitive receiving water bodies, etc.
- Site Plan (Figure 1) summarizes the facility locations for oil handling.



## Typical SPCC Plan Personnel Training Program Outline

### F. Facility's Specific Oil Handling Inventory

Applies to containers with a capacity of 55 gallons or more, and transfers to/from them:

- Stationary and mobile aboveground storage tanks (ASTs)
- Underground storage tanks (USTs)
- Drum and "tote" tank storage and handling

Also applies to:

- Gauges, alarms, and leak detection systems
- Piping systems
- Oil-filled electrical, operating, and manufacturing equipment
- Oil unloading/loading areas
- Additional oil storage or handling activities

### G. Containment and/or Diversionary Structures or Equipment to Prevent a Discharge

- Specific facility measures provided, as per the SPCC Plan
- Important because spilled oil will flow in accordance with drainage paths
- Intent of program is to keep oil out of water, out of stormwater and drainage
- Review operation and maintenance of all equipment intended to prevent discharges

### H. Facility Drainage (SPCC Plan Section 6.0)

- Management of drainage from diked areas
- Drainage from undiked areas
- Potential impact on surface waters (including wetlands)

### I. Facility Transfer Operations, Pumping and In-plant Processes (SPCC Plan Section 8.0)

- Operation and maintenance measures to prevent discharges

### J. Truck Unloading/loading Areas

- Spills from inbound/outbound transfers, including direction of flow
- Unloading/loading must be visually monitored by facility personnel at all times
- Immediate response must be made to any spills, per the Plan's spill response procedures

### K. Inspections and Tests (SPCC Plan Section 10.0)

- Comprehensive visual inspection monthly, with documentation
- Prompt completion of required repairs, with documentation
- Periodic integrity testing of tanks

### L. Security (SPCC Plan Section 11.0)

- General facility security measures, and localized measures for individual oil handling areas

## Typical SPCC Plan Personnel Training Program Outline

### M. Spill Response Procedures (SPCC Plan Section 13.0)

- Need to watch for, report, and clean up spills
- Spill response equipment, inventory, minimum amount to be always maintained, replenishment of use materials, etc.
- Review understanding of spill equipment, intent and how to use/deploy it; supplement with construction equipment if necessary, etc.
- Spill reporting requirements to Federal and State agencies

### N. Additional State Requirements

- Petroleum Bulk Storage Program
- Used oil requirements

### O. Miscellaneous

- Describe and review past discharges, reasons or causes, procedures to prevent recurrence, etc.
- Describe and review any other equipment failures, malfunctioning components and any recently developed precautionary measures relative to oil handling and spill control

### P. General Rules

- Do not wait for problems or spills to occur. Keep eyes open, anticipate problems and take precautionary measures to prevent incidents. Report all identified or suspected concerns.

### Q. Any Questions?



CHEVRON ENVIRONMENTAL HEALTH CENTER -- REGULAR UNLEADED GASOLINES --  
9130-00-148-7103

===== Product Identification =====

Product ID:REGULAR UNLEADED GASOLINES  
MSDS Date:10/22/1993  
FSC:9130  
NIIN:00-148-7103  
MSDS Number: BVGY  
=== Responsible Party ===  
Company Name:CHEVRON ENVIRONMENTAL HEALTH CENTER  
Address:15299 SAN PABLO AVE.  
Box:4054  
City:RICHMOND  
State:CA  
ZIP:94804-0054  
Country:US  
Info Phone Num:415-2783/510-242-5357  
Emergency Phone Num:800-424-9300(CHEMTREC)/800-231-0623  
CAGE:0AHD1

=== Contractor Identification ===

Company Name:CHEVRON ENVIRONMENTAL HEALTH CENTER INC  
Address:15299 SAN PABLO AVE  
Box:4054  
City:RICHMOND  
State:CA  
ZIP:94804  
Country:US  
Phone:800-582-3835  
CAGE:0AHD1  
Company Name:SHULTZ DISTRIBUTING INC  
Address:6851 E MARGINAL WAY S  
Box:24845  
City:SEATTLE  
State:WA  
ZIP:98108  
Country:US  
Phone:206-682-8427  
CAGE:9V301

===== Composition/Information on Ingredients =====

Ingred Name:GASOLINE UNLEADED (GENERIC), WHICH INCLUDE FOLLOWING  
INGREDIENTS.

Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:BENZENE (SARA III)  
CAS:71-43-2  
RTECS #:CY1400000  
Fraction by Wt: <4.9%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:SEE 1910.1028  
ACGIH TLV:10 PPM; A2; 9394  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:ETHYL BENZENE (SARA III)

CAS:100-41-4  
RTECS #:DA0700000  
Fraction by Wt: >1.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM/125STEL;9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:P-XYLENE (P-DIMETHYLBENZENE) (SARA III)  
CAS:106-42-3  
RTECS #:ZE2625000  
Fraction by Wt: >1.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM/150STEL;9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:M-XYLENE (M-DIMETHYLBENZENE) (SARA III)  
CAS:108-38-3  
RTECS #:ZE2275000  
Fraction by Wt: >1.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM/150STEL;9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:O-XYLENE (O-DIMETHYLBENZENE) (SARA III)  
CAS:95-47-6  
RTECS #:ZE2450000  
Fraction by Wt: >1.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100PPM  
ACGIH TLV:100 PPM/150STEL;9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: >1.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM; Z-2  
ACGIH TLV:S, 50 PPM; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:HEXANE (N-HEXANE)  
CAS:110-54-3  
RTECS #:MN9275000  
Fraction by Wt: >1.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:500 PPM  
ACGIH TLV:50 PPM; 9394  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:CYCLOHEXANE (SARA III)

CAS:110-82-7  
 RTECS #:GU6300000  
 Fraction by Wt: >1.0%  
 Other REC Limits:NONE RECOMMENDED  
 OSHA PEL:300 PPM  
 ACGIH TLV:300 PPM, 9394  
 EPA Rpt Qty:1000 LBS  
 DOT Rpt Qty:1000 LBS

Ingred Name:METHYL TERT-BUTYL ETHER (SARA III)  
 CAS:1634-04-4  
 RTECS #:KN5250000  
 Fraction by Wt: <15.0%  
 Other REC Limits:NONE RECOMMENDED  
 EPA Rpt Qty:1 LB  
 DOT Rpt Qty:1 LB

Ingred Name:ETHYL TERT-BUTYL ETHER (ETBE)  
 CAS:637-92-3  
 RTECS #:KN4730200  
 Fraction by Wt: <18.0%

