

Appendix B.2

**Tesoro Savage Vancouver Energy Distribution Terminal
Vancouver, Washington**

**Spill Prevention Control and Countermeasure Plan (SPCCP)
Preliminary Outline**

29 August 2013

Prepared by:

**BergerABAM
1111 Main Street, Suite 300
Vancouver, Washington 98660**

Job No. A13.0267.00

**TESORO SAVAGE VANCOUVER ENERGY DISTRIBUTION TERMINAL
SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCCP)**

TABLE OF CONTENTS

SECTION	PAGE
1.0 INTRODUCTION AND FACILITY INFORMATION.....	1
1.1 Introduction.....	1
1.2 Name and Address of Facility.....	1
1.3 Type of Facility.....	1
1.4 Location and Background.....	1
2.0 PURPOSE AND SCOPE	1
2.1 Purpose.....	1
2.2 Scope.....	1
2.3 Location of SPCCP	1
2.4 Spill Events Requiring Written Reports.....	1
2.5 SPCCP Review and Amendment Requirements	1
2.6 Plan Conformance.....	2
2.6.1 Conformance with Other Regulations.....	2
3.0 FACILITY LAYOUT AND DESCRIPTION.....	2
3.1 Area 200 – Unloading.....	2
3.2 Area 300 – Storage.....	2
3.3 Area 400 – Marine Terminal.....	2
3.4 Area 500 – Transfer Pipelines.....	2
3.5 Area 600 – West Boiler Building.....	2
4.0 EQUIPMENT FAILURE.....	2
4.1 Area 200 – Unloading.....	2
4.2 Area 300 – Storage.....	2
4.3 Area 400 – Marine Terminal.....	3
4.4 Area 500 – Transfer Pipelines.....	3
4.5 Area 600 – West Boiler Building.....	3
5.0 STRUCTURAL CONTAINMENT SYSTEMS.....	3
5.1 Dikes, Berms, and Walls	3
5.2 Curbing.....	3
5.3 Drainage Systems.....	3
5.4 Weirs, Booms, or Other Barriers	3
5.5 Spill Diversion Ponds.....	3
5.6 Spill Retention Ponds.....	3

5.7	Sorbent Materials and Additional Mobile Containment Systems.....	3
6.0	INSPECTION RECORDS	3
6.1	Aboveground Tank and Piping Inspection.....	3
6.2	Secondary Containment Inspection and Monitoring	3
6.3	Marine Terminal Loading Inspection	3
7.0	PERSONNEL TRAINING AND SPILL PREVENTION PROCEDURES	4
7.1	Personnel Training	4
7.2	Supervision.....	4
7.3	Spill Prevention Briefings	4
8.0	SECURITY	4
9.0	FACILITY UNLOADING RACKS	4
9.1	Unloading Procedures.....	4
9.2	Spill Containment Systems.....	4
9.3	Warning Devices.....	4
9.4	Brittle Fracture	4
10.0	SUPPLEMENTAL REQUIREMENTS FOR ONSHORE FACILITIES	4
10.1	Drainage from Diked Storage Areas	4
10.2	Flapper-Type Drain Valves.....	5
10.3	Drainage from Undiked Areas	5
10.4	Diversion System	5
10.5	Natural Hydraulic Flow	5
11.0	BULK STORAGE TANK AND CONTAINERS	5
11.1	Tank Construction	5
11.2	Secondary Containment	5
11.3	Drainage of Rainwater	5
11.4	Buried Metallic Storage Tanks.....	5
11.5	Partially Buried Metallic Tanks	5
11.6	Aboveground Tanks Testing and Inspection Protocols	5
11.7	Internal Heating Coils	5
11.8	Overfill Prevention	5
11.9	Effluent Discharge.....	5
11.10	Visible Oil Leaks	6
11.11	Mobile and Portable Oil Storage Tanks and Containers.....	6
12.0	FACILITY TRANSFER OPERATIONS	6
12.1	Buried Piping Installations	6
12.2	Idle Pipelines	6
12.3	Pipe Supports.....	6

