

**SPILL PREVENTION, CONTROL, AND COUNTERMEASURES
BEST MANAGEMENT PLAN**

Prepared For:



**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
Central Administrative Support Center
Kansas City, Missouri 64106**

**NATIONAL WEATHER SERVICE
Goodland Weather Forecast Office
920 Armory Road
Goodland, KS 67735**

Prepared By:



**Tetra Tech EM Inc.
6100 219th Street SW, Suite 550
Mountlake Terrace, WA 98043**

Contract Number: 50WCNA906018

Tetra Tech Task Order: G1063-0057

March 13, 2002

**SPILL PREVENTION, CONTROL, AND COUNTERMEASURES
BEST MANAGEMENT PLAN**

N O A A

**NATIONAL WEATHER SERVICE
Goodland Weather Forecast Office
920 Armory Road
Goodland, Kansas 67735**

Designated Person Responsible for Spill Prevention (DRO):

Printed Name: Scott Mentzer

Signature: _____

Date: _____

Telephone: (785) 899-2360

The Regional Environmental Compliance Officer (RECO) has reviewed the facility and determined that an SPCC Plan is not required per 40 CFR 112. This Plan is developed strictly as a Best Management Plan. The determination is based on:

- The facility does not exceed capacity.
- The facility meets capacity requirements but, a discharge will not reach navigable waterways.

RECO Printed Name: Sherilyn Villegas

RECO Signature: _____

Date: _____

PART I - GENERAL INFORMATION

A. GENERAL

This section of the Best Management Plan provides general information about the facility.

1. Name:

National Weather Service (NWS) Goodland Weather Forecast Office (WFO)

2. Date of Initial Operation:

February 20, 1991

3. Location:

Street: 920 Armory Road
City: Goodland
State/Zip Code: Kansas / 67735
Latitude:
Longitude:

4. Name and phone number of owner (POC)

Scott Mentzer, Environmental Focal Point (785) 899-2360

5. Facility Contacts

<u>Name</u>	<u>Title/EC Role</u>	<u>Telephone Number</u>
Scott Mentzer	Environmental Focal Point	(785) 899-2360

B. SITE DESCRIPTION AND OPERATIONS

The facility is located in Sherman County, Kansas, just north of the outskirts of Goodland. The facility's aboveground storage tanks (AST) are used to store diesel fuel for emergency backup generators that provide emergency power to the WFO. The Goodland WFO contains a total of four ASTs, including a 500-gallon AST, two 225-gallon ASTs, and a 25-gallon day tank.

Fuel usage for the weather station is estimated at 80 gallons per month, based on fuel records for a 6-month period. The WFO generator is tested for 30 minutes per week. Fuel consumption would increase based on the frequency and duration of any power outages.

In addition to the diesel fuel used for emergency power generation, this facility also stores small amounts of other chemicals (e.g., paint, solvents, antifreeze, and pesticides) for maintenance activities in a dedicated flammable locker located within a WFO building storage room.

Appendix A includes a Tank Ullage and Fueling Log (Appendix A-1) that should be used when fuel is delivered. Appendix A-2 includes a Fuel Unloading Procedure Checklist that should be completed when fuel is delivered.

PART II - SPILL COUNTERMEASURES AND REPORTING

A. SPILL COUNTERMEASURES

This section presents countermeasures to contain, clean up, and mitigate the effects of an oil spill that impacts navigable waters or adjacent shorelines.

A spill containment and cleanup activity will never take precedence over the safety of personnel. No countermeasures will be undertaken until conditions are safe for workers. The **SWIMS** procedure should be implemented as countermeasures:

- S** - Stop the leak and eliminate ignition sources.
 - a. Attempt to seal or some how stop leak if it can be done safely.
 - b. Attempt to divert flow away from the drainage ditch with a spill barrier or the contents of spill kit. The spill kit is located near the day tank in the generator room.
 - c. Eliminate all ignition sources in the immediate area.
- W** - Warn others.
 - a. Yell out "SPILL." Inform the person in-charge at your facility.
 - b. Account for all personnel and ensure their safety.
 - c. Notify contacts and emergency response contractor as described in the following section for assistance in control and cleanup.
- I** - Isolate the area.
 - a. Rope off the area.
- M** - Minimize your exposure. Stay upwind.
- S** - Stand by to assist the emergency response contractor, if necessary.

B. SPILL REPORTING

1. General Notification Procedures for All Spills

Within 24 hours, the responsible person or designee (DRO on this plan title page) is directly charged with reporting all oil spills that result from facility operations as follows

- a. In the event of an emergency (for example, fire or injury), call **9-1-1**
- b. Notify the appropriate persons within your region and line office.

