



UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
CHERRY POINT, NORTH CAROLINA 28533-5001

AirStaO 5090.4

LN

3 MAR 1999

AIR STATION ORDER 5090.4

From: Commanding General
To: Distribution List

Subj: MANAGEMENT OF STORAGE TANKS FOR MCAS, CHERRY POINT; MCALF, BOGUE; MCOLF, ATLANTIC; AND BT-11

Ref: (a) Resource Conservation and Recovery Act, Hazardous and Solid Waste Amendments of 1984 (NOTAL)
(b) Federal Water Pollution Control Act of 1972 (NOTAL)
(c) 40 Code of Federal Regulations (CFR) 112 Oil Pollution Prevention (NOTAL)
(d) 40 CFR 300 National Oil and Hazardous Substance Pollution Contingency Plan (NOTAL)
(e) North Carolina Administrative Code Title 15A, Chapter 2, Subchapter 2N, Criteria and Standards Applicable to Underground Storage Tanks (NOTAL)
(f) North Carolina Oil Pollution and Hazardous Substance Act (NOTAL)
(g) AirStaO 5090.1
(h) Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (NOTAL)
(i) MCO P5090.2 (NOTAL)
(j) MCO 4400.170 (NOTAL)
(k) AirStaO 10340.7G
(l) AirStaO 11010.1E
(m) AirStaO P5100.8A
(n) 29 CFR 1910 Occupational Health and Safety Standards (NOTAL)

Encl: (1) Spill Report For Environmental Affairs Department
(2) Secondary Containment Structure Inspection and Maintenance Record
(3) AST Inspection Checklist
(4) Temporary Aboveground Storage Tank (AST) Notification
(5) EAD Storage Tank Inspection Checklist
(6) Product Transfer Record

3 MAR 1999

- Reports Required:
- I. Spill Report for Environmental Affairs Department (Report Control Symbol AS-5090-04), enclosure (1)
 - 11. Secondary Containment Structure Inspection and Maintenance Record (Report Control Symbol AS-5090-41), enclosure (2)
 - III. Temporary Aboveground Storage Tank Notification (Report Control Symbol AS-5090-42), enclosure (4)
 - IV. Product Transfer Record (Report Control Symbol AS-5090-43), enclosure (6)

1. Purpose. To establish policy and procedures for the development, installation, and management of storage tank systems (i.e., aboveground or underground) which include release detection, record keeping and reporting, inventory control, release response and corrective action, and out of service storage tank closure.

2. Background. MCAS, Cherry Point, North Carolina and its outlying fields operate a large number of tank systems for the purpose of storing petroleum and other hazardous substances. Reference (a) mandated that the U.S. Environmental Protection Agency develop standards to regulate underground storage tanks (UST's) containing petroleum and hazardous substances. References (b) through (d) are the federal regulations affecting storage tanks. Reference (e) establishes the technical standards and corrective action requirements for owners and operators of UST systems within the state of North Carolina, while reference (f) addresses procedures to be followed for other types of storage tanks.

3. Definitions

a. Storage Tank. Either an aboveground storage tank (AST) or UST and associated piping that is used to contain and/or store regulated substances.

b. Release. Any spilling, leaking, emitting, discharging, escaping, leaching, or disposing from a storage tank onto surface soils or into the groundwater, surface water, or subsurface soils.

c. Release Detection. A management method and/or monitoring equipment for determining whether a release of a regulated substance has occurred from the storage tank and its secondary barrier or secondary containment around it.

d. Aboveground Storage Tank. Any stationary tank which is on or above the ground surface or any tank which can be inspected in a subterranean vault. Includes tactical aviation fuel dispensing system (TAFDS) and temporary refueling systems that will be in a single location for 6 months or greater. The TAFDS and refueling systems solely for field operations, of less than 6 months in length, only need to comply with reference (g). The TAFDS and temporary refueling systems that will be in one place for greater than 6 months will meet AST requirements as outlined by the Environmental Affairs Department (EAD).