Ingred Name:TERT-AMYL METHYL ETHER  
 CAS:994-05-8  
 Fraction by Wt: <17.0%  
 Other REC Limits:NONE RECOMMENDED

Ingred Name:ETHYL ALCOHOL (ETHANOL) (PER MSDS IS ONLY ADDED IN LIMITED  
 SPECIFIC DISTRIBUTION AREAS).  
 CAS:64-17-5  
 RTECS #:KQ6300000  
 Fraction by Wt: <10.0%  
 Other REC Limits:NONE RECOMMENDED  
 OSHA PEL:1000 PPM  
 ACGIH TLV:1000 PPM; 9394

Ingred Name:NOTE:CAN CONTAIN INGRED #10 OR #11 OR #12 OR #13.  
 RTECS #:9999999ZZ  
 Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 ORAL,RATS >5ML/KG.  
 Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
 Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
 Health Hazards Acute and Chronic:EYE:SLIGHTLY IRRIT,IMPAIR  
 VISION.SKIN:CRACK/DRY SKIN FROM DEFATTING.INGEST:SLIGHTLY TOXIC TO  
 INTERNAL ORGANS.TARGET ORGAN:CNS.ASPIRATION HAZ & MAY CAUSE SEVERE  
 LUNG INJURY & DEATH.INHAL:SLIGHTLY TOXIC TO INTERNAL ORGANS.CNS  
 EFFECTS, COMA, DEATH, CONVULSIONS, DELIRIUM, HALLUCINATIONS.  
 Explanation of Carcinogenicity:CONTAINS BENZENE. IARC PLACED WHOLE  
 GASOLINE EXHAUST IN CATEGORY 2B CONSIDERING IT POSSIBLY  
 CARCINOGENIC TO HUMANS.  
 Effects of Overexposure:EYE:MAY INCLUDE PAIN, TEARS, SWELLING, REDNESS,  
 AND BLURRED VISION. INGEST:MAY INCLUDE ONE OR MORE OF  
 FOLLOWING:HEADACHE, DIZZ, LOSS OF APPETITE, WEAKNESS, LOSS OF  
 COORDINATION.  
 Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MFG.

===== First Aid Measures =====

First Aid:EYE:FLUSH IMMED W/WATER FOR @ LEAST 15MINS OPENING EYELIDS.REMOVE CONTACT LENSES.IF IRRIT PERSISTS SEE DR.  
 SKIN:PRECAUTION WASH THOROUGHLY W/SOAP & WATER.REMOVE CONTAMIN CLOTHING.INGEST:GIVE WATER OR MILK TO DRINK.CALL MED ADVICE/TAKE TO EMERG CNTR/HOSPITAL.DO NOT INDUCE VOMIT UNLESS DIRECTED BY MED PERSONNEL.INHAL:MOVE TO FRESH AIR.SEE DR IF SYMPTOMS CONTINUE.

=====  
 Fire Fighting Measures  
 =====

Flash Point:-49F,-45C  
 Lower Limits:1.4  
 Upper Limits:7.6  
 Extinguishing Media:ALCOHOL RESISTANT TYPE (AR) AFFF, CARBON DIOXIDE, DRY CHEMICAL.  
 Fire Fighting Procedures:DO NOT ENTER ANY ENCLOSED/CONFINED FIRE SPACE W/O PROPER PROTECTIVE EQPMT INCLUDING SCBA.  
 Unusual Fire/Explosion Hazard:EXTREME FIRE HAZ.LIQ VERY QUICKLY EVAPORATES.FORMS VAP/FUMES WHICH CAN CATCH FIRE & BURN W/EXPLOSIVE VIOLENCE.VAP SPREADS & SET ON FIRE BY IGN SOURCES.

=====  
 Accidental Release Measures  
 =====

Spill Release Procedures:ELIMINATE ALL IGN SOURCES.CLEANUP IMMED.WATER POLLUTANT;PREVENT FROM CONTAMIN SOIL/WATER/DRAINAGE/SEWER SYS.CLANU W/APPROPRIATE TECHNIQUES:SORBENT MATLS;PUMPING.IF FEASIBLE REMOVE CONTAMIN SOIL.FOLLOW PROCEDURES FOR REPORTING/RESPONDING TO LG SPILLS.  
 Neutralizing Agent:NONE SPECIFIED BY MFG.

=====  
 Handling and Storage  
 =====

Handling and Storage Precautions:NEVE SIPHON GASOLINE BY MOUTH.READ/OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.USE ONLY AS MOTOR FUEL.DO NOT USE FOR CLEANING/PRESS APPLICANCE FUEL/OTHER.  
 Other Precautions:DO NOT USE/STORE NEAR FLAME/SPARKS/HOT SURFACES.USE ONLY IN WELL VENTILATED AREA.DO NOT TRANSFER LIQ TO UNLABELED CNTNR.DO NOT WELD/HEAT/DRILL CNTNR.REPLACE CAP/BUNG.EMPTIED CNTNR STILL CONTAINS HAZ/E XPLOSIVE VAP/LIQ.

=====  
 Exposure Controls/Personal Protection  
 =====

Respiratory Protection:NO SPECIAL RESP PROTECTION IS NORMALLY REQUIRED.HOWEVER IF OPERATING CONDITIONS CREATE AIRBORNE CONCEN WHICH EXCEED RECOMMENDED EXPOSURE STDS USE OF APPROVED RESP REQUIRED.REFER TO OSHA BENZENE STD TO DETERMNE TY OF RESP BASED ON EXPO LEVEL  
 Ventilation:USE THIS MATERIAL ONLY IN WELL VENTILATED AREAS.  
 Protective Gloves:NO SPECIAL PROTECTION USUALLY NECESSARY.  
 Eye Protection:CHEMICAL GOGGLES.  
 Other Protective Equipment:SKIN CONTACT CAN BE MIN BY WEARING PROTECTIVE CLOTHING.  
 Work Hygienic Practices:LAUNDER CONTAMIN CLOTHING PRIOR TO REUSE.FOLLOW GOOD WORK HYGIENE PRACTICES.  
 Supplemental Safety and Health  
 IF SPILL REACHES ANY SURFACE WATERS CALL US COAST GUARD NAT RESP CNTR 800-424-8802.