**National Weather Service:
Mike Jacob, NWS Environmental Compliance Officer
Phone number: (301) 713-1838 Ext. 165, Jmichael.Jacob@NOAA.GOV**

**Olga Kebis, NWS Safety Officer
Phone number: (301) 713-1838 Ext. 173, Olga.Kebis@NOAA.GOV**

**Kirt Grahl, NWS Midwest Regional Environmental/Safety Coordinator
Phone number: (816) 426-3226 Ext. 470, Kirt.Grahl@NOAA.GOV**

- c. Notify the appropriate Regional Environmental Compliance Officer (RECO) at the NOAA Environmental Compliance and Safety Office Program.

Sherilyn Villegas, Central Regional Environmental Compliance Officer
Phone number: (816) 426-3925 Ext. 263, Sherilyn.S.Villegas@NOAA.GOV

- d. RECO must determine if Federal or State notification is required and follow up accordingly.

2. Cleanup Contractor Notification

An emergency response contractor should also be notified to assist with the clean up if necessary. NWS has identified and contacted the following contractors that are available for an emergency response:

<u>Contractor</u>	<u>Phone Number</u>
D J Environmental	(888) 564-5550
Philip Environmental Services	(800) 567-7455
Hertel Tank Services Inc.	(785) 628-6061

3. Spill Report

Complete a spill report using the format provided in Appendix B. Send this to the RECO.

C. Training

The Environmental/Safety Focal Point and an alternate should be trained in spill countermeasures. The alternate should be designated in case the primary person is off site at the time of a spill.

APPENDIX A

**TANK ULLAGE/FUELING LOG AND
FUEL UNLOADING PROCEDURE CHECKLIST
(2 Pages)**

APPENDIX A-2

FUEL UNLOADING PROCEDURE CHECKLIST

Date: _____ **Tank:** _____

NWS Representative: _____ **Supplier:** _____

√	ITEM	DESCRIPTION	COMMENT
The following six items must be completed <u>prior</u> to fuel unloading:			
	1	Move spill containment equipment, such as booms or spill barriers, into the unloading area.	
	2	Ensure the audible high-level alarm system and automatic shutoff valve are functioning properly.	
	3	Determine the available capacity (ullage) of the tank by converting the reading on the fuel gauge to gallons (see Appendix A-1). The ullage should then be marked in the fueling log and communicated to the tank truck unloading contractor.	
	4	Block the wheels of the tank truck.	
	5	Place drip pans under all pump hose fittings (if applicable) after the hose is hooked up to the tank and before unloading.	
	6	Ensure the fill nozzle is placed in the appropriate tank appurtenance.	
During unloading			
	7	Ensure that the NWS representative and the tank truck operator remain with the vehicle at all times during unloading.	
	8	Monitor the gauges on the tank and the truck continuously to ensure the ullage is not exceeded. If the audible high-level alarm sounds, the unloading of fuel is stopped as soon as possible.	
After fuel unloading is completed			
	9	Record the amount of fuel unloaded in the log (Appendix A, page A-1).	
	10	Before removing the fill hose from the tank, ensure that it is drained and that all drain valves are closed (if applicable).	
	11	Any fuel accumulated in the drip pans or spill container on the fill pipe should be poured into the tank (if it has the capacity) or disposed of appropriately (describe how it was disposed of, if applicable).	
	12	Inspect the tank truck before removing the blocks to ensure the lines have been disconnected from the tank.	
	13	Remove the blocks from the tank truck wheels.	
	14	Place a copy of this fuel unloading procedure checklist in the Best Management Plan.	

APPENDIX B

SPILL REPORTING FORM
(1 Page)

**APPENDIX B
SPILL REPORTING FORM**

1. GENERAL		
Name of Facility: Goodland Weather Forecast Office	Address: 920 Armory Road Goodland, KS 67735	
Completed By:	Organization: National Weather Service	
Position:	Phone:	
2. SPILL INFORMATION		
Date:	Time:	
Location at Facility:	Quantity:	
Substance Spilled: Diesel Fuel	Other:	
3. OUTSIDE NOTIFICATIONS		
Agencies/Organizations	Recorder at Outside Agency	Date and Time
Call 9-1-1 (or the local emergency agency), if there is an immediate emergency		
NWS/NOAA: Mike Jacob: (301) 713-1838, x165 Olga Kebis: (301) 713-1838, x173 Kirt Grahl: (816) 426-3226, x470 Sherilyn Villegas: (816) 426-3925, x263		
4. INFORMATION ON SOURCE AND CAUSE		
5. DESCRIPTION OF ENVIRONMENTAL DAMAGE		
6. CLEANUP ACTION(S) TAKEN		
7. CORRECTIVE ACTION(S) TO PREVENT FUTURE SPILLS		

Note: All information must be filled in. If something is unknown, write "unknown."
Copies must be sent to the NWS/NOAA personnel listed above.