

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

N O A A

NATIONAL WEATHER SERVICE

**Memphis Radar Data Acquisition Site
8025 Indianapolis Avenue
Millington, TN 38503-2198**

Designated Person Responsible for Spill Prevention (DRO):

Printed Name: Margaret Trippany

Signature: _____

Date: _____

Telephone: (901) 544-0412

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: Mark George

RECO Signature: _____

Date: _____

April 16, 2003

Millington,
TN

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) Memphis Radar Data Acquisition (RDA) Site

2. Date of Initial Operation:

1996

3. Location:

Street: 8025 Indianapolis Ave
City: Millington
State/Zip Code: Tennessee 38053-2198

4. Name and phone number of owner (Point of Contact)

Margaret Trippany
Environmental Focal Point
(901) 544-0412

5. Facility Contacts

Terry Brisbin
NWS Southern Region Environmental/Safety Coordinator
(817) 978-7777, Ext. 139

B. SITE DESCRIPTION AND OPERATIONS

The Memphis RDA site is located in Millington, Tennessee and is managed by the Memphis WFO. The RDA site is located in Millington, TN.

Emergency backup power is provided for the RDA tower and equipment by a diesel-powered electric generator, typically needed during weather-related outages. The No. 2 diesel fuel that powers the generator is stored in two 250-gallon above ground storage tanks (AST) that are connected in series and essentially act as one 500-gallon AST. The emergency generator is operated approximately 4 to 5 hours per month and is typically used during weather-related power outages. The generator also is operated once per week for maintenance purposes. Approximately 15 gallons per month of fuel are used on average.

The two 250-gallon RDA tanks are rectangular, single-walled, welded steel plates. Fuel for the RDA generator is fed directly from the RDA tanks via rubber supply lines. The RDA tanks and RDA generator are located in the RDA generator building and are not exposed to precipitation. The RDA tanks are located inside a building that is designed to provide sufficient containment for potential spills from the tanks. The RDA generator building is designed with a "tub flooring" with a raised door frame to prevent spills from flowing from the building. Adequate containment volume is provided in the building in the case of a spill or leak from the tanks.

A gravel surface surrounds the RDA generator building and drainage from the area outside the building flows southeast towards unnamed tributaries of the Big Creek Drainage Canal.

The facility should maintain spill kit materials such as absorbent pads and mats sufficient to prevent a spill from reaching a nearby water body. The facility currently maintains spill kit materials including absorbent pads and socks that can be used to divert a small spill. This kit also includes an 85-gallon container that can be used as a disposal container.

PART II - OPERATIONAL PROCEDURES FOR SPILL PREVENTION AND CONTROL

1. Fuel Unloading

- a. Appendix A includes a Tank Ullage and Fueling Log (Appendix A-1) that should be used when fuel is delivered; and
- b. Appendix A also contains a Fuel Unloading Procedure Checklist (Appendix A-2) that includes a list of procedures that should be implemented when fuel is delivered.

2. Inspections and Records

Inspection and Maintenance of Tanks: The storage tanks should be inspected weekly for any oil outside the tanks, especially at seams (including the underside). The outside of exposed piping should be inspected weekly, especially at the joints such as gasket fittings. Monthly and annual inspections should follow the checklists presented in Appendix B.

Record Keeping: The Environmental Focal Point or designated representative is responsible for completing the ullage logs and documenting fuel unloading procedures. These records, as well as records of all inspections, should be maintained for at least 5 years from the time of inspection.

PART III - 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 as follows:

- 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 in the generator building.
 - 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** (if "9" is required to obtain an outside telephone line, it may be necessary to dial **9-9-1-1**).
- b. Notify the following NWS and NOAA regional and headquarters personnel.
 - Mike Jacob, (301) 713-1838 Ext. 165, JMichael.Jacob@noaa.gov, NWS Environmental Compliance Officer
 - Olga Kebis, (301) 713-1838 Ext. 173, Olga.Kebis@noaa.gov, NWS Safety Officer
 - Terry Brisbin, (817) 978-7777, Ext. 139, Terry.Brisbin@noaa.gov, NWS Southern Region Environmental/Safety Coordinator
 - Mark George, (303) 497-3064, Mark.George@noaa.gov, NOAA Mountain Regional Environmental Compliance Officer

- c. The RECO shall 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 the following contractors that are available for an emergency response or waste disposal services:

<u>Contractor</u>	<u>Phone Number</u>
Jim's Tank Service	(901) 357-7237
Philips Environmental Services	(800) 567-7455
Safety-Kleen	(901) 357-3600

3. Spill Report

The form in Appendix C should be used to complete a spill report. This form should be sent, preferably by e-mail, to the NOAA representatives listed above.

C. Training

The designated person responsible for spill prevention and an alternate should be trained on the fuel unloading procedure and inspection requirements. Additionally, these persons should be trained in spill countermeasures. The alternate should be designated in case the primary person of off site at the time of a spill.

Training should be conducted once annually.