=====  
 Physical/Chemical Properties  
 =====

HCC:F1  
Boiling Pt:B.P. Text:77.0F,25.0C  
Vapor Pres:5-15PSI  
Vapor Density:3-4  
Spec Gravity:0.7-0.8  
Solubility in Water:INSOLUBLE.  
Appearance and Odor:ORANGE OT BRONZE LIQUID.  
Percent Volatiles by Volume:99+

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
MAY REACT W/STRONG OXIDIZING AGENTS SUCH AS CHLORATES, NITRATES,  
PEROXIDES, ETC.  
Stability Condition to Avoid:NO DATA AVAILABLE. HOWEVER AVOID  
HEAT/FLAMES/OTHER SOURCES OF IGNITION.  
Hazardous Decomposition Products:NO DATA AVAILABLE. NORMAL COMBUSTION  
FORMS CARBON DIOXIDE & WATER VAP;INCOMPLETE COMBUSTION CAN PRODUCE  
CARBON MONOXIDE.

===== Disposal Considerations =====

Waste Disposal Methods:IF TO BE DISCARDED MAY MEET CRITERIA OF HAZ  
WASTE AS DEF BY USEPA UNDER RCRA(40CFR261)OR OTHER STATE/LOC  
REGS.MEASUREMENT OF CERTAIN PHYS PROP & ANALYSIS FOR REGULATED  
CMPNTS MAY BE NECESSARY TO MAKE CORRECT DETERMINATION.IF HAZ WASTE  
USE LIC FACILIT

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assume responsibility for the suitability of this information to their  
particular situation.



## CHEVRON U S A INC ASPHALT DIV -- CHEVRON DIESEL FUEL NO.2 -- 9140-00-247-4365

## ===== Product Identification =====

Product ID:CHEVRON DIESEL FUEL NO.2  
 MSDS Date:10/04/1988  
 FSC:9140  
 NIIN:00-247-4365  
 MSDS Number: BPHYT  
 === Responsible Party ===  
 Company Name:CHEVRON U S A INC ASPHALT DIV  
 Box:7643  
 City:SAN FRANCISCO  
 State:CA  
 ZIP:94120-7643  
 Country:US  
 Info Phone Num:415-233-3737  
 Emergency Phone Num:415-233-3737  
 CAGE:87510

## === Contractor Identification ===

Company Name:CHEVRON USA INC ASPHALT DIV  
 Box:7643  
 City:SAN FRANCISCO  
 State:CA  
 ZIP:94120-7643  
 Country:US  
 Phone:800-457-2022/510-233-3737  
 CAGE:87510  
 Company Name:HOLTZMAN OIL CORP  
 Address:U S ROUTE 11 NORTH  
 Box:8  
 City:MOUNT JACKSON  
 State:VA  
 ZIP:22842  
 Country:US  
 CAGE:3R568

## ===== Composition/Information on Ingredients =====

Ingred Name:PETROLEUM MID-DISTILLATE  
 CAS:68476-34-6  
 Fraction by Wt: 100.0%  
 Other REC Limits:NONE RECOMMENDED

## ===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES  
 Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
 Health Hazards Acute and Chronic:EYE/SKIN:IRRITATION. PROLONGED  
 CONTACT MAY CAUSE DERMATITIS AND TISSUE DEFATTING.  
 INHALATION:RESPIRATORY SYSTEM IRRITATION AND LIGHT HEADEDNESS. MAY  
 CAUSE NAUSEA, HEADACHE, DROWSINESS, VOMITING. INGESTION:SOLVENT  
 ASPIRATION INTO LUNGS AS A RESULT OF VOMITING MAY CAUSE LUNG AND  
 DIGESTIVE SYSTEM DAMAGE. CNS DEPRESSION.  
 Explanation of Carcinogenicity:NONE NOTED  
 Effects of Overexposure:IRRITATION OF EYES, SKIN, AND RESPIRATORY  
 TRACT. INHALATION MAY CAUSE HEADACHE, NAUSEA, VOMITING.  
 Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
 OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN,

RESPIRATORY TRACT OR NERVOUS SYSTEM MAY BE AT INCREASED RISK FROM EXPOSURE. DRYING/CRACKING OF SKIN.

=====  
First Aid Measures  
=====

First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELID. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ADVICE. INHALATION: REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY.

=====  
Fire Fighting Measures  
=====

Flash Point Method:PMCC  
Flash Point:125F,52C  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

=====  
Accidental Release Measures  
=====

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. VENTILATE AND REMOVE WITH INERT ABSORBENT. USE NON-SPARKING TOOLS. FOR LARGE SPILLS, CONTAIN WITH EARTHEN DIKE OR PETROLEUM ABSORBENT MATERIAL. REMOVE WITH GROUNDED SUC TION PUMP.

=====  
Handling and Storage  
=====

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. DURING USE AND UNTIL ALL VAPORS ARE GONE: KEEP AREA VENTILATED-DO NOT SMOKE.  
Other Precautions:AVOID BREATHING OF VAPORS. ALWAYS PROMPTLY WASH OFF ANY EXPOSED SKIN.

=====  
Exposure Controls/Personal Protection  
=====

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED RESPIRATOR IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL/TLV. WEAR SELF-CONTAINED BREATHING APPARATUS IF REQUIRED FOR HIGH LEVELS OF CONTAMINATES.  
Ventilation:LOCAL EXHAUST PREFERABLE. GENERAL EXHAUST ACCEPTABLE IF THE EXPOSURE IS MAINTAINED BELOW APPLICABLE EXPOSURE LIMITS.  
Protective Gloves:NEOPRENE OR NATURAL RUBBER GLOVES  
Eye Protection:GOGGLES/SAFETY GLASSES AS REQUIRED  
Other Protective Equipment:AN EYE WASH AND DRENCH SHOWER FACILITY SHOULD BE AVAILABLE.  
Work Hygienic Practices:USE WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR/SPRAY MIST. AVOID CONTACT WITH SKIN/EYES. WASH HANDS/SKIN AFTER USE  
Supplemental Safety and Health  
KEEP CONTAINER CLOSED WHEN NOT IN USE. TRANSFER ONLY TO APPROVED CONTAINERS WITH COMPLETE AND APPROPRIATE LABELING. DO NOT TAKE INTERNALLY.