e. Owner. Any person who owns or controls the use of a storage tank used for storage or dispensing regulated substances. For the purpose of this Order, the CG MCAS, Cherry Point is the designated owner of all storage tanks within this command.

f. Operator. Any person in control of, or having responsibility for, the daily operation of the storage tank.

g. Underground Storage Tank. Any one or combination of tanks (including underground pipes connected thereto) that is used to contain an accumulation of regulated substances with at least 10 percent or more of its volume beneath the surface of the ground.

h. Regulated Substance. Any substance defined in reference (h) and petroleum, including crude oil or any fraction thereof, that is liquid at standard conditions of temperature and pressure. 4 regulated substance includes, but is not limited to, petroleum and petroleum based liquids comprised of a complex blend of hydrocarbons derived from crude oil, such as motor fuels, jet fuels, distillate fuel oils, residual fuel oils, lubricants, petroleum solvents, and used oils.

i. Overfill Release. A release that occurs when a storage tank is filled beyond its capacity, resulting in a discharge of the regulated substance into the environment.

3 MAR 1999

j. Maintenance. The normal operational upkeep to prevent a storage tank system from releasing a product.

k. Aboveground Release. Any release to the surface of the land or surface water. This includes, but is not limited to, release from the aboveground portion of a storage tank system and aboveground releases associated with overfill and transfer operations as the regulated substance moves to and from a storage tank.

l. Compatible. The ability of two or more substances to maintain their respective physical and chemical properties upon contact with one another for the design life of the storage tank under conditions likely to be encountered in the storage tank.

m. Below Ground Release. Any release to the subsurface of the land and to groundwater. This includes, but is not limited to, releases from the below ground portions of a storage tank and below ground release associated with overfills and transfer operations as the regulated substance moves to or from a storage tank.

4. Organization. The management of storage tanks aboard MCAS, Cherry Point and its outlying fields is regulated by references a) through (f). In accordance with reference (i), the CG MCAS, Cherry Point, is the designated owner of all storage tanks within this command. The Director of Facilities is responsible for ensuring that all units with storage tanks meet the applicable regulatory requirements. The EAC provides overall coordination of the storage tank management program. The Naval Hospital, Naval Aviation Depot, and units/squadrons of 2d MAW are designated as the operator of the storage tanks at their facility.

5. Action

a. All units which operate a storage tank at their facility or have a storage tank located at their facility will designate, by letter, a storage tank coordinator (e.g., motor transport operations chief) for the facility. The letter will include name, rank, and duty phone. A copy of the letter will be forwarded to the EAD within 10 working days of assignment to these duties. It is recommended that this person be familiar with the fuel supply system at the unit. For units with heating oil storage tanks, either aboveground or

underground, the storage tank coordinator should be the person responsible for reporting maintenance problems to the Facilities Maintenance Department (FMD). The storage tank coordinator should work with his/her hazardous waste coordinator and handlers. A list of active storage tanks is maintained and available for review at the EAD.

b. Each storage tank coordinator, with the exception of those overseeing heating oil tanks located at buildings occupied by 2d MAW, will:

.(1) Develop and maintain a storage tank operating file. All operating files will be stored in a single location and will be readily available for inspection by the EAD, state, and federal regulatory agencies. The file will include, at a minimum:

(a) A copy of this Order

(b) A diagram of each storage tank, indicating the location with respect to site boundaries and any permanent structures; the total storage capacity of the tank in gallons; the exact type of petroleum product or hazardous substance stored; and the year the tank was installed. For areas with more than one storage tank a single diagram will be sufficient.

(c) Inventory control records.

(d) Copies of all spill/overfill reports.

(e) Copies of EAC inspections.

(2) Implement a storage tank management program to document, at a minimum:

(a) Inventory control program in accordance with references (j) and (k).

(b) Procedures to ensure personnel working with petroleum products are trained in spill notification and inventory control procedures.

