

Suggested Procedure for Development of a Spill Prevention Control and Countermeasure Plan

API BULLETIN D16
FIFTH EDITION, APRIL 2011



AMERICAN PETROLEUM INSTITUTE

SPECIAL NOTES

API publications necessarily address problems of a general nature. With respect to particular circumstances, local, state, and federal laws and regulations should be reviewed.

Neither API nor any of API's employees, subcontractors, consultants, committees, or other assignees make any warranty or representation, either express or implied, with respect to the accuracy, completeness, or usefulness of the information contained herein, or assume any liability or responsibility for any use, or the results of such use, of any information or process disclosed in this publication. Neither API nor any of API's employees, subcontractors, consultants, or other assignees represent that use of this publication would not infringe upon privately owned rights.

API publications may be used by anyone desiring to do so. Every effort has been made by the Institute to assure the accuracy and reliability of the data contained in them; however, the Institute makes no representation, warranty, or guarantee in connection with this publication and hereby expressly disclaims any liability or responsibility for loss or damage resulting from its use or for the violation of any authorities having jurisdiction with which this publication may conflict.

API publications are published to facilitate the broad availability of proven, sound engineering and operating practices. These publications are not intended to obviate the need for applying sound engineering judgment regarding when and where these publications should be utilized. The formulation and publication of API publications is not intended in any way to inhibit anyone from using any other practices.

All rights reserved. No part of this work may be reproduced, translated, stored in a retrieval system, or transmitted by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission from the publisher. Contact the Publisher, API Publishing Services, 1220 L Street, NW, Washington, DC 20005.

FOREWORD

Nothing contained in any API publication is to be construed as granting any right, by implication or otherwise, for the manufacture, sale, or use of any method, apparatus, or product covered by letters patent. Neither should anything contained in the publication be construed as insuring anyone against liability for infringement of letters patent.

Suggested revisions are invited and should be submitted to the Director of Regulatory and Scientific Affairs, API, 1220 L Street, NW, Washington, DC 20005.

Currently in preview, click

FOREWORD

	Table of Contents	Guide-i
	Introduction.....	Guide-iii
	Purpose of SPCC Rule.....	Guide-2
	Timeline for Compliance.....	Guide-3
	Extensions for Implementing the SPCC Plan.....	Guide-3
	Applicability	Guide-5
Figure 1	General Applicability.....	Guide-5
	Guidance for Selecting Template SPCC Plan Sections	Guide-10
Figure 2	Selecting Template SPCC Plan Sections	Guide-12
	Guidance, Instruction, Clarification Using the Template SPCC Plan	Guide-13
Figure 3	Flowchart of Applicability Criteria for Substantial Harm.....	Guide-19

GUIDANCE

Section 1 General Information

1.1	Management Approval	Guide-14
1.2	Certifications.....	Guide-15
1.2A	Professional Engineer Certification	Guide-15
1.2B	Professional Engineer Certification (with Production Water Attestation)....	Guide-16
1.2C	Tier II Qualified Facility Certification.....	Guide-17
1.2D	Professional Engineer Certification of Portions of a Qualified Facility's Self-Certified Plan	Guide-17
1.2E	Tier II Qualified Facility Technical Amendment.....	Guide-18
1.3	Substantial Harm Certification.....	Guide-18
Figure 3	Flowchart of Applicability Criteria for Substantial Harm.....	Guide-19
1.4	Contact List and Phone Numbers	Guide-20
1.5	Notification Data Sheet.....	Guide-20
1.6	Personnel, Training, and Discharge Procedures.....	Guide-20
1.7	Facility Layout and Diagram	Guide-21
1.8	Prevention, Response and Cleanup.....	Guide-21
1.9	Impracticability.....	Guide-22
1.10	Deviations to Rule	Guide-22
1.11	Conformance with Other Requirements	Guide-23

Section 2 Facility Information

Section 2A Onshore Facilities (Excluding Production)

2A.1	Container and Potential Spills Table	Guide-24
2A.2	Bulk Storage Containers	Guide-26
2A.2.1	Completely Buried Tanks	Guide-26
2A.2.2	Mobile or Portable Containers.....	Guide-26
2A.3	Facility Containment, Drainage and Effluent Treatment.....	Guide-26
2A.3.1	Secondary Containment Systems Table	Guide-26
2A.3.2	Undiked Area Drainage	Guide-26
2A.4	Facility Piping	Guide-27
2A.5	Facility Tank Car & Tank Truck Loading/Unloading Rack(s) and Area(s)	Guide-27
2A.6	Security	Guide-27
2A.7	Inspections, Tests and Records	Guide-28