===== Physical/Chemical Properties =====

HCC:F4  
Boiling Pt:B.P. Text:315F,157C  
Vapor Pres:0.04 PSIA  
Spec Gravity:0.82  
Solubility in Water:INSOLUBLE  
Appearance and Odor:PALE YELLOW LIQUID

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES  
OF IGNITION  
Hazardous Decomposition Products:BY FIRE: CARBON MONOXIDE, CARBON  
DIOXIDE

===== Disposal Considerations =====

Waste Disposal Methods:WASTE MATERIAL MAY BE A HAZARDOUS WASTE WHICH  
MUST BE DISPOSED OF ACCORDINGLY. DO NOT INCINERATE CLOSED  
CONTAINER. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL  
REGULATIONS.

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assume responsibility for the suitability of this information to their  
particular situation.

CONOCO INC -- FLEET MOTOR OIL SAE 10W LP, 20-20W/30/40/5 -- 9150-00F00522

=====  
Product Identification  
=====

Product ID:FLEET MOTOR OIL SAE 10W LP, 20-20W/30/40/5

MSDS Date:01/01/1987

FSC:9150

NIIN:00F00522

MSDS Number: BBRZK

==== Responsible Party ====

Company Name:CONOCO INC/PONCA CITY, OK 74603

Emergency Phone Num:(800) 424-9300

CAGE:FO030

==== Contractor Identification ====

Company Name:CONOCO INC

Address:1000 S PINE

Box:1267

City:PONCA CITY

State:OK

ZIP:74603

Country:US

Phone:800-441-3637, CHEMTREC 800-424-9300

CAGE:58326

Company Name:CONOCO INC/PONCA CITY, OK 74603

CAGE:FO030

=====  
Composition/Information on Ingredients  
=====

Ingred Name:NON-HAZARDOUS FOR INGREDIENTS

Fraction by Wt: 100%

=====  
Hazards Identification  
=====

Effects of Overexposure:THE PRODUCT MAY CAUSE IRRITATION TO EYES,  
LUNGS, OR SKIN AFTER PROLONGED OR REPEATED EXPOSURE.

=====  
First Aid Measures  
=====

First Aid:EYES: WASH W/WATER FOR AT LEAST 15 MINS & GET MED ATT. SKIN:  
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH W/SOAP &  
WATER. INHALATION: REMOVE TO FRESH AIR. INGESTION: IF SWALLOWED,  
DON'T INDUCE VOMITING. DON'T GIVE LIQUID IF UNCONSCIOUS.

=====  
Fire Fighting Measures  
=====

Flash Point:340F (PMCC)

Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, FOAM OR CO2 & OTHER  
TOXIC.

Fire Fighting Procedures:WATER MAY CAUSE FROTHING. WATER COOL  
CONTAINERS.

Unusual Fire/Explosion Hazard:DON'T ENTER ENCLOSED OR CONFINED SPACE  
W/OUT PROPER PROTECTIVE EQUIPMENT RESPIRATORY PROTECTION.

=====  
Accidental Release Measures  
=====

Spill Release Procedures:CONTAIN SPILL IN SMALLEST AREA POSSIBLE.  
RECOVER AS MUCH OF THE PRODUCT ITSELF AS POSSIBLE BY SUCH METHODS AS  
VACUUMING, FOLLOWED BY SOAKING UP RESIDUAL FLUID BY USE OF ABSORBENT  
MATERIALS. REMOVE CONTAMINATED ITEMS INCLUDING SOLID

=====  
Handling and Storage  
=====

Handling and Storage Precautions:STORE & HANDLE ACCORDING. CAUTION:  
PROLONGED OR REPEATED SKIN CONTACT WITH USED MOTOR OIL MAY  
HARMFUL. WASH THOROUGHLY W/SOAP & WATER AFTER USE

=====  
Exposure Controls/Personal Protection  
=====

Respiratory Protection:NONE REQUIRED  
Ventilation:NORMAL SHOP VENTILATION.  
Protective Gloves:NONE REQUIRED  
Eye Protection:NONE REQUIRED  
Other Protective Equipment:NONE REQUIRED  
Supplemental Safety and Health  
MSDS DATE: 10/21/85.

=====  
Physical/Chemical Properties  
=====

Boiling Pt:B.P. Text:650-1200F  
Vapor Pres:NIL  
Spec Gravity:0.88  
Evaporation Rate & Reference:NIL  
Solubility in Water:INSOLUBLE  
Appearance and Odor:DARK BROWN LIQ; MILD PETROLEUM HYDROCARBON ODOR  
Percent Volatiles by Volume:NIL

=====  
Stability and Reactivity Data  
=====

Stability Indicator/Materials to Avoid:YES  
Stability Condition to Avoid:STRONG OXIDIZING MATERIALS, HEAT, FLAME  
Hazardous Decomposition Products:COMBUSTION FORMS CO2; INCOMPLETE  
COMBUSTION MAY PRODUCE CO.

=====  
Disposal Considerations  
=====

Waste Disposal Methods:AVOID WASHING, DRAINING OR DIRECTING MATERIAL TO  
STORM OR SANITARY SEWERS. RECYCLE AS MUCH OF THE RECOVERABLE  
PRODUCT AS POSSIBLE. DISPOSE OF NONRECYCLABLE MATERIAL BY SUCH  
METHODS AS CONTROLLED INCINERATION, COMPLYING W/FEDERAL, STATE &  
LOCAL REGS.

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document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.

MOBIL OIL CORP -- MOBILUBE SHC 75W-90 -- 9150-01-035-5391

=====  
Product Identification  
=====

Product ID:MOBILUBE SHC 75W-90  
MSDS Date:11/27/1990  
FSC:9150  
NIIN:01-035-5391  
MSDS Number: BJRGY  
=== Responsible Party ===  
Company Name:MOBIL OIL CORP  
Box:1025  
City:PRINCETON  
State:NJ  
ZIP:08540  
Country:US  
Info Phone Num:800-662-4525  
Emergency Phone Num:609-737-4411/800-424-9300 (CHEMTREC)  
CAGE:6A687

=====  
Contractor Identification  
=====

Company Name:AMERICAN INK AND OIL CORP  
Address:33 ENDICOTT STREET  
Box:City:NORWOOD  
State:MA  
ZIP:02062-3006  
Country:US  
Phone:781-762-0026 / FAX: 781-762-1617  
CAGE:82956  
Company Name:MOBIL OIL CORP  
Box:1025  
City:PRINCETON  
State:NJ  
ZIP:08540  
Country:US  
Phone:609-737-4411  
CAGE:6A687