3 MAR 1999

(c) Procedures to immediately notify the EAD should the inventory control measures indicate a leak or release has occurred at a storage tank.

(d) Procedures to immediately notify the EAD if any unusual operating conditions are observed.

(e) Procedures to immediately notify the EAD if a below ground release is suspected. These releases may be identified by fuel odors inside the building, discoloration along the building foundation (either inside or outside), fuel seeping into a drainage ditch, or pooling on the ground surface.

(f) Procedures to immediately notify the EAD of spills or overfill releases that occur during filling of a storage tank, refueling vehicles, and leaks from dispensers in accordance with reference (1). Enclosure (1) will be forwarded to the EAD as soon as cleanup is complete.

(g) Procedures to request the Fuels Department to test and verify accuracy of product dispensing meters and assistance in removing condensate water that may accumulate in storage tanks.

(h) Procedures to inspect rain water accumulation and integrity of AST containment berms. Release valves must be secured with a locking device which uses a key maintained in a secure location. All rain water releases will be visually inspected prior to release and logged into the storage Tank logbook. Enclosure (2) will be completed and returned to EAD on a monthly basis. The log should note ambient weather conditions, condition of contained water, estimated quantity discharged, and any other relevant data such as time, date, and signature of the valve operator.

(3) Implement procedures to conduct required inspections per the checklists in enclosure (3), monitoring, and testing, as well as requests for document submission, testing, and monitoring reports which may be requested by the EAD.

(4) Maintain a logbook of inspections, monitoring, repairs, equipment calibrations, stormwater releases from containment berms, suspect releases, inventory reconciliation, and spills.

3 MAR 1999

(5) Notify EAD using enclosure (4), 30 days prior to setup of all TAFDS's or temporary refueling systems that will be in use for greater than 6 months. EAD will be notified prior to change-out of TAFDS bladders and liners to allow for complete inspection of containment berms.

c. Each storage tank coordinator for heating oil tanks located at buildings occupied by 2d MAW will:

(1) Develop and maintain a storage tank operating file. All operating files will be stored in a single location and will be readily available for inspection by the EAD, state, and federal regulatory agencies. The file will include, at a minimum:

(a) A copy of this Order.

(b) A diagram of each storage tank, indicating the location with respect to site boundaries and any permanent structures; the total storage capacity of the tank in gallons; the exact type of petroleum product or hazardous substance stored; and the year the tank was installed. For areas with more than one storage tank a single diagram will be sufficient.

(c) Copies of EAD inspections.

(2) Implement a storage tank management program to document, at a minimum:

(a) Procedures to immediately notify the EAD if any unusual operating conditions are observed.

(b) Procedures to immediately notify the EAD if a below ground release is suspected. These releases may be identified by fuel odors inside the building, discoloration along the building foundation (either inside or outside), fuel seeping into a drainage ditch, or fuel pooling on the ground surface.

(c) Procedures to inspect rain water accumulation and integrity of AST containment berms. Release valves must be secured with a locking device using a key maintained in a secure location. All rain water releases will be visually inspected prior to release

3 MAR 1999

and logged into the storage tank logbook. Enclosure (2) will be completed and returned to EAD on a weekly basis. The log should note ambient weather conditions, condition of contained water, quantity discharged, and any other relevant data such as time, date, and signature of the valve operator.

(3) Implement procedures to conduct required inspections per the checklists in enclosure 3), monitoring, and testing, as well as requests for document submission, testing, and monitoring reports which may be requested by the EAD.

d. . The EAD will:

(1) Provide technical assistance and compliance training to Air Station units and tenant commands (i.e., storage tank coordinators) to implement inventory control measures and set up storage tank operating files.

(2) Inspect Air Station units and tenant commands for compliance with applicable laws, regulations, and directives using the checklist in enclosure (5), and make recommendations for improving the storage tank compliance program. A written report of any discrepancies noted during an inspection will be forwarded to the inspected unit via the chain of command.

