



April 1998

Region III

Oil Program Activities

Volume 5, Issue 2

FEATURE

SPILL, OVERFILL, AND CORROSION PROTECTION FOR UNDERGROUND STORAGE TANKS

Federal rules require that existing USTs have the following by **December 22, 1998**:

- *Spill Protection*
- *Overfill Protection*
- *Corrosion Protection*

Check with your state regulatory agency to find out if the state has an earlier deadline or additional requirements.

You must choose one of the following actions for an existing UST:

- *Add spill, overfill, and corrosion protection by December 22, 1998*
- *Close the existing UST by December 22, 1998*
- *Replace the closed existing UST with a new UST*

If your existing USTs have not been upgraded or have not been properly closed by the 1998 deadline, you can be cited for violations and fined.

The requirements for underground storage tanks referred to in this article can be found in the Code of Federal Regulations (CFR), Part 280. Sections of the CFR can be ordered from the Superintendent of Documents, Box 371954, Pittsburgh, PA 15250-7954.

DON'T WAIT, DEADLINE IS DECEMBER 22, 1998

API PUBLICATION AVAILABLE

The American Petroleum Institute (API) has available a guide for Overfill Protection for Storage Tanks in Petroleum Facilities.

The publication covers overfill protection for all aboveground storage tanks in petroleum facilities, including refineries, terminals, bulk plants, and pipeline terminals that receive Class I (flammable) liquids from mainline pipelines or marine vessels. It is not intended to include process tanks or tanks used in initial crude oil production activities.

The essential elements of this publication are based on current industry safe operating practices and existing consensus standards. Federal, state, and local regulations or laws may contain additional requirements that must be taken into account when a tank overfill protection program is developed for a specific facility.

The publication can be obtained by contacting the API, 1220 L Street, Northwest, Washington, DC 20005-4070, (202) 682-8375. Order No. K23502.

EARTH DAY - APRIL 22

On April 22, 1970, an estimated 20 million Americans participated in a well publicized environmental demonstration known as Earth Day. Almost thirty years later we continue to observe this day, taking time to recognize the issues and problems which face our environment and our world.

Earth Day began as a nationwide public demonstration, aimed at gathering the attention of politicians and law makers. The results were successful. Through force of collection action, the need for environmental reform was brought to the forefront of political discourse. Several legislative initiatives were undertaken, thus laying the groundwork for the formation of the EPA in December 1970.

Today, conservation and environmental responsibility are considered mainstream rather than a "radical" movement. The scope of Earth Day has now expanded beyond the borders of the United States. Worldwide countries are taking

Karen Melvin, Chief, Removal Enforcement and Oil Section
841 Chestnut Building, Philadelphia, PA 19107
Phone: (215) 566-3275

Paula Curtin, Editor, Spill Enforcement Coordinator
303 Methodist Building, Wheeling, WV 26003
Phone: (304) 234-0256

action to solve such global issues as air pollution, soil contamination, and global warming. There is still a need for awareness, and through the efforts of Earth Day, the message of environmental responsibility can be reinforced.

While the official Earth Day is April 22, take the pledge to make it Earth Day every day. Remember, it's one planet, in our care, irreplaceable.

Information taken from Region 5 Earth Day Web Site.

EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)

Quick facts as of February 3, 1996

Did you know that...?

Last year, Louisiana had more than 6,000 notifications in ERNS. Four other states had more than 1,000 notifications in 1996:

Louisiana	6,004
Texas	3,741
California	3,319
New York	1,178
Pennsylvania	1,085

Note: Numbers are based on initial notifications to the federal government and are subject to change.

MEET EPA REGION III'S NEW SPCC INSPECTOR

Neeraj Sharma (Raj) has joined EPA Region III's Oil Team. Raj will serve as a SPCC Inspector conducting SPCC as well as FRP Inspections. Prior to coming to work for EPA, Raj, an Environmental Engineer was employed by U.R.S. Greiner Consultants installing ASTs, as well as USTs, and fuel systems. Raj has a BS in Civil Engineering and a Masters in Environmental Engineering from the University of Virginia. Raj will be working out of the Regional Office in Philadelphia, and can be reached at (215) 566-3260.

EPA REGION III OFFICE MOVING

The Region III EPA Office will be relocating this summer.

The new address will be 1650 Arch Street, Philadelphia, PA 19103. Phone numbers will change to (215) 814-XXXX (extensions will stay the same).