=====  
Composition/Information on Ingredients  
=====

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY  
PARAFFINIC  
CAS:64742-65-0  
RTECS #:PY8038500  
Fraction by Wt: SEE # 2%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5 MG/M3 (OIL MIST)  
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:1-DECENE, POLYMER WITH 1-ODENE, HYDROGENATED (% SHOWN IS  
FOR INGREDIENTS 1 AND 2)  
CAS:66070-54-0  
Fraction by Wt: 65%  
Other REC Limits:NONE SPECIFIED

Ingred Name:BUTENE, HOMOPOLYMER  
CAS:9003-29-6  
Fraction by Wt: < 23%  
Other REC Limits:NONE SPECIFIED

Ingred Name:SULFURIZED OLEFINS  
 Fraction by Wt: < 5%  
 Other REC Limits:NONE SPECIFIED

Ingred Name:ALKYL AMINE SALTS OF ALKYL PHOSPHORIC ACIDS  
 Fraction by Wt: < 3%  
 Other REC Limits:NONE SPECIFIED

Ingred Name:ALKYL AMIDES  
 Fraction by Wt: < 2%  
 Other REC Limits:NONE SPECIFIED

Ingred Name:BORATED ALIPHATIC AMIDES  
 Fraction by Wt: < 2%  
 Other REC Limits:NONE SPECIFIED

=====  
 Hazards Identification  
 =====

LD50 LC50 Mixture:LD 50 ORAL RAT IS > 5000 MG/KG  
 Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
 Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
 Health Hazards Acute and Chronic:HEALTH HAZARDS- ACUTE: SLIGHT SKIN  
 IRRITATION. CHRONIC: NONE SPECIFIED BY MANUFACTURER.  
 Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT  
 IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.  
 Effects of Overexposure:SLIGHT SKIN IRRITATION.  
 Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

=====  
 First Aid Measures  
 =====

First Aid:FIRST AID: EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15  
 MINUTES. SKIN: WASH WITH SOAP AND WATER. INHALATION: NOT EXPECTED  
 TO BE A PROBLEM. INGESTION: NOT EXPECTED TO BE A PROBLEM. HOWEVER  
 IF LARGE AMOUNT IS INGESTED, IMMEDIATELY GIVE 1-2 GLASSES OF WATER  
 AND SEE DOCTOR. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH IF  
 UNCONSCIOUS.

=====  
 Fire Fighting Measures  
 =====

Flash Point Method:COC  
 Flash Point:400F,204C  
 Lower Limits:0.6  
 Upper Limits:7.0  
 Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
 CHEMICAL.  
 Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
 FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED  
 CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.  
 Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE  
 HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

=====  
 Accidental Release Measures  
 =====

Spill Release Procedures:ABSORB IN INERT MATERIAL.SHOVEL UP AND PLACE  
 IN APPROPRIATE DISPOSAL CONTAINER AND COVER.

=====  
 Handling and Storage  
 =====

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED  
 AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND

INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.  
Other Precautions:AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE NORMALLY REQUIRED WITH ADEQUATE VENTILATION.  
Ventilation:NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.  
Protective Gloves:AS REQUIRED.  
Eye Protection:AS REQUIRED.  
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.  
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health  
NONE.

===== Physical/Chemical Properties =====

HCC:V6  
Boiling Pt:B.P. Text:>600F,>316C  
Vapor Pres:<0.1  
Spec Gravity:0.877  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:LIGHT AMBER LIQUID. MILD ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION  
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, INCOMPLETELY BURNED CARBON PRODUCTS.

===== Disposal Considerations =====

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.  
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER SUGGESTS RECYCLING OR INCINERATION.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.





# Material Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td>Health Hazard</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Flammability</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Reactivity</td> <td style="text-align: center;">0</td> </tr> </table>	Health Hazard	1	Flammability	1	Reactivity	0		
Health Hazard	1								
Flammability	1								
Reactivity	0								

Issuing Date 28-Aug-2007

Revision Date

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** B99.9 Biodiesel

**Product Code(s)** CAS# 67784-80-9 / 73891-99-3 / 61788-61-2

**Synonyms** Biodiesel from soybean oil, B99.9, methyl soyate, soy methyl esters, rapeseed methyl esters (RME), methyl tallowate, fatty acid methyl esters, fatty acid alkyl esters.

**Recommended Use** Fuel, Solvent, Cleaning agent

**Supplier Address**  
 Renewable Energy Group, Inc.  
 416 S. Bell Ave.  
 Ames, IA 50010  
 TEL: 1-888-734-8686

**Company Emergency Phone Number** 1-800-633-8253

**Emergency Telephone Number** CHEMTREC: +1-703-527-3887 (INTERNATIONAL)  
 1-800-424-9300 (NORTH AMERICA)

## 2. HAZARDS IDENTIFICATION

**CAUTION!**

**Emergency Overview**  
 May cause skin and eye irritation

**Appearance** Pale yellow to golden if undyed

**Physical State** Liquid

**Odor** Mild

**Potential Health Effects**  
**Principle Routes of Exposure** Skin contact, Eye contact.

<b>Acute Toxicity</b>	
Eyes	May cause irritation.
Skin	May cause irritation.
Inhalation	Not an expected route of exposure. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion	Ingestion may cause stomach discomfort.
<b>Chronic Effects</b>	No known effect.
<b>Aggravated Medical Conditions</b>	Skin disorders.
<b>Environmental Hazard</b>	See Section 12 for additional Ecological Information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Common Name</b>	Methyl esters.
<b>Chemical Family</b>	Fatty acid alkyl esters.
<b>Formula</b>	R-COO-CH <sub>3</sub>

Chemical Name	CAS-No	Weight %
Soybean oil methyl esters	67784-80-9	0-99.9
Tallow methyl esters	61788-61-2	0-99.9
Rape oil methyl esters	73891-99-3	0-99.9
Diesel oil (petroleum)	68334-30-5	0.1-1

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Combustible material: may burn but does not ignite readily.
<b>Flash Point</b>	130°C / 266°F
<b>Method</b>	PMCC
<b>Suitable Extinguishing Media</b>	Water spray, dry chemical, carbon dioxide (CO <sub>2</sub> ), or foam.
<b>Unsuitable Extinguishing Media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Hazardous Combustion Products</b>	Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ), Nitrogen oxides (NO <sub>x</sub> ), Hydrocarbons.
<b>Explosion Data</b>	
<b>Sensitivity to mechanical impact</b>	None
<b>Sensitivity to static discharge</b>	None

**Specific Hazards Arising from the Chemical** Keep product and empty container away from heat and sources of ignition.

**Protective Equipment and Precautions for Firefighters** Wear self-contained breathing apparatus and protective suit.

<u>NFPA</u>	Health Hazard 1	Flammability 1	Stability 0	Physical and Chemical Hazards -
<u>HMIS</u>	Health Hazard 1	Flammability 1	Stability 0	Personal Precautions B

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions** Use personal protective equipment.