(3) Maintain on file a complete list of storage tank coordinators, an Air Station storage tank inventory, documentation of operation of cathodic protection equipment, documentation of compliance with release detection requirements, results of all annual tank tightness testing, maintenance and repair reports, site investigation reports, closure reports, and spill/overfill reports.

(4) Coordinate with units that are having UST's replaced to ensure that new tanks are installed aboveground. Ensure adequate documentation is prepared for special cases where tanks will be replaced underground by conforming UST's.

(5) Act as official liaison between local, state, and federal environmental regulatory agencies and MCAS, Cherry Point and its tenant commands.

~~3~~ MAR 1999

(6) Notify the state agency of any petroleum product spill that enters the waterway, that is 25 gallons or more from a UST, or any hazardous substance spill that is greater than the reportable quantity.

e. The FMD, when responsible for any fuel product transfer operations to or from storage tank systems, will:

(1) Ensure that aboveground releases due to leakage or overfilling during product transfer do not occur. Ensure that the volume available in a storage tank is greater than the volume of product to be transferred to the storage tank before a product transfer is made and that the transfer operation is monitored constantly to prevent overfilling and spilling. Ensure that the product to be transferred into a storage tank is compatible with the materials of the tank.

(2) Immediately contain and cleanup any spill, overfill, or release of petroleum or hazardous substance which occurs during product transfer operations in accordance with reference (1). Immediately notify the storage tank coordinator at the storage tank site and the EAD of the spill.

(3) Document each spill or overfill release in accordance with reference (1) using enclosure (1), and develop and maintain a spill history file of the spill/overfill reports. The spill report will be completed by the person causing the spill or overfill release. A copy of the completed spill/overfill report will be submitted to the storage tank coordinator at the storage tank site for inclusion in the operating files and the EAD database.

(4) Maintain accurate and detailed records of all product transfer operations. Submit enclosure (6) to the EAD at the end of each month. Records should include, at a minimum:

(a) Date and time of transfer.

(b) Tank I.D. number.

(c) Type and amount of product transferred

3 MAR 1999

(d) Comments (any unusual operating conditions observed).

(e) Signature of fuel delivery person.

(f) Spill history file.

(5) Complete a visual check of the overall condition of the fill area (fill pipe and spill containment system) at the time of product transfer, and maintain the area such that no water, product, or sludges accumulate in the spill containment area.

(6) Inspect the storage tank site for below ground releases. These releases may be identified by inventory control records, fuel odors inside buildings or crawl spaces, discoloration along building foundations (either inside or outside), fuel seeping into drainage ditches, or pooling on ground surfaces. If a below ground release is suspected, notify EAD immediately.

(7) Perform routine and emergency maintenance/repairs at all storage tank sites. EAD will be notified of all of maintenance/repairs performed at storage tank sites.

f. The Fuels Department of the Supply Directorate, when responsible for any fuel product transfer operations to or from storage tank systems, will follow the procedures outlined in paragraph 5b, except paragraph 5b(2)(g), and will:

(1) Ensure that aboveground releases, due to leakage or overfilling during product transfer, do not occur. Ensure the volume available in a storage tank is greater than the volume of product to be transferred to the storage tank before a product transfer is made and that the transfer operation is monitored constantly to prevent overfilling and spilling. Ensure the product to be transferred into a storage tank is compatible with the materials of the tank.

(2) Immediately contain and cleanup any spill, overfill, or release of petroleum or hazardous substance which occurs during product transfer operations in accordance with reference (1). Immediately notify the EAD of the spill.

3 MAR 1999

(3) Document each spill or overfill release in accordance with reference (1) using enclosure (1), and develop and maintain a spill history file of the spill/overfill reports. A copy of the completed spill/overfill report will be maintained in the operating files, and a copy will be submitted to EAD.

(4) Complete a visual check of the overall condition of the fill area (fill pipe and spill containment system) at the time of product transfer and maintain the area such that no water, product, or sludges accumulate in the spill containment area.