Note: The new number for the Regional Response Center (24 hour number) will be (215) 814-3255.

UPCOMING EVENTS

ABOVE GROUND STORAGE TANK SYMPOSIUM

The Atlanta Fire Department is presenting an Aboveground Storage Tank (AST) Symposium May 11 through May 15, 1998. The symposium consists of two unique three day course and one five day course.

Course A covers inspection of AST facilities for fire safety. The course involves design, construction, and leak detection of petroleum storage tank facilities. In addition, the course shows how to properly inspect ASTs to protect against fire or catastrophic failure. The course also includes a section on EPA regulations affecting ASTs.

Course B involves fire prevention, protection and suppression of AST fires. The course shows how to mitigate consequences when a tank or petroleum storage facility catches fire or explodes, what equipment is necessary, how to pre-plan for these events, and when to stay and fight and when to evacuate.

The cost of each course is \$600.00 or both courses can be taken for \$900.00. For more information, contact James C. Brundage, AST Symposium Chairman (404)530-6639 or Chief H.D. Jones (404)853-7010. You can also access their Web page at HLTP://WWW/atlanta/org/dept/fire/symp98.

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EPA REGION III CEPP CONTINUES TO OFFER CAMEO FOR WINDOWS COURSES IN 1998

EPA Region III CEPP Coordinator, Al Brown will continue offering courses on CAMEO for Windows in 1998. The core team of trainers consists of Bill Smith, Joe Albert and Ed Gerhard. At present, arrangements are being made through the states for some regional training classes and priority areas are being targeted.

If you are connected to your Local Emergency Planning Committee (LEPC) in Region III, and your group is interested in hosting, attending, or want further information on future classes, contact Al Brown at (215) 566-3302.

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INLAND OIL SPILLS WORKSHOP

The Inland Oil Spills Course is scheduled for April 27 - May 1, 1998 at the USCG Atlantic Strike Team facility, Fort Dix, New Jersey. The Environmental Response Team (ERT) is sponsoring the workshop, which will emphasize the practical and problem-solving skills relating to spill control and cleanup through lectures, problem sessions, and hands-on-exercises. Participants are taught how to use basic cleanup technologies and to identify spill prevention control and countermeasures regulations. For additional information please contact the Environmental Response Team Program's offices in Cincinnati, Ohio, at (513) 569-7537.

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SPCC/FRP INSPECTOR TRAINING

The next SPCC/FRP Inspector Training Course is scheduled for June 1-5, 1998 in Region 5, Chicago, IL.

For further information, contact Barb Carr at (312) 886-0795.

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REGION III RRT MEETING

The next regularly scheduled Region III RRT meeting will be held May 19-21, 1998 in Ocean City, MD.

For further information, contact Linda Marzulli at (215) 566-3256.

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REGIONAL RESPONSE TEAM (RRT)

What is the RRT? In this and future issues, we will explain what the RRT is, and what it's mission is. The RRT within Region III (Delaware, Maryland, Pennsylvania, Virginia, West Virginia and DC), meets quarterly in one of the states of the Region to discuss the oil and hazardous materials issues within the Region.

RRT III is made up of representatives from agencies and each of the states/commonwealths. It is co-chaired by Dennis Carney, Chief of the Removal Branch from the EPA's Regional Office in Philadelphia, PA and Captain Anthony Regalbuto, Chief Marine Safety Division of the USCG Area Fifth District Office (soon to be replaced by Captain Joseph Kuchin).

RRT III is a planning, policy and coordinating body which does not respond directly to the scene of a spill or release. It provides assistance as requested by the On-Scene Coordinator during an incident.

Some of the other Federal Agencies involved in the RRT include FEMA, NOAA, ATSDR, Department of Interior, National Park Service, Corps of Engineers, OSHA, Department of Transportation, GSA and others.

Look for additional information on the RRT's mission and goals in future editions.