**Methods for Containment** Dike to collect large liquid spills. Cover with dry sand/earth.

**Methods for Cleaning Up** Soak up with inert absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

**7. HANDLING AND STORAGE**

**Handling** Wear personal protective equipment. Avoid contact with skin and eyes.

**Storage** Keep tightly closed in a dry and cool place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Diesel oil (petroleum)	TWA: 100 mg/m <sup>3</sup>		

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

**Personal Protective Equipment**

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and Body Protection** Protective gloves.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Pale yellow to golden if undyed	<b>Odor</b>	Mild
<b>Odor Threshold</b>	No information available	<b>Physical State</b>	Liquid
<b>pH</b>	Not applicable		
<b>Flash Point</b>	130°C / 266°F	<b>Method</b>	PMCC
<b>Autoignition Temperature</b>	No information available	<b>Decomposition Temperature</b>	No information available
<b>Boiling Point/Range</b>	> 280°C / 536°F (at 1 atm)	<b>Melting Point/Range</b>	-1°C / 30°F
<b>Flammability Limits in Air</b>	No information available	<b>Explosion Limits</b>	No information available
<b>Specific Gravity</b>	0.87-0.88 @ 25°C	<b>Water Solubility</b>	Negligible
<b>Solubility</b>	No information available	<b>Evaporation Rate</b>	No information available
<b>Vapor Pressure</b>	No data available	<b>Vapor Density</b>	No data available
<b>VOC Content</b>	Not applicable	<b>Viscosity</b>	3.9-4.4 cst @ 40°C
<b>Partition Coefficient (n-octanol/water)</b>	No data available		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Incompatible Products</b>	Strong oxidizing agents. Strong reducing agents. Strong acids. Strong bases.
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Hazardous Decomposition Products</b>	Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Nitrogen oxides (NO <sub>x</sub> ). Hydrocarbons.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product Information

<b>Irritation</b>	May cause skin and eye irritation.
<b>LD50 Oral VALUE (mg/kg)</b>	17.4 g/kg (rat) estimated

### Chronic Toxicity

<b>Chronic Toxicity</b>	No known effect.
-------------------------	------------------

<b>Target Organ Effects</b>	Skin.
-----------------------------	-------

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Diesel oil (petroleum)		LC50= 35 mg/L Pimephales promelas 96 h		

<b>Persistence and Degradability</b>	Product is biodegradable.
<b>Bioaccumulation/ Accumulation</b>	All components of this material will potentially bioaccumulate.
<b>Mobility</b>	The product is insoluble and floats on water.

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.
<b>Contaminated Packaging</b>	Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated
<b><u>MEX</u></b>	Not regulated
<b><u>ICAO</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG/IMO</u></b>	Not regulated
<b><u>RID</u></b>	Not regulated
<b><u>ADR</u></b>	Not regulated
<b><u>ADN</u></b>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL	Does not Comply
EINECS/ELINCS	Complies
ENCS	Does not Comply
IECSC	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Diesel oil (petroleum)			X		X

### International Regulations

**Mexico - Grade** Minimum risk, Grade 0

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

Non-controlled

**16. OTHER INFORMATION**

Issuing Date 28-Aug-2007

Revision Date

Revision Note No information available

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

## **Appendix F**

### **Facility Oil Spill Response Procedures**



## Oil Spill Response Procedures

*Note: Facility personnel are trained in responding to routine oil spills and associated housekeeping requirements. They are not trained as "first responders" in the event of a major oil release. Commercial emergency response contractors and/or local municipal hazardous materials response teams (HazMat Teams) are to be utilized to respond to significant spills.*

1. In the event of an oil spill, from a distance, attempt to visually locate and determine the source and extent of the spill.
2. If unsafe conditions are evident or appear possible, evacuate the immediate spill area and notify facility management and emergency response personnel.
3. If the spill area appears safe, secure the spill area to protect personnel and the public from immediate danger. If possible, take appropriate measures to stop the source of the spill. Extinguish all sources of ignition (flames, sparks, hot surfaces, cigarettes, etc.), if possible.
4. If the spill response measures include the shut down of any process or operating equipment, ensure that appropriate facility personnel are sufficiently aware of these shutdowns and any resulting effects (pressure buildups, gas generation, service disruptions, etc.).
5. As appropriate, place and seal barriers over or around catch basins and grates to reduce introduction of oil to drainage courses.
6. Attempt to contain or limit the spill, utilizing the facility's spill response equipment and supplies. Try to limit the discharge of the spill by diverting the spill, creating temporary dikes and/or using absorbent materials.
7. If secondary containment is provided at the spill location, verify that all discharge valves are closed. Plug all drains and weep holes that may provide a pathway for further oil migration.
8. Notify the facility's **Facility Spill Coordinator**, who will provide for further internal and external notifications, including, as necessary, notification to the local police and fire departments and an emergency response contractor. The following information should be provided to the SPCC Coordinator:
  - The name of the person reporting the spill.
  - The location of the spill.
  - The type of oil spilled.
  - An estimate of the amount of oil spilled.
  - Actions already taken in response to the spill.
  - Any significant imminent concerns regarding the spill.
9. If the spill is routine, facility personnel should proceed with appropriate cleanup of the spill, using the facility's spill response equipment and supplies. In the event of a larger spill, the facility's SPCC Coordinator will direct the spill cleanup measures.

## Oil Spill Response Procedures

- Retrieve any bulk oil using best available means and place in proper liquid container. Immediately label the container as to the contents and date and nature of origination or, as appropriate, return the bulk oil to the intended storage vessel, if the material is confirmed to be uncontaminated.
  - Apply absorbent material to pick up the remaining oil after the bulk oil has been retrieved. Place the oil spill residue in proper containers. Immediately label the containers as to their contents and the date and nature of origination. Do not mix oil spill residue with bulk oil. Do not step on spilled oil.
  - Clean up spill control equipment and containers. Be sure to replace all equipment to its proper location. Restock/order any spill response materials (absorbents, etc.) as necessary.
  - Carefully wash all spilled oil from skin and clothing using soap. Change clothes if necessary to avoid further oil contact. Containerize and appropriately manage clothing that cannot be easily washed.
10. Promptly document the spill utilizing the Spill Incident Report Form provided within this appendix, following the Emergency Telephone Number page. Provide this completed form to the **Facility Spill Coordinator**.
  11. Normal operations and activities in the affected spill area are to resume only upon specific approval by the **Facility Spill Coordinator**.
  12. The **Facility Spill Coordinator** will immediately proceed with initiating the proper agency notifications for the spill, as appropriate.