(5) Inspect the storage tank site for below ground releases. These releases may be identified by inventory control records, fuel odors inside buildings or crawl spaces, discoloration along building foundation (either inside or outside), fuel seeping into a drainage ditch, or pooling on the ground surface.

(6) Upon request, test the accuracy of product dispensing meters routinely to ensure that the inventory control records are accurate and assist in removing condensate water that accumulates in the storage tank.

g. Fuel product transfer operations at the Naval Hospital are the responsibility of the storage tank coordinator and this individual will follow the procedures outlined in paragraph 5e.

h. Training/Education Department. Civilian Training, in cooperation with the EAD, will develop, budget, and implement a continuous training program for all military and civilian personnel who are involved in the management and maintenance of storage tanks. Civilian Training will maintain official records of employee training and coordinate scheduling of employees for training with respective directorates/departments/units.

i. Officer in Charge of Construction/Resident Officer in Charge of construction (OICC/ROICC). The OICC/ROICC will ensure that all construction contracts at MCAS, Cherry Point and outlying fields include provisions for the proper management of storage tanks. Storage tank removals, installations, and construction operations must be in accordance with applicable state and federal regulations and

3 MAR 1999

guidelines (e.g., American Petroleum Institute and Petroleum Engineers Institute Standards), and Air Station directives. All contracts pertaining to storage tanks will be submitted to the EAD for review and comment prior to award.

j. Facilities Support Contracts (FSC) Department. The FSC Department will ensure all maintenance contracts at MCAS, Cherry Point and outlying fields include provisions for the proper management of storage tanks. Storage tank removals, installations, tightness testing, and construction must be in accordance with applicable state and federal regulations and guidelines (e.g., American Petroleum Institute and Petroleum Engineers Institute Standards), and Air Station directives. FSC is also responsible for providing emergency contracts to handle cleanup and disposal of a leak or spill that exceeds the capability of the FMD.

k. Air Station Fire Division. The Air Station Fire Division will conduct fire prevention inspections, provide technical support as required, and initial emergency response for product spill or overfill incidents, tank cleaning or tank removal incidents, or any storage tank related emergency situation. Additionally, the Fire Division Chief or duty Fire Captain will act as the on-scene coordinator for storage tank emergency response in accordance with reference (l).

l. Naval Hospital. The Naval Hospital will provide technical support and emergency services in accordance with references (l) and (m).

m. Naval Hospital Industrial Hygienist. The Naval Hospital Industrial Hygienist will provide technical advice regarding worker health issues in accordance with reference (n). Advise Air Station personnel on health concerns, respirator training, and soil vapor monitoring during storage tank construction, cleaning or removal activities and/or release response.

n. Joint Safety and Standardization Office. The Joint Safety and Standardization Office will provide technical advice regarding worker safety and health issues. Advise Air Station personnel on safety and health concerns, requirements of confined space entry, and lower and upper explosive limit monitoring during storage tank construction, cleaning or removal activities, and/or release response.

3 MAR 1999

6. Records Disposition. Maintain all records associated with storage tanks for the operating life of the storage tank. Upon removal of the storage tank, all records will be turned over to EAD for disposition.
7. Violations. The CG MCAS, Cherry Point, as well as individuals, may be held personally liable for violations of environmental laws. Individuals responsible for violations of references (a) through (f) may be subject to civil and/or criminal penalties of up to \$10,000 per day and/or a jail sentence.
8. Enclosures. Enclosures (1) through (6) may be reproduced locally or obtained from the EAD.
9. Concurrence. This Order has been coordinated with and concurred in by the Commanding General, 2d MAW; the Commanding Officers, Naval Aviation Depot and Combat Service Support Detachment 21.