Section 2B Onshore Oil Production Facilities

2B.1	Container and Potential Spills Table	Guide-29
2B.2	Facility Drainage.....	Guide-29
2B.3	Facility Transfer Operations	Guide-30
2B.4	Facility Tank Car and Tank Truck Loading/Unloading Rack(s) and Area(s)	Guide-30
2B.5	Inspections, Tests and Records	Guide-30

Section 2C – Onshore Oil Drilling and Workover Facilities

2C.1	Facility Tank Car and Tank Truck Loading / Unloading Rack	Guide-31
2C.2	Inspections, Tests and Records	Guide-31

Section 2D – Offshore Oil Drilling, Production, or Workover Facilities

2D.1	Facility Containers.....	Guide-32
2D.2	Inspection, Tests and Records.....	Guide-32

EXHIBITS

A	Oil Pollution Prevention Regulatory References	Exhibit-2
B	Acronyms	Exhibit-15
C	Standards Applicable to the Revised SPCC Rule (Inclusive).....	Exhibit-16
D	Criteria for Contingency Plan Development	Exhibit-22
E	Secondary Containment Analysis	Exhibit-23
F	API Standard 650: Welded Tanks for Oil Storage.....	Exhibit-30
G	API Standard 653: Tank Inspection, Repair, Alteration, and Reconstruction	Exhibit-31

TEMPLATE

Section 1	General Information
Section 2A	Onshore Facilities (Excluding Production)
Section 2B	Onshore Oil Production Facilities
Section 2C	Onshore Oil Drilling and Workover Facilities
Section 2D	Offshore Oil Drilling, Production, or Workover Facilities
Appendix A	Notification
Appendix B	Logs
Appendix C	Facility Diagram
Appendix D	Oil Spill Contingency Plan
Appendix E	Company Tank/Container Integrity Program
Appendix F	Qualified Facilities

INTRODUCTION

The Federal Water Pollution Control Act Amendments of 1972 required the Administrator of the Environmental Protection Agency (EPA), with other federal, state, and interstate agencies, to enter into programs designed to prevent, reduce, or eliminate pollution of the navigable waters of the United States. On December 11, 1973, the EPA published the first Spill Prevention, Control and Countermeasure (SPCC) Plan regulation in *Title 40, Code of Federal Regulations, Part 112 (40 CFR Part 112)*. The purpose of this rulemaking was to establish procedures, methods, and equipment to prevent and contain discharges of oil from non-transportation-related onshore and offshore facilities; thus preventing pollution of navigable waters of the United States. The rule became effective January 10, 1974, and has been revised several times over the past thirty-six years.

In 2002, EPA finalized changes proposed from 1991 to 1997. API and other litigants subsequently filed suit over certain provisions. In March 2004, most of the issues raised in the litigation SPCC-related suits were settled. This revision includes results of the litigation in which API was involved (Exhibit A – Settlement Agreements). On June 19, 2009, EPA published in the *Federal Register* an SPCC compliance date extension for all existing facilities until **November 10, 2010**. Facilities must amend or prepare, and implement SPCC Plans by the compliance date in accordance with revisions to the SPCC rule promulgated since 2002. The latest SPCC amendments and definition of “navigable waters” were promulgated on December 2006 (71 FR 77266, December 26, 2006), December 2008 (73 FR 74236, December 5, 2008), November 2009 (74 FR 58784, November 13, 2009) and November 2008 (73 FR 71941, November 26, 2008), respectively. For more information, on EPA SPCC guidance, visit EPA Website (www.epa.gov/oilspill).

This is the fifth revision of the American Petroleum Institute’s (API’s) Bulletin D-16. Its sole purpose is to assist the petroleum industry in understanding the SPCC regulation and to offer guidance for developing SPCC Plans wherever they are needed. Included is a template for developing SPCC Plans (i.e., onshore excluding production; onshore oil production, oil drilling or workover; or offshore oil drilling, production or workover) in accordance with the regulation and guidance, along with instruction and clarification for completing each section of the template.

The development of this Bulletin was commissioned by API and performed by O’Brien’s Response Management Inc. (planning@obriensrm.com).