PLANNING EFFORTS

SUB AREA PLANNING

The Oil Pollution Act of 1990 (OPA) requires EPA to designate an Area Committee to develop an Area Contingency Plan (ACP) for inland spills of oil and hazardous substances. This "Area" is comprised of all of EPA Region III. The Area has been broken down into several sub-areas across Region III. The pre-designated OSC for each of these sub-areas are as follows:

- Northwest, PA - Vince Zenone (215) 566-3267
- Northcentral, PA - Chris Wagner (215) 566-3261
- Northeast, PA - Dennis Matlock (304) 234-0284
- Southwest, PA/Wheeling, WV - Marjorie Easton (304) 234-0251
- Southcentral, PA - Chris Wagner (215) 566-3261
- Southeast, PA/Delmarva - Kevin Koob (215) 566-3265
- Huntington, WV/Ohio River - Jeff Dodd (304) 234-0254
- Baltimore, MD - Walter Lee (215) 566-3270
- Northern, VA/DC - Steve Jarvela (215) 566-3259
- Northern, VA/WV/MD - To be assigned
- Central, VA - To be assigned
- Southwest, VA/WV - To be assigned
- Southcentral, VA - Kevin Koob (215) 566-3265
- Southeast, VA - Bill Steuteville (215) 566-3264

PREVENTION METHODS

SPILL PREDICTION

A large spill occurred recently in Region III where a tank

valve failed and a large amount of oil was released into containment. The product escaped over low spots along the berm, through a electrical conduit box, through cracks in a cinder block wall, and through the containment floor and under the cinder block wall into a nearby street. Once leaving the diked area, the oil followed the eroded fill around existing pipelines and entered a stream. Firefighters acted quickly to contain the spill before it made it to a large river.

Prediction of flow in the SPCC Plan should not just state "into containment". Facilities must determine where the oil would go once beyond the containment, the rate of flow, and the total quantity which could be discharged from the facility from each major type of failure [40 CFR 112.7(b)]. Containment must be inspected for erosion, potential leaks, and be sufficiently impervious to product stored in the containment.

OIL SPILL PREVENTION DURING LOADING AND UNLOADING

According to 40 CFR 112.7(e)(4)(I), "Tank car and tank truck loading/unloading procedures should meet the minimum requirements and regulations established by the Department of Transportation" found in the Code of Federal Regulations, Parts 49 and 33. Some of the requirements for flammable liquids in 49 CFR 177.834 are listed below:

- * Engine is stopped.
- * Hand brake of vehicle is set.
- * Attendance by a qualified person during the entire operation.
- * Proper bonding and grounding of cargo tanks.
- * No open flame in area.

Waterfront facility transfer system requirements are found in 33 CFR 126.15(o) and include:

- * Vocal, visual, or electronic communication between transfer and receiving vessels.
- * Supervision of cargo system operation.
- * Maintenance of cargo connections to prevent Leakage.
- * Observance of rate of flow to prevent tank overflow or damage to transfer system.
- * Proper maintenance of transfer system components.

There are other requirements for loading/unloading areas found in 40 CFR 112.7(e)(4) such as containment, drain/outlet inspection, and premature vehicle departure

prevention. Other DOT regulations may also apply.

Region III Oil Program Contacts:	
Karen Melvin	(215) 566-3275
<i>-Chief, Removal Enforcement and Oil Section</i>	
Cordy Stephens	(215) 566-3276
<i>-Secretary</i>	
Steve Jarvela	(215) 566-3259
<i>-On-Scene Coordinator</i>	
<i>-Inland Area Committee, Chair</i>	
Linda Ziegler	(215) 566-3277
<i>-Oil Program Coordinator</i>	
<i>-Facility Response Plan (FRP) Coordinator</i>	
<i>-Oil Pollution Act</i>	
<i>-RRT, Area Committees, Port Area Committee</i>	
<i>-Spill Response Countermeasure (Dispersants)</i>	
<i>-Outreach</i>	
Jean Starkey	(215) 566-3292
<i>-SPCC Coordinator</i>	
<i>-OPA Spill Penalty Program</i>	
<i>-SPCC Enforcement</i>	
<i>-Multi-Media Enforcement</i>	
<i>-Outreach</i>	
Paula Curtin	(304) 234-0256
<i>-Oil Enforcement Coordinator</i>	
<i>-OPA Spill Penalty Program</i>	
<i>-Spill Investigations</i>	
<i>-Oil Program Activities Newsletter</i>	
<i>-Outreach</i>	
Neeraj Sharma (Raj)	(215) 566-3260
<i>- SPCC Inspections</i>	
<i>- FRP Inspections</i>	
<i>- Outreach</i>	
Bernie Stepanski	(215) 566-3288
<i>-Spill Investigations</i>	
Frank Cosgrove	(215) 566-3284
<i>-SPCC/FRP Inspections and Plan Review</i>	
<i>-SPCC Enforcement Support</i>	
<i>-Outreach</i>	

MAILING LIST

If you'd like to be added to our mailing list, contact Eilleen Paulmeno at (215) 566-3286.