M. W. FORBUSH
Chief of Staff

DISTRIBUTION: A

AirSta0 5090.4
3 MAR 1999

Spill Report
 For Environmental Affairs Department

Reporting spill: Unit: _____ Person: _____ Phone No.: _____	Date/Time of spill: _____ Date/Time cleanup began _____
Jnit responsible for spill: _____	Amount spilled: _____
Spill location (Bldg, pit, structure, etc.) _____ Spill enter a drainage system? yes _____ no _____	Type of surface spill occurred: Water _____ Asphalt _____ Grass _____ Gravel _____ Soil _____ Concrete _____ Other _____
Procedure to eliminate spill: Shutoff pumps _____ Close valves _____ Overpack container _____ Upright container _____ Nothing available _____ Cther _____	Caused By: Equipment failure _____ Human error _____ Other _____ Is this a reoccurring problem? yes _____ no _____
Notification: (Check each notified) Fire Div (2241/3333) _____ Crash Crew (2420) _____ FMD (4363) _____ EAD (4591) _____ Unit Duty Officer (after hrs _____ Industrial Hygienist (3833) _____ JSSO (2730) _____	Name of OSCDR: _____ Section Leader's signature _____ Supervisor's signature _____
Additional comments from the reporting activity: _____ _____ _____ _____	
EAD Person Receiving Call: _____	
EAD Spill Log Number : _____	

ENCLOSURE (1)

AirStaO 5090.4

3 MAR 1999

FOR EAD USE ONLY

Over RQ		Date/Time of notification:
CERCLA HS : _____	_____	Agency notified: NRC _____ SERC _____ LEPC _____ State _____ Raleigh _____ Washington _____ Wilmington _____ EPA _____ Other _____
EPCRA EHS : _____	_____	
Spill near UST/AST:		
Tank Manager:		
EPCRA Manager:		
Additional comments from EAD: _____		

EAD Responder's Signature _____

Spill Response Debrief Meeting

Date/Time of meeting:	Location of meeting:
Attendees:	
EAD	_____
Fire Division	_____
FMD	_____
JSSO	_____
NAVAVNDEPOT Representative	_____
Wing Representative	_____
Other	_____

Attach a Material Safety Data Sheet on all chemical spills.
Attach supporting letters and documentation associated with spill.

ENCLOSURE (1)

SECONDARY CONTAINMENT STRUCTURE
INSPECTION AND MAINTENANCE RECORD

1. Inspector's Name/Phone Number: _____
2. Date of Inspection: _____
3. Building/Structure Number: _____
4. Unit/Responsible Activity: _____
5. Location: _____

6. Required inspection items (,Check each item):

- a. Gate valve closed
- b. Drainage valve locked in closed position
- c. Condition of valve components (handwheels, seals, lubrication)
- d. Water in containment area
- e. Evidence of spills (surface sheens, odors, stains)
- f. Cracks through containment curbs/foundation pads
- g. Structural integrity (rusting, spalling)
- h. Condition of finish coats

Notes: _____

7. Maintenance action, Work Ticket number and date requested (indicate "none" if applicable):

8. Maintenance action and date performed (indicate "none" if applicable):

9. Notes:

NOTE: A copy of the completed form shall be filed by the inspecting command and the completed original shall be submitted to the Environmental Affairs Department, Building 4223 by the fifteenth of following month.

ENCLOSURE (2)

AST INSPECTION CHECKLIST

Inspectors Name/Phone Number:

Bldg/Structure Number:

Unit/Responsible Activity:

Location:

	JAN	FEB	MAR
Inspection Initials			
Items: Date			
Tank valves closed?			
Drainage valves closed?			
Condition of valve components:			
Water in containment:			
Evidence of spills?			
Cracks in containment?			
Structural integrity?			
Condition of finish coats			
Maintenance actions:			
Nature Date of request?			
Date work completed:			
III-A's Gauge working			
Notes:			

AirStaO 5090.4
3 MAR 1999

Fax#: 6-2000

Call 6-6717, 6-4186, or 6-3631 to report spills or unusual conditions

UST INSPECTION **CHECKLIST**

Inspectors Name/Phone Number _____

Bldg/Structure Number: _____

Unit/Responsible Activity: _____

Location: _____

ENCLOSURE (3)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Inspection												
Initial												
Items:												
Date:												
Is leak detection system working?												
Any oil in spill containment?												
Is overfill alarm working?												
Evidence of spills?												
Problems with pumps?												
Maintenance actions:												
Nature Date of request:												
Date work completed?												
Notes:												