12.4	Aboveground Pipelines	6
12.5	Vehicular Traffic.....	6
13.0	RCRA HAZARDOUS WASTE CONTINGENCY PLAN	6
13.1	Description of Hazardous Wastes	6
13.2	Description of Hazardous Waste Management Areas	6
13.3	Emergency Coordinator Responsibilities	6
13.4	Emergency Response Procedures	6
13.5	Notification	6
13.6	Containment and Control during Emergencies	7
13.6.1	Spills and Releases	7
13.6.2	Fires and Explosions.....	7
13.7	Prevention of Recurrence	7
13.8	Emergency Equipment	7
13.8.1	Spills and Releases	7
13.8.2	Fires and Explosions.....	7
13.9	Post Emergency Procedures	7
13.9.1	Storage and Treatment	7
13.9.2	Equipment Decontamination and Maintenance	7
13.9.3	Reporting.....	7
13.10	Evacuation Plan.....	7

LIST OF APPENDICES

Appendix A	SPCCP Certification
Appendix B	Plan Amendments
Appendix C	Plan Review Sheet
Appendix D	SPCCP Training Records
Appendix E	Inspection Forms
Appendix F	Documentation and Notifications of Spills
Appendix G	Substantial Harm Criteria Checklist
Appendix H	Distribution List

APPENDIX B.2 SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCCP)

1.0 INTRODUCTION AND FACILITY INFORMATION

1.1 Introduction

This section will provide an introduction and will identify the facility elements subject to regulation under 40 CFR 112.1.

1.2 Name and Address of Facility

This section will identify the name and location of the facility.

1.3 Type of Facility

This section will identify the type of facility addressed by the SPCCP.

1.4 Location and Background

This section will describe the location of the facility and provide a high level overview of the facility elements, and containment measures incorporated in facility design.

2.0 PURPOSE AND SCOPE

2.1 Purpose

This section will describe the purpose of the SPCCP.

2.2 Scope

This section will describe the scope of the SPCCP, and will identify any contractors or response cooperatives that will also provide support services for response activities.

2.3 Location of SPCCP

In accordance with 40 CFR 112.3(e), this section will identify where the SPCCP will be available for on-site review, and where additional copies will be kept.

2.4 Spill Events Requiring Written Reports

In accordance with 40 CFR 112.4, this section will identify the thresholds for reporting spill incidents, when the report(s) have to be submitted and their contents. This section will also identify conditions under which the EPA Regional Administrator can request that the SPCCP be amended, and the process for amendment pursuant to such a request.

2.5 SPCCP Review and Amendment Requirements

In accordance with 40 CFR 112.5, this section will address the conditions that will trigger an amendment of the SPCCP, SPCCP review evaluation every five years, and documentation and certification by a professional engineer of such amendments.

2.6 Plan Conformance

In accordance with 40 CFR 112.7(a)(1), this section will identify how the SPCCP conforms with the requirements of 40 CFR 112, and will discuss interrelationship if this SPCCP with the Facility Response Plan.

2.6.1 Conformance with Other Regulations

In accordance with 40 CFR 112.7 and 112.8, this section will identify how the SPCCP conforms with the requirements of state rules, regulations, and guidelines, if they are more stringent than the federal SPCCP requirements, e.g.:

- Washington Department of Ecology Facility Contingency Plan and Response Contractor Standards (WAC 173-181), which includes notification and spill response requirements;
- The Washington Dangerous Waste (WAC 173-303-145) regulations, which specify requirements for notifications of spills and discharges of hazardous substances. Specifically, spills or discharges of hazardous substances that threaten human health or the environmental must be reported to local and state authorities;
- The U.S. Coast Guard (33 CFR I54.310) and Washington (WAC 173-180(B)) facility Operations Manual requirements.
- The City of Vancouver Water Resources Protection Ordinance (VMC Chapter 14.26).