**SPILL PREVENTION, CONTROL AND COUNTERMEASURE (SPCC) PLAN  
EMERGENCY TELEPHONE NUMBERS**

**Facility:** LYNX Operations Center, 2500 Lynx Lane, Orlando, Florida 32804  
(407) 841-2279, x-3105, (407) 422-7922 (24-Hour Emergency Number)

Facility Spill Coordinator	Bill Zielonka Work: 407-254-6210 X 3210 Cell: 321-436-4582 Home: 407-293-3808
Backup Facility Spill Coordinator	Scott Meeks Work: 407-254-6205 X 3205 Cell: 321-228-1691
Fire	(407) 246-2141
Police	(407) 246-2414
Ambulance	911
Hospital (Florida Hospital)	(407) 303-1940 Directions to hospital on next page
Municipal HazMat Team	(407) 246-2141
Commercial Emergency Response Contractor	Environmental Enterprises of Florida (407) 855-0141 FAX: (407) 855-0354
National Response Center (Oil & Toxic Chemical Spills)	(800) 424-8802 (24-Hour Number) (202) 267-2675 (24-Hour Number)
State Warning Point	(800) 320-0519 (904) 413-9911
EPA Region IV, Atlanta, Georgia	(800) 241-1754 (404) 562-9900
CHEMTREC	(800) 424-9300 (24-Hour Number)
State Environmental Agency	(800) 320-0519 (24-Hour Number)
Orange County Environmental	(407) 836-1400 FAX (407) 836-1499

**SPILL INCIDENT DATA FORM**

**Facility:** LYNX Operations Center, 2500 Lynx Lane, Orlando, Florida 32804

Date and time of discharge:

---

---

Name, title and phone number of person completing this form:

---

---

Type of material discharged:

---

---

Estimated total quantity of material discharged (weight or volume basis):

---

---

Source, cause and duration of material discharged:

---

---

Brief description of the discharge:

---

---

Description of all affected media (estimated extent of contamination to land, air and/or water):

---

---

Describe actions used to stop, remove and mitigate the effects of the discharge:

---

---

Is or was site evacuation needed?

---

---

Individuals and/or organizations already contacted:

---

---

---

---

Signature of person completing this form, and date:

---

**SPILL INCIDENT REPORTING FORM**

**Facility:** LYNX Operations Center, 2500 Lynx Lane, Orlando, Florida 32804

Report information as provided on the completed Spill Incident Form.

Name and title of person reporting discharge:

---

---

Date, time and method of reporting:

---

---

Agencies notified:

---

---

---

Comments:

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*Note: There is usually no minimum threshold of material quantity to preclude the need to report a spill. Refer to the text of the SPCC Plan for additional information on spill reporting requirements.*

**Five-Year SPCC Plan Review and Evaluation**

In accordance with 40 CFR §112.5(b), the owner and/or operator of the facility must conduct a review and evaluation of this SPCC Plan at least once every five years. This SPCC Plan must be amended within six months of each review and evaluation to include more effective prevention and control technology if: (1) such technology will significantly reduce the likelihood of a discharge of oil in quantities that may be harmful (as described in 40 CFR Part 110) into or upon the navigable waters of the United States or adjoining shorelines; *and* (2) such technology has been field-proven at the time of review. Any technical amendment(s) to this SPCC Plan must be reviewed and certified by a registered Professional Engineer within six months after a change in the facility design, construction, operation, or maintenance occurs which materially affects the facility's potential for the discharge of oil in quantities that may be harmful into or upon the navigable waters of the United States or adjoining shorelines. [§112.5(b); §112.5(c)]

I have completed a review of this SPCC Plan, and determined that (check one):

Significant changes to the facility have occurred since the last review, and therefore this SPCC Plan must be appropriately updated and re-certified by a registered Professional Engineer.

Only non-technical amendments to this SPCC Plan are necessary at this time.

No amendment to this SPCC Plan is necessary at this time, per 40 CFR §112.5(b).

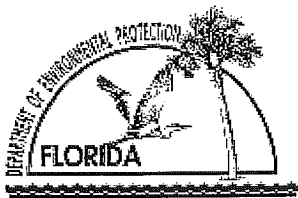
Reviewer's Name and Title:	
Reviewer's Signature and Date:	

**Professional Engineer's recertification, if technical amendments are made to this SPCC Plan**

I hereby attest and certify that: (i) I am familiar with the requirements of 40 CFR Part 112; (ii) I (or my agent) have visited and examined the facility; (iii) this SPCC Plan for LYNX Operations Center located at 2500 Lynx Lane, Orlando, Florida has been prepared in accordance with good engineering practices, including consideration of applicable industry standards, and with the requirements of 40 CFR Part 112; (iv) procedures for required inspections and testing have been established in this SPCC Plan; and (v) this SPCC Plan is adequate for the facility. Employees working at this facility have provided some of the information in this SPCC Plan. It is understood that the management of this facility also certifies that the information provided is true and accurate. This certification does not relieve the facility of its duty to implement this SPCC Plan in accordance with 40 CFR Part 112. [§112.3(d)(1) and (2)]

Printed Name of Professional Engineer:	
Signature of Professional Engineer and Date:	
P. E. Registration Number:	

(Apply P. E. seal over the written information.)