Call 6-6717, 6-4186, or 6-3631 to report spills or unusual conditions

Fax#: 6-2000

AirStaO 5090.4
7 3 MAR 1999

TEMPORARY ABOVEGROUND STORAGE TANK (AST) NOTIFICATION

From:

To: Environmental Affairs Department, Attn: Storage Tank Program
Manager

Via:

Subj: NOTIFICATION OF TEMPORARY ABOVEGROUND STORAGE TANK

Ref: (a) AirStaO 5090.4
(b) AirStaO 5090.1
(c) AirStaO 11010.1E

1. In compliance with reference (a), the following information is provided regarding the proposed temporary AST.

- a. Date installed: _____
- b. Capacity (gallons): _____
- c. Secondary Containment (double wall tank, concrete berm, sandbag berm, earthen berm): _____
- d. Intended use: _____
- e. Length of time to be used: _____
- f. Location (include nearest permanent structure): _____
- g. POC/Telephone: _____

2. The AST will be managed in accordance with the references listed above, as applicable.

3. Responsible Officer-in-Charge signature: _____

ENCLOSURE (4)

3 MAR 1999

EAD STORAGE TANK INSPECTION CHECKLIST

Storage Tank ID: _____ Storage Tank Coordinator: _____ Phone: _____
 Month/Year: _____ EAD Inspector: _____ Phone: _____

STORAGE TANK SITE

Dispensing Equipment: operation/spill/leaks
 Leak Detection-unusual Operating Conditions

Tanks:

daily/monthly inventory control
 groundwater monitoring
 interstitial monitoring
 tightness testing

Piping:

auto line leak detector
 monthly monitoring

Spill/Overfill Protection

Catch Basin

High Level Alarm/Shutoff

Corrosion Protection System

No spills on Site

Spill Response Equipment

Absorbent Material

Sandbags/Diking Material

Personnel Equipment: boots, gloves

Condition of Equipment

Emergency Number

OPERATING FILE

Air Station Order 5090.4

Diagram of Storage Tank Area *

Daily Inventory Control Records

Monthly Reconciliation

Log of Repairs/Maintenance Problems

Spill Emergency Plan

Spill Reports

Training Records

new personnel immediately

annual refresher

EAD Inspections

	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT
Dispensing Equipment: operation/spill/leaks								
Leak Detection-unusual Operating Conditions								
Tanks:								
daily/monthly inventory control								
groundwater monitoring								
interstitial monitoring								
tightness testing								
Piping:								
auto line leak detector								
monthly monitoring								
Spill/Overfill Protection								
Catch Basin								
High Level Alarm/Shutoff								
Corrosion Protection System								
No spills on Site								
Spill Response Equipment								
Absorbent Material								
Sandbags/Diking Material								
Personnel Equipment: boots, gloves								
Condition of Equipment								
Emergency Number								
OPERATING FILE								
Air Station Order 5090.4								
Diagram of Storage Tank Area *								
Daily Inventory Control Records								
Monthly Reconciliation								
Log of Repairs/Maintenance Problems								
Spill Emergency Plan								
Spill Reports								
Training Records								
new personnel immediately								
annual refresher								
EAD Inspections								
Date: / /								
Time: / /								

* to include on-site structures capacity,
 contents, and year installed

I	A	I	A	I	A	I	A
N	C	N	C	N	C	N	C
S	T	S	T	S	T	S	T
P	I	P	I	P	I	P	I
E	V	E	V	E	V	E	V
C	I	C	I	C	I	C	I
T	T	T	T	T	T	T	T
O	Y	O	Y	O	Y	O	Y
R		R		R		R	

ENCLOSURE (5)

[illegible]

1