3.0 FACILITY LAYOUT AND DESCRIPTION

In accordance with 40 CFR 112.7(a)(3), this section will describe the Facility operations, subdivided as follows for the various facility areas:

3.1 Area 200 – Unloading

3.2 Area 300 – Storage

3.3 Area 400 – Marine Terminal

3.4 Area 500 – Transfer Pipelines

3.5 Area 600 – West Boiler Building

4.0 EQUIPMENT FAILURE

In accordance with 40 CFR 112.7(b) this section, and its subsections, will describe potential spill scenarios for each of the Facility Areas, containment measures included in design, response equipment provided, and additional response support available to respond to each spill scenario.

4.1 Area 200 – Unloading

4.2 Area 300 – Storage

4.3 Area 400 – Marine Terminal

4.4 Area 500 – Transfer Pipelines

4.5 Area 600 – West Boiler Building

5.0 STRUCTURAL CONTAINMENT SYSTEMS

In accordance with 40 CFR 112.7(c), this section will address the structural containment systems implemented at the Facility, as applicable.

5.1 Dikes, Berms, and Walls

40 CFR 112.7(c)(1)(i)

5.2 Curbing

40 CFR 112.7(c)(1)(ii)

5.3 Drainage Systems

40 CFR 112.7(c)(1)(iii)

5.4 Weirs, Booms, or Other Barriers

40 CFR 112.7(c)(1)(iv)

5.5 Spill Diversion Ponds

40 CFR 112.7(c)(1)(v)

5.6 Spill Retention Ponds

40 CFR 112.7(c)(1)(vi)

5.7 Sorbent Materials and Additional Mobile Containment Systems

40 CFR 112.7(c)(1)(vii)

6.0 INSPECTION RECORDS

In accordance with 40 CFR 112.7(e), this section will describe the frequency of inspections for evidence of spills, leaks, corrosion, faulty equipment, and dangerous situations, the standards to which the inspections are conducted, and where inspection records are retained. It is anticipated that the following will be addressed in this section:

6.1 Aboveground Tank and Piping Inspection

6.2 Secondary Containment Inspection and Monitoring

6.3 Marine Terminal Loading Inspection

7.0 PERSONNEL TRAINING AND SPILL PREVENTION PROCEDURES

In accordance with 40 CFR 112.7(f), this section will describe spill prevention training, personnel supervision, facility inspections, equipment maintenance, facility security, and specific engineering controls and practices. This section will also identify other documents that address spill prevention and operations procedures.

7.1 Personnel Training

40 CFR 112.7(f)(1)

7.2 Supervision

40 CFR 112.7(f)(2)

7.3 Spill Prevention Briefings

40 CFR 112.7(f)(3)

8.0 SECURITY

In accordance with 40 CFR 112.7(g), this section will describe measures implemented to ensure facility security.

9.0 FACILITY UNLOADING RACKS

In accordance with 40 CFR 112.7(h), this section will describe the facilities related to tanker car unloading, containment measures provided, controls and processes implemented to prevent releases, procedures implemented during the unloading activity, and inspection procedures.

9.1 Unloading Procedures

40 CFR 112.7(h)(1)

9.2 Spill Containment Systems

40 CFR 112.7(h)(1)

9.3 Warning Devices

40 CFR 112.7(h)(2)

9.4 Brittle Fracture

40 CFR 112.7(i)

10.0 SUPPLEMENTAL REQUIREMENTS FOR ONSHORE FACILITIES

In accordance with 40 CFR 112.8, this section will describe how drainage from diked and non-diked areas is restrained to prevent a spill of oil from excessive leaking into the facility drainage system. This section is anticipated to address:

10.1 Drainage from Diked Storage Areas

40 CFR 112.8(b)(1)

10.2 Flapper-Type Drain Valves

40 CFR 112.8(b)(2)

10.3 Drainage from Undiked Areas

40 CFR 112.8(b)(3)

10.4 Diversion System

40 CFR 112.8(b)(4)

10.5 Natural Hydraulic Flow

40 CFR 112.8(b)(5)

11.0 BULK STORAGE TANK AND CONTAINERS

In accordance with 40 CFR 112.8(c), this section will address the design and construction of the bulk storage tanks, inspection procedures, secondary containment, and testing and inspection protocols, as follows:

11.1 Tank Construction

40 CFR 112.8(c)(1)

11.2 Secondary Containment

40 CFR 112.8(c)(2)

11.3 Drainage of Rainwater

40 CFR 112.8(c)(3)

11.4 Buried Metallic Storage Tanks

40 CFR 112.8(c)(4)

11.5 Partially Buried Metallic Tanks

40 CFR 112.8(c)(5)

11.6 Aboveground Tanks Testing and Inspection Protocols

40 CFR 112.8(c)(6)

11.7 Internal Heating Coils

40 CFR 112.8(c)(7)

11.8 Overfill Prevention

40 CFR 112.8(c)(8)

11.9 Effluent Discharge

40 CFR 112.8(c)(9)

11.10 Visible Oil Leaks

40 CFR 112.8(c)(10)

11.11 Mobile and Portable Oil Storage Tanks and Containers

40 CFR 112.8(c)(11)

12.0 FACILITY TRANSFER OPERATIONS

In accordance with 40 CFR 112.8(d), this section will describe transfer operations involving piping and pipelines, including construction methods, protection from corrosion, and examination methods. This section will address:

12.1 Buried Piping Installations

40 CFR 112.8(d)(1)

12.2 Idle Pipelines

40 CFR 112.8(d)(2)

12.3 Pipe Supports

40 CFR 112.8(d)(3)

12.4 Aboveground Pipelines

40 CFR 112.8(d)(4)

12.5 Vehicular Traffic

40 CFR 112.8(d)(5)

13.0 RCRA HAZARDOUS WASTE CONTINGENCY PLAN

This section will describe hazardous wastes that could be generated at the facility, how and where they are managed, emergency coordination responsibilities and procedures, notification requirements in the event of a release and containment and control during emergencies, recurrence prevention measures, and post emergency procedures. This section is anticipated to contain the following subsections:

13.1 Description of Hazardous Wastes

13.2 Description of Hazardous Waste Management Areas

13.3 Emergency Coordinator Responsibilities

13.4 Emergency Response Procedures

13.5 Notification

13.6 Containment and Control during Emergencies

13.6.1 Spills and Releases

13.6.2 Fires and Explosions

13.7 Prevention of Recurrence

13.8 Emergency Equipment

13.8.1 Spills and Releases

13.8.2 Fires and Explosions

13.9 Post Emergency Procedures

13.9.1 Storage and Treatment

13.9.2 Equipment Decontamination and Maintenance

13.9.3 Reporting

13.10 Evacuation Plan

The SPCCP is expected to contain the following appendices.

Appendix A SPCCP CERTIFICATION

Management approval that necessary resources to implement the SPCCP are available, identification of the Designated Responsible Person, and a certification by a Registered Professional Engineer that the SPCCP has been prepared in accordance with good engineering practices.

Appendix B PLAN AMENDMENTS

A log of the dates and summary of SPCCP amendments that have occurred.

Appendix C PLAN REVIEW SHEET

A sample SPCCP review sheet that addresses the SPCCP review process to occur every five years, and certification that the SPCCP review has occurred and whether any changes have been made to the SPCCP.

Appendix D SPCCP TRAINING RECORDS

A compilation of SPCCP training records.

Appendix E INSPECTION FORMS

A compilation of forms used to document inspections conducted under the SPCCP.

Appendix F DOCUMENTATION AND NOTIFICATIONS OF SPILLS

The sequence to report spills to facility personnel and management, and to the applicable local, state and federal agencies, adjacent property owners, hospitals, and spill response contractors.

Appendix G SUBSTANTIAL HARM CRITERIA CHECKLIST

EPA checklist from 40 CFR Part 112 that indicates if an oil spill from a facility could presents a substantial harm. If yes, then a facility oil spill contingency plan is required.

Appendix H DISTRIBUTION LIST

The distribution list of controlled copies of the SPCCP.