DEP Form # 62-761.900(6) \_\_\_\_\_  
 Form Title Incident Notification Form \_\_\_\_\_  
 Effective Date: July 13, 1998

# Incident Notification Form

PLEASE PRINT OR TYPE

Instructions are on the reverse side. Please complete all applicable blanks

1. Facility ID Number (if registered): \_\_\_\_\_ 2. Date of form completion: \_\_\_\_\_

**3. General information**

Facility name: \_\_\_\_\_  
 Facility Owner or Operator: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_ Telephone number: ( ) \_\_\_\_\_ County: \_\_\_\_\_  
 Facility mailing address: \_\_\_\_\_  
 Location of incident (facility street address): \_\_\_\_\_  
 Latitude and Longitude of incident (If known.): \_\_\_\_\_

4. Date of Discovery of incident: \_\_\_\_\_ month/day/year

5. Monitoring method that indicates a possible release or an incident: (check all that apply)

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Liquid detector (automatic or manual) | <input type="checkbox"/> Groundwater samples    | <input type="checkbox"/> Closure                              |
| <input type="checkbox"/> Vapor detector (automatic or manual)  | <input type="checkbox"/> Monitoring wells       | <input type="checkbox"/> Inventory control                    |
| <input type="checkbox"/> Tightness test                        | <input type="checkbox"/> Internal inspection    | <input type="checkbox"/> Statistical Inventory Reconciliation |
| <input type="checkbox"/> Pressure test                         | <input type="checkbox"/> Odors in the vicinity  | <input type="checkbox"/> Groundwater analytical samples       |
| <input type="checkbox"/> Breach of integrity test              | <input type="checkbox"/> Automatic tank gauging | <input type="checkbox"/> Soil analytical tests or samples     |
| <input type="checkbox"/> Visual observation                    | <input type="checkbox"/> Manual tank gauging    | <input type="checkbox"/> Other _____                          |

6. Type of regulated substance stored in the storage system: (check one)

- |                                      |   |                                       |
|--------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Diesel      | <input type="checkbox"/> Used/waste oil | <input type="checkbox"/> New/lube oil |
| <input type="checkbox"/> Gasoline    | <input type="checkbox"/> Aviation gas   | <input type="checkbox"/> Kerosene     |
| <input type="checkbox"/> Heating oil | <input type="checkbox"/> Jet fuel       | <input type="checkbox"/> Other _____  |
- Hazardous substance - includes CERCLA substances, pesticides, ammonia, chlorine, and their derivatives, and mineral acids.  
 (write in name or Chemical Abstract Service (CAS) number) \_\_\_\_\_

7. Incident involves or originated from a: (check all that apply)

- |   |   |  |                                |   |
|---|---|--|--------------------------------|---|
| <input type="checkbox"/> Tank   | <input type="checkbox"/> Unusual operating conditions | <input type="checkbox"/> Dispensing equipment                              | <input type="checkbox"/> Pipe  | <input type="checkbox"/> Overfill protection device |
| <input type="checkbox"/> Piping sump  | <input type="checkbox"/> Release detection equipment  | <input type="checkbox"/> Secondary containment system                      | <input type="checkbox"/> Other | <input type="checkbox"/> Dispenser Liners           |
| <input type="checkbox"/> Loss of >100 gallons to an impervious surface other than secondary containment |   | <input type="checkbox"/> Loss of >500 gallons within secondary containment |                                |   |

8. Cause of the incident, if known: (check all that apply)

- |   |  |   |                                      |
|---|--|---|--------------------------------------|
| <input type="checkbox"/> Overfill (<25 gallons) | <input type="checkbox"/> Spill (<25 gallons) | <input type="checkbox"/> Theft                | <input type="checkbox"/> Corrosion   |
| <input type="checkbox"/> Faulty Probe or sensor | <input type="checkbox"/> Human error         | <input type="checkbox"/> Installation failure | <input type="checkbox"/> Other _____ |

9. Actions taken in response to the incident: \_\_\_\_\_

10. Comments: \_\_\_\_\_

11. Agencies notified (as applicable):

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Fire Department. | <input type="checkbox"/> Local Program | <input type="checkbox"/> DEP (district/person) |
|---|--|--|

12. To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.

Printed Name of Owner, Operator or Authorized Representative

Signature of Owner, Operator or Authorized Representative.



## Instructions for completing the Incident Notification Form

**This form must be completed to notify the County of all incidents, or of the following suspected releases:**

1. A failed or inconclusive tightness, pressure, or breach of integrity test,
2. Internal inspection results, including perforations, corrosion holes, weld failures, or other similar defects that indicate that a release has occurred.
3. Unusual operating conditions such as the erratic behavior of product dispensing equipment, the sudden loss of product from the storage tank system, or any unexplained presence of water in the tank, unless system equipment is found to be defective but not leaking;
4. Odors of a regulated substance in surface or groundwater, soils, basements, sewers and utility lines at the facility or in the surrounding area;
5. The loss of a regulated substance from a storage tank system exceeding 100 gallons on impervious surfaces other than secondary containment, driveways, airport runways, or other similar asphalt or concrete surfaces;
6. The loss of a regulated substance exceeding 500 gallons inside a dike field area with secondary containment; and
7. A positive response of release detection devices or methods described in Rule 62-761.610, F.A.C., or approved under Rule 62-761.850, F.A.C. A positive response shall be the indication of a release of regulated substances, an exceedance of the Release Detection Response Level or a breach of integrity of a storage tank system.

*If the investigation of an incident indicates that a discharge did not occur (for example, the investigation shows that the situation was the result of a theft or a malfunctioning electronic release detection probe), then a letter of retraction should be sent to the County within fourteen days with documentation that verifies that a discharge did not occur. If within 24 hours of an incident, or before the close of the County's next business day, the investigation of the incident does not confirm that a discharge has occurred, an Incident Report Form need not be submitted.*

**A copy of this form must be delivered or faxed to the County within 24 hours of the discovery of an incident, or before the close of the next business day. It is recommended that the original copy be sent in the mail. If the incident occurs at a county-owned facility, a copy of the form must be faxed or delivered to the local DEP District office.**

### DEP District Office Addresses:

Northwest District  
160 Governmental Center  
Pensacola FL. 32501-5794  
Phone: 850-595-8360  
FAX: 850-595-8417

Northeast District  
7825 Baymeadows Way Suite B 200  
Jacksonville FL. 32256-7590  
Phone: 904-488-4300  
FAX: 904-488-4366

Central District  
3319 Maguire Blvd. Suite 232  
Orlando, FL. 32803-3767  
Phone: 407-894-7555  
FAX: 407-897-2966

Southwest District  
3804 Coconut Palm Dr.  
Tampa FL. 33619-8218  
Phone: 813-744-6100  
FAX: 813-744-6125

South District  
2295 Victoria Ave. Suite 364  
Ft. Myers FL. 33901-2549  
Phone: 813-332-6975  
FAX: 813-332-6969

Southeast District  
400 N. Congress Ave.  
West Palm Beach, FL. 33416-5425  
Phone: 561-681-6600  
FAX: 561-681-6790

(02